ACOS 5.2.1-P2
aXAPIv3 Reference Document

for A10 Thunder® Series

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CHAPTER

ONE

OVERVIEW:

1.1 Start Here

The aXAPI version 3.0 offers an HTTP interface that can be used to configure and monitor your ACOS device. The end-user can use the following HTTP methods to operate the AXAPI:

1. POST
2. GET
3. PUT
4. DELETE

Details about the usage of the above HTTP methods are covered in the *Operations* section.

In general, the API user will perform the following sequence of steps:

1. Log in: Request an authorization signature. See *Logging On* for details.
2. Use HTTP methods (POST, GET, etc), along with the authorization signature retrieved in Step 1, to configure or monitor the ACOS device. See *Making an API call* for details.
3. Log off: Inform the API that authorization is no longer needed for the signature retrieved in Step 1. See *Logging Off* for details.

Note: aXAPIv3 operates over HTTPS

1.1.1 Logging On

This step is required to retrieve an authorization signature to be used to authenticate API calls. This is achieved by sending a POST request to the URI `/axapi/v3/auth` using using the credentials for the ACOS device, by inserting the following JSON payload:

```
curl -k https://10.100.5.71/axapi/v3/auth \
-H "Content-Type:application/json" \
-d '{
    "credentials": {
        "username": "admin",
        "password": "a10"
    }
}'
```

This example uses the default username ("admin") and default password ("a10") for the ACOS device.

If the credentials are valid, the API will return a JSON response like the one below:

```
{
  "authresponse" : {
  "signature":"ea697a2bc0eb6ec9a1ec7723a3c9b0",
  "description":"the signature should be set in Authorization header for following␣
↪request."
   }
}
```

The value of the signature attribute (ea697a2bc0eb6ec9a1ec7723a3c9b0, in this example) should be used for future aXAPI operations within an HTTP Authorization header, which will be discussed later.

1.1.2 Making an API call

As mentioned earlier, the end-user interacts with the aXAPI using the HTTP methods listed in the *Operations* section. The end-user is required to use an HTTP Header named `Authorization` with a value equal to `A10 <signature>`, where signature is the authorization signature obtained during the *Logging On* stage.

Each object is identified by a URI.

For instance, in order to create an SLB virtual server, we would make the following POST request on the object's URI `/axapi/v3/slb/virtual-server`:

```
curl -k POST https://10.100.5.71/axapi/v3/slb/virtual-server \
-H "Content-Type:application/json" \
-H "Authorization: A10 ea697a2bc0eb6ec9a1ec7723a3c9b0" \
-d '{
        "virtual-server": {
                "name": "a",
                "ip-address": "4.4.4.4",
                "enable-disable-action": "enable",
                "redistribution-flagged": 0,
                "arp-disable": 0,
                "policy": 0,
                "virtual-server": 0,
                "logging": 0,
                "stats-data-action": "stats-data-enable",
                "extended-stats": 0,
                "port-list": [
                        {
                                "port-number": 0,
                                "protocol": "tcp",
                                "range": 0,
                                "conn-limit": 8000000,
                                "reset": 0,
                                "no-logging": 0,
                                "use-alternate-port": 0,
                                "action": "enable",
                                "def-selection-if-pref-failed": "def-selection-if-
↪pref-failed",
                                "ha-conn-mirror": 0,
                                "skip-rev-hash": 0,
                                "message-switching": 0,
                                "force-routing-mode": 0,
```

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```
                                "reset-on-server-selection-fail": 0,
                                "clientip-sticky-nat": 0,
                                "extended-stats": 0,
                                "snat-on-vip": 0,
                                "stats-data-action": "stats-data-enable",
                                "syn-cookie": 0,
                                "no-auto-up-on-aflex": 0,
                                "no-dest-nat": 0,
                                "enable-scaleout": 0,
                                "auto": 0,
                                "ipinip": 0,
                                "use-rcv-hop-for-resp": 0,
                                "template-tcp": "default",
                                "template-virtual-port": "default",
                                "use-default-if-no-server": 0,
                                "a10-url": "https://100.31.1.101/axapi/v3/slb/virtual-
↪server/a/port/0+tcp"
                        }
                ]
        }
}'
```

1.1.3 Logging Off

This step is required to indicate to the ACOS device that all aXAPI operations have been completed for the current authorized session. This is achieved by sending a POST request to the URI `/axapi/v3/logoff` along with the authorization header and content-type header discussed in the *Making an API call* section.

1.1.4 Contents

How to Use this Reference

This reference contains an entry for each ACOS object that can be accessed via the aXAPIv3. Each entry has the following sections:

Specification Table Provides basic information about the object, such as what type of object it is.

Operations Allowed Lists the operations that can be performed on instances of this object, along with the HTTP method and URI template required to perform each operation.

Children Provides information about children objects of this object.

Stats Data Lists the statistics available for this object.

Operational Data Lists the statistics available for this object.

Attributes Lists all attributes that can be retrieved or configured via the object's allowed operations.

Specification Table

The specification table provides the following information about the resource:

URI The URI template that can be used to access a representation of instances of this object. The template format is the same as that defined in RFC 6570.

Type Indicates what type of resource it is. For further information about resource types, see *Resources*.

Object Key(s) The object key is the unique identifier for each instance of this object. It is typically either the name or ID of the object. It is used to identify the resource in the JSON schema. You cannot change the value associated with a resource's object key. You must instead create a new resource with a different value for the object key.

Resource Name This is the name of the object, not the instance of that object. It is used to identify the object in the ACOS device's schema, in URI calls, and throughout the reference entry for this object.

List of Resources If the object is a *list* type object (see *Resources* for details), this is the resource name that will be used to access the list of all configured instances of this object.

Schema You can click this link to see the JSON schema for this object. The schema includes all information about the object. The following key:value pairs are of particular importance:

- id - contains the URI template of the object
- properties - contains all of the accessible attributes of the object. These are also listed on the reference page for the object. Each property contains type and/or format of the property, its minimum and maximum values or length, a description and whether it is optional or required.
- object-keys - contains the object key, as described above
- required - lists all properties of this object which are required when configuring the object via the aXAPI.

Operations Allowed

The operations table lists all supported operations for instances of this object. For each operation, it lists the HTTP method and URI template that are used to execute the operation.

The payload makes it clear whether the JSON payload contains the list of this type of object or the attributes of an individual instance of the object.

For information about aXAPIv3 operations, see *Operations*.

Children

This table lists the children of the current resource. It also lists the type and endpoint URI of each child object. Click on the object's name to see its reference entry.

Stats Data

This table lists all counters available for the object. Each row displays the name of the object in the JSON schema. The table also displays the size of the counter and a brief description of what it represents.

There may be additional statistics tables, depending on how many different categories of statistics are allowed for this resource.

Operational Data

This table lists any operational data attributes by name, and describes what they represent. Many objects will contain the "state" attribute, which specifies whether the object is Up or Down.

Some resources may contain session information or current mappings, such as a dynamically assigned IP or MAC address.

Attributes

This section describes each of the objects accessible attributes. In the JSON payload, the name of the attribute will be the key, and the value will either be the value you specify (POST or PUT methods) or the value currently configured on this object on the ACOS device (GET method)

Each listing will provide information about the attribute:

Description Describes the ACOS configuration feature that this attribute represents.

Supported Values Lists the supported values for boolean attributes.

Range Specifies the range of accepted integers for number attributes.

Default Describes the default configuration this attribute that will remain in effect unless it is directly configured.

Dependency Specifies whether there are any other parameters that are required before this parameter can be configured.

Mutual Exclusion Indicates other attributes that cannot be configured if this attribute is configured.

Mandatory Indicates whether or not this attribute is mandatory to configuring the object on the ACOS device.

Reference Object Includes a link to an object that must be configured before this parameter can be applied or included.

Type States what type of value the attribute requires. The following table shows the supported field types.

Type	Description
dummy	Used for fields that have no configuration significance but act as a place-holder (or intermediate node).
encrypted	Goes hand in hand with the password type. A password field must come before an encrypted-type field. You cannot configure this field, this is only to get the encrypted value of the password.
enum	Used as a variation of string. The accepted value can only be one of the values listed for that field. If three values are listed (such as Full, Half, auto) only one can be used: `"duplexity":"Full"`
enum-list	Used like enum, but an enum-list can accept multiple enumerated values, separated by a comma. If three values are listed (such as axapi, cli, web) all can be used simultaneously: `"access-type":"axapi,cli,web"`
flag	Accepts a boolean. By default, the value of 0 is assumed for the flag. To enable the attribute or property, you need to specify the the keyword along with the value of 0 or 1: `"use-if-ip":1` or `"use-if-ip":true`
interface	Accepts interfaces referring to the physical ports. It automatically builds the range of ports allowed: `"ethernet-start":1, "ethernet-end":3`
ipv4-address	Accepts the ipv4 address. The format is A.B.C.D: `"ip-address":"10.1.1.1"`
ipv4-cidr	Accepts both the IP address and the prefix length in the same field: `"ipv4addr":"10.1.1.0/24"`
ipv4-netmask	Accepts the network mask for the ipv4 network. The format is A.B.C.D or /nn: `"ipv4-netmask":"255.255.255.0"`
ipv4-netmask-brief	Same as ipv4-netmask
ipv4-rev-netmask	Same as ipv4-netmask except that it accepts the reverse mask: `0.0.0.255`
ipv6-address	Accepts the ipv6 address. The format is A:B:C:D:E:F:G:H: `"ipv6-address":"2334:1234:1234::1"`
ipv6-address-plen	Accepts the ipv6 address along with the prefix length: `"address":"2334:1234:1234::1/64"`
line	Treated just like a string in aXAPI: `"description":"This is a line long description"`
mac-address	Accepts the mac address. The format is aabb.ccdd.eeff: `"mac-addr":"2323.2323.3434"`
nasp-string	Accepts the Network Service Access Point address or Network Entity Title. The format is XX.XXXX. . . . .XXXX.XX.
number	Accepts a basic number: `"mtu":1500`
password	Accepts variety of characters that can be used in a password. The password field should always be followed by another field of type encrypted, so as not to store or display the values entered: `"passphrase":"asdbasfsdf"`
string	Accepts a sequence of characters: `"name":"acl1"`
string-rlx	Used as a variation of string type. The difference is that it accepts extra characters such as spaces, which are not allowed in basic string type: `"name":"abc def"`

Resources

The following types of resources can be accessed and configured using aXAPIv3.

Elements

An element is a specific instance of a configurable object on the ACOS device. You can typically configure more than one of each type of element on the ACOS device. All elements exist within collections.

Example

A configured virtual port on the ACOS device is an element.

URI: /axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

The following example shows retrieving a configured virtual port **80+tcp** on the SLB virtual server named **vs1**:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port/80+tcp \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

If the request succeeds, the following response will be received:

```
{
        "port": {
                "port-number": 80,
                "protocol": "tcp",
                "range": 0,
                "conn-limit": 8000000,
                "reset": 0,
                "no-logging": 0,
                "use-alternate-port": 0,
                "action": "enable",
                "def-selection-if-pref-failed": "def-selection-if-pref-failed",
                "ha-conn-mirror": 0,
                "skip-rev-hash": 0,
                "message-switching": 0,
                "force-routing-mode": 0,
                "reset-on-server-selection-fail": 0,
                "clientip-sticky-nat": 0,
                "extended-stats": 0,
                "snat-on-vip": 0,
                "stats-data-action": "stats-data-enable",
                "syn-cookie": 0,
                "no-auto-up-on-aflex": 0,
                "scaleout-bucket-count": 32,
                "auto": 0,
                "ipinip": 0,
                "rtp-sip-call-id-match": 0,
                "use-rcv-hop-for-resp": 0,
                "template-tcp": "default",
                "template-virtual-port": "default",
                "use-default-if-no-server": 0,
                "no-dest-nat": 0,
                "uuid": "fbb05d0a-4f10-11e5-ade5-79d397dc1ac7",
```

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```
                "sampling-enable": [{
                        "counters1": "curr_conn"
                }, {
                        "counters1": "slowest_rsp_time"
                }, {
                        "counters1": "total_dns_pkts"
                }, {
                        "counters1": "total_ssl_conn"
                }]
        }
}
```

Collections

A collection is a set of a particular type of element. Whenever a new element of that type is created, it is added to the collection.

You can configure individual elements separately, or you can create or modify multiple elements at once by creating or replacing the collection in which they are contained.

New elements are created through the collection resource URI.

Example

The list of all virtual ports on a particular virtual server.

URI: /axapi/v3/slb/virtual-server/{name}/port/

The following example shows retrieving a list of configured virtual ports on the virtual server named **vs1**:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

If the request succeeds, the following response will be received:

```
{
        "port-list": [{
                "port-number": 80,
                "protocol": "tcp",
                "range": 0,
                "conn-limit": 8000000,
                "reset": 0,
                "no-logging": 0,
                "use-alternate-port": 0,
                "action": "enable",
                "def-selection-if-pref-failed": "def-selection-if-pref-failed",
                "ha-conn-mirror": 0,
                "skip-rev-hash": 0,
                "message-switching": 0,
                "force-routing-mode": 0,
                "reset-on-server-selection-fail": 0,
                "clientip-sticky-nat": 0,
                "extended-stats": 0,
                "snat-on-vip": 0,
```

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```
                "stats-data-action": "stats-data-enable",
                "syn-cookie": 0,
                "no-auto-up-on-aflex": 0,
                "scaleout-bucket-count": 32,
                "auto": 0,
                "ipinip": 0,
                "rtp-sip-call-id-match": 0,
                "use-rcv-hop-for-resp": 0,
                "template-tcp": "default",
                "template-virtual-port": "default",
                "use-default-if-no-server": 0,
                "no-dest-nat": 0,
                "uuid": "fbb05d0a-4f10-11e5-ade5-79d397dc1ac7",
                "sampling-enable": [{
                        "counters1": "curr_conn"
                }, {
                        "counters1": "slowest_rsp_time"
                }, {
                        "counters1": "total_dns_pkts"
                }, {
                        "counters1": "total_ssl_conn"
                }],
                "a10-url": "/axapi/v3/slb/virtual-server/vs1/port/80+tcp"
        }]
}
```

Intermediate Resources

An intermediate resource contains representations of all elements and collections contained within it, but does not have any configurable parameters of its own.

Example

The SLB resource, which would include all SLB configurations on the ACOS device, including its real and virtual ports and servers.

URI: /axapi/v3/slb/

The following example shows the global SLB settings:

```
curl -k GET https://10.10.10.10/axapi/v3/slb \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

See *View Entire SLB Configuration* for response.

Configuration Resources

A configuration object is used to configure settings of a particular feature on the ACOS device. Unlike elements, which exist in collections, there is only one of each type of configuration object. If you do not explicitly configure parameters for a configuration object, then the default values for those parameters will apply.

Example

The global SLB settings, which include time-outs and resource usage.

URI: /axapi/v3/slb/common/

The following example shows the global slb settings:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/common \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

If the request succeeds, the following response will be received:


```
{
        "common": {
                "extended-stats": 0,
                "stats-data-disable": 0,
                "graceful-shutdown-enable": 0,
                "rate-limit-logging": 0,
                "dsr-health-check-enable": 0,
                "reset-stale-session": 0,
                "dns-cache-enable": 0,
                "dns-cache-age": 300,
                "dns-cache-entry-size": 256,
                "dns-vip-stateless": 0,
                "buff-thresh": 0,
                "max-buff-queued-per-conn": 1000,
                "gateway-health-check": 0,
                "msl-time": 2,
                "fast-path-disable": 0,
                "l2l3-trunk-lb-disable": 0,
                "snat-gwy-for-l3": 0,
                "disable-server-auto-reselect": 0,
                "enable-l7-req-acct": 0,
                "disable-adaptive-resource-check": 0,
                "snat-on-vip": 0,
                "mss-table": 536,
                "no-auto-up-on-aflex": 0,
                "hw-compression": 0,
                "max-http-header-count": 90,
                "scale-out": 1,
                "sort-res": 0,
                "use-mss-tab": 0,
                "drop-icmp-to-vip-when-vip-down": 0,
                "uuid": "8efc8170-5dc0-11e5-9e23-c3d12b0485c7"
        }
}
```

Statistics Data Resources

A statistics data resource can be used to retrieve statistics of a particular element or collection. Not all elements and collections will have statistics data.

Example

The statistics data for a particular virtual port will return statistics about traffic on that port.

URI: /axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats

The following example shows retrieving statistics for a configured virtual port **80+tcp** on the SLB virtual server named **vs1**:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port/80+tcp/stats \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

If the request succeeds, the following response will be received:

```
        {
        "port": {
                "stats": {
                        "curr_conn": 0,
                        "total_l4_conn": 0,
                        "total_l7_conn": 0,
                        "total_tcp_conn": 0,
                        "total_conn": 0,
                        "total_fwd_bytes": 0,
                        "total_fwd_pkts": 0,
                        "total_rev_bytes": 0,
                        "total_rev_pkts": 0,
                        "total_dns_pkts": 0,
                        "total_mf_dns_pkts": 0,
                        "es_total_failure_actions": 0,
                        "compression_bytes_before": 0,
                        "compression_bytes_after": 0,
                        "compression_hit": 0,
                        "compression_miss": 0,
                        "compression_miss_no_client": 0,
                        "compression_miss_template_exclusion": 0,
                        "curr_req": 0,
                        "total_req": 0,
                        "total_req_succ": 0,
                        "peak_conn": 0,
                        "curr_conn_rate": 0,
                        "last_rsp_time": 0,
                        "fastest_rsp_time": 0,
                        "slowest_rsp_time": 0,
                        "loc_permit": 0,
                        "loc_deny": 0,
                        "loc_conn": 0,
                        "curr_ssl_conn": 0,
                        "total_ssl_conn": 0
                },
                "a10-url": "/axapi/v3/slb/virtual-server/vs1/port/80+tcp/stats",
                "port-number": 80,
```

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```
                "protocol": "tcp"
        }
}
```

Operational Data Resources

An operational data resource can be used to retrieve information about the operational status of a particular element or collection. Not all elements and collections have an operational status. Some elements will have an up/down status that cannot be altered. However, other statuses might include dynamic sessions which can be reset.

Example

The operational data resource for a virtual port will return information about whether the port is up or down.

URI: /axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/oper

The following example shows retrieving operational data for a configured virtual port **80+tcp** on the SLB virtual server named **vs1**:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port/80+tcp/oper \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

If the request succeeds, the following response will be received:

```
{
        "port": {
                "oper": {
                        "state": "Down",
                        "loc_list": "",
                        "geo_location": "",
                        "level_str": "",
                        "group_id": 0,
                        "loc_max_depth": 0,
                        "loc_success": 0,
                        "loc_error": 0,
                        "loc_override": 0,
                        "loc_last": ""
                },
                "a10-url": "/axapi/v3/slb/virtual-server/vs1/port/80+tcp/oper",
                "port-number": 80,
                "protocol": "tcp"
        }
}
```

Baseline Data Resources

Not all elements and collections will have baseline data resources. A baseline data resource can be used to retrieve the minimum, maximum, and average value for each enabled counter over the last 30 seconds. Counters will vary per object, and can be used to help troubleshoot or improve performance. To view baseline information, first use the `sampling-enable` property for the object of interest and choose from the available counters. Note that only the counters used in the `sampling-enable` property are listed in the GET response.

Example

After using the `sampling-enable` property to select counters such as current connections, total DNS packets, total SSL connections, and slowest response time, then the baseline data resource can be used to retrieve the data.

URI: /axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/baseline

The following example shows how to update the existing SLB virtual server named **vs1** to use the `sampling-enable` parameter on port 80 tcp:

```
curl -k PUT https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
-d '{
        "port": {
                "port-number": 80,
                "protocol": "tcp",
                "sampling-enable": [{
                        "counters1": "curr_conn"
                }, {
                        "counters1": "slowest_rsp_time"
                }, {
                        "counters1": "total_dns_pkts"
                }, {
                        "counters1": "total_ssl_conn"
                }]
        }
}'
```

The following example shows retrieving the baseline data for the enabled counters:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port/80+tcp/baseline \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

If the request succeeds, the following response will be received:

```
{
        "port": {
                "baseline": [{
                        "counter_name": "curr_conn",
                        "min": 0,
                        "max": 0,
                        "avg": 0
                }, {
                        "counter_name": "total_dns_pkts",
                        "min": 0,
                        "max": 0,
```

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```
                        "avg": 0
                }, {
                        "counter_name": "slowest_rsp_time",
                        "min": 0,
                        "max": 0,
                        "avg": 0
                }, {
                        "counter_name": "total_ssl_conn",
                        "min": 0,
                        "max": 0,
                        "avg": 0
                }],
                "a10-url": "/axapi/v3/slb/virtual-server/vs1/port/80+tcp/baseline",
                "port-number": 80,
                "protocol": "tcp"
        }
}
```

Rate Data Resources

Not all elements and collections will have rate data resources. A rate data resource can be used to retrieve the average value of each counter over the following intervals:

- last second
- last 5 seconds
- last 10 seconds
- last 30 seconds

Counters will vary per object, and can be used to help troubleshoot or improve performance. To view rate information, first use the `sampling-enable` property for the object of interest and choose from the available counters. Note that only the counters used in the `sampling-enable` property are listed in the GET response.

Example

After using the `sampling-enable` property to select counters such as current connections, total DNS packets, total SSL connections, and slowest response time, then the rate data resource can be used to retrieve the data. See *Baseline Data Resources* for the sampling-enable example.

URI: /axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/rate

The following example shows retrieving the rate data for the enabled counters:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port/80+tcp/rate \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

If the request succeeds, the following response will be received:

```
{
        "port": {
                "rate": [{
                        "counter_name": "curr_conn",
```

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```
                        "1sec_rate": 0,
                        "5sec_rate": 0,
                        "10sec_rate": 0,
                        "30sec_rate": 0
                }, {
                        "counter_name": "total_dns_pkts",
                        "1sec_rate": 0,
                        "5sec_rate": 0,
                        "10sec_rate": 0,
                        "30sec_rate": 0
                }, {
                        "counter_name": "slowest_rsp_time",
                        "1sec_rate": 0,
                        "5sec_rate": 0,
                        "10sec_rate": 0,
                        "30sec_rate": 0
                }, {
                        "counter_name": "total_ssl_conn",
                        "1sec_rate": 0,
                        "5sec_rate": 0,
                        "10sec_rate": 0,
                        "30sec_rate": 0
                }],
                "a10-url": "/axapi/v3/slb/virtual-server/vs1/port/80+tcp/rate",
                "port-number": 80,
                "protocol": "tcp"
        }
}
```

UUID

Every object gets an auto-generated unique identifier assigned when it is created. Once you save the running configuration, the UUID remains the same regardless if the ACOS device is reloaded or fails over in VCS mode.

Example

When you configure a real server, the server gets a UUID. When you configure a virtual port on a virtual server, that element gets a UUID. When you add a service group, that collection gets a UUID. The UUID can be used as an endpoint to retrieve information about an object, to update an object, or to delete an object.

URI: /axapi/v3/uuid/{id}

The following example shows using the UUID of **fbb05d0a-4f10-11e5-ade5-79d397dc1ac7** to retrieve a configured virtual port 80 tcp on the SLB virtual server named vs1:

```
curl -k GET https://10.10.10.10/axapi/v3/uuid/fbb05d0a-4f10-11e5-ade5-79d397dc1ac7 \
-H "Content-Type:application/json" \
-H "Authorization: A10 ae894d193ab92f8e1f9243296efe39"
```

If the request succeeds, the following response will be received:

```
{
        "port": {
                "port-number": 80,
```

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```
                "protocol": "tcp",
                "range": 0,
                "conn-limit": 8000000,
                "reset": 0,
                "no-logging": 0,
                "use-alternate-port": 0,
                "action": "enable",
                "def-selection-if-pref-failed": "def-selection-if-pref-failed",
                "ha-conn-mirror": 0,
                "skip-rev-hash": 0,
                "message-switching": 0,
                "force-routing-mode": 0,
                "reset-on-server-selection-fail": 0,
                "clientip-sticky-nat": 0,
                "extended-stats": 0,
                "snat-on-vip": 0,
                "stats-data-action": "stats-data-enable",
                "syn-cookie": 0,
                "no-auto-up-on-aflex": 0,
                "scaleout-bucket-count": 32,
                "auto": 0,
                "ipinip": 0,
                "rtp-sip-call-id-match": 0,
                "use-rcv-hop-for-resp": 0,
                "template-tcp": "default",
                "template-virtual-port": "default",
                "use-default-if-no-server": 0,
                "no-dest-nat": 0,
                "uuid": "fbb05d0a-4f10-11e5-ade5-79d397dc1ac7",
                "sampling-enable": [{
                        "counters1": "curr_conn"
                }, {
                        "counters1": "slowest_rsp_time"
                }, {
                        "counters1": "total_dns_pkts"
                }, {
                        "counters1": "total_ssl_conn"
                }]
        }
}
```


Operations

The available operations vary depending on the type of object involved. See the sections below for details about the available options for each type of resource, and the HTTP method that is used to complete each operation.

Elements

The table below lists the supported operations for element resources.

Table 1.1: Supported Operations for aXAPIv3 Elements

Operation	HTTP Method	Description
Get Object	GET	Returns the JSON data of a configured element.
Modify Object	POST	Modifies an element that has already been created. Note that this usage of the HTTP POST method is idempotent, as all elements have a unique name or identifier in the form of their Object Key.
Replace Object	PUT	Replaces a configured element's configuration with a new configuration. This operation is idempotent. However, unlike Modify Object, it is not additive. This means that if a particular parameter was previously configured, but you do not specify a value for it while performing a Replace Object operation, that parameter will be reset to its default value.
Delete Object	DELETE	Removes the element from its collection and from the ACOS device.

Collections

The table below lists the supported operations for collection resources.

Operation	HTTP Method	Description
Get List	GET	Returns a JSON representation of all elements inside a collection, and their parameters and child elements.
Create List	POST	This method allows you to either create new elements or modify existing elements in this collection.
Replace List	PUT	Similar to Replace Object, this operation replaces all values inside the collection. This means that any element not in the Replace List operation's JSON data will be removed from the collection and the ACOS device.
Delete List	DELETE	Deletes all elements within the collection, removing them from the ACOS device's configuration. Note that the collection itself cannot be deleted - it will continue to exist as an empty list.

Intermediate Resources

The table below lists the supported operations for intermediate resources.

Operation	HTTP Method	Description
Get Object	GET	Returns configuration information for the elements and collections contained in the module.

Note: You cannot modify an intermediate resource, or use it to configure any elements or collections contained within it.

Configuration Resources

The table below lists the supported operations for configuration resources.

Operation	HTTP Method	Description
Get Object	GET	Returns a representation of the current configuration of this resource.
Modify Object	POST	Specify values other than the default settings for this configuration object. You can only configure one of each configuration object. This use of the POST method is idempotent.
Replace Object	PUT	Replaces the settings object's attributes completely. This means that if a particular parameter was previously configured, and is not in the Replace Object's parameters, that parameter's values will be set to the default.
Delete Object	DELETE	Deletes the configuration resource, returning all attributes to their default values.

Statistics Data Resources

The table below lists the supported operations for statistics data resources.

Operation	HTTP Method	Description
Get Object	GET	Returns statistics counters and their current values for the element or collection resource specified in the URI.
Modify Object	POST	Reset specific counters to zero for the element or collection resource.
Delete Object	DELETE	Clear all counters for the element or collection resource.

Note: You cannot modify statistics data resources. You can only get or reset the values of the counters.

Operational Data Resources

The table below lists the supported operations for operational data resources.

Operation	HTTP Method	Description
Get Object	GET	Return information about the operational status of the element, such as Up or Down, or any current sessions or dynamically assigned attributes.
Delete Object	DELETE	Reset the operational status of a resource that contains sessions or dynamically assigned attributes, such as IP or MAC addresses.

Note: You cannot always modify an operational data resource directly. In those cases, you would modify the element's status through the element's own URI. (For example, a virtual port can be enabled or disabled via its own URI, but its operational data resource only indicates whether it is Up or Down.)

Baseline Data Resources

The table below lists the supported operations for baseline data resources.

Operation	HTTP Method	Description
Get Object	GET	Returns baseline counters and their current values for the element or collection resource specified in the URI.

Note: You cannot modify baseline data resources.

Rate Data Resources

The table below lists the supported operations for rate data resources.

Operation	HTTP Method	Description
Get Object	GET	Returns rate counters and their current values for the element or collection resource specified in the URI.

Note: You cannot modify rate data resources.

Example API Configuration

The following example shows a possible configuration of an HTTP Virtual Server using the aXAPI. The workflow consists of the following steps:

- Configure Real Servers - configure a real server and its ports.
- Configure Service Group - add real servers to a service group.
- Configure Virtual Server - create a virtual server, and its virtual ports, binding the service group to the virtual port.
- View Your Configuration - confirm the SLB configuration is correct.
- Edit Your Configuration - use the UUID to make configuration changes.

Note: For this example, the ACOS device will have an IP address of 10.10.10.10. To configure a virtual server on your own ACOS device, you must change the IP address in the following example cURL calls to the IP address or hostname configured on your ACOS device.

Configure Real Servers

Use the Create Object operation to create a new real server. To do so, perform an HTTP request using the POST method to https://10.10.10.10/axapi/v3/slb/server/ and include any parameters for SLB real servers that you want in your configuration. This example is fairly simple, so the server will only be configured with a name and IP address.

To configure a real server, make the following HTTP request, defining the server's name and host IP address:

```
curl -k POST https://10.10.10.10/axapi/v3/slb/server \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "server-list": [
        {
         "name":"server1",
          "host":"10.10.10.11"
        }
  ]
}'
```

The HTTP response to the above request will contain the following payload:

```
{
  "server": {
        "name":"server1",
        "host":"10.10.10.11",
        "action":"enable",
        "template-server":"default",
        "health-check-disable":0,
        "conn-limit":8000000,
        "no-logging":0,
        "weight":1,
        "slow-start":0,
        "spoofing-cache":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
```

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```
        "uuid":"a9e3bba4-c9e4-11e4-b4dd-fa163eeb9631"
  }
}
```

Take note of the UUID if you want to use it for subsequent calls regarding server1. See *Edit the Configuration* for further details.

Add a Port to the Server

Next, create the ports on the server. To do so, make a POST request to the following /axapi/v3/slb/server/server1/port/. Note that you could also create the ports at the same time as the server, by including a port-list object in the payload of the POST request in the previous step.

To create a port on server1, use the following HTTP request, which defines the port number and protocol for the server port:

```
curl -k POST https://10.10.10.10/axapi/v3/slb/server/server1/port/ \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "port-list": [
        {
          "port-number":80,
          "protocol":"tcp"
        }
  ]
}'
```

The body of the response will look like this:

```
{
  "port": {
        "port-number":80,
        "protocol":"tcp",
        "range":0,
        "template-port":"default",
        "action":"enable",
        "no-ssl":0,
        "health-check-disable":0,
        "weight":1,
        "conn-limit":8000000,
        "no-logging":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "uuid":"c12d9618-c9e4-11e4-b4dd-fa163eeb9631"
  }
}
```

Take note of the UUID if you want to use it for subsequent calls regarding the port. See *Edit the Configuration* for further details.

Confirm the Real Server Configuration

To confirm your configuration, you can perform a GET request for the server configuration to https://10.10.10.10/axapi/v3/slb/server/server1. Here is an example:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server/server1 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

Here is an example of confirming the configuration by using the UUID endpoint (rather than using /slb/server/server1):

```
curl -k GET https://10.10.10.10/axapi/v3/uuid/a9e3bba4-c9e4-11e4-b4dd-fa163eeb9631 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

If everything has been configured correctly, this request will return the following response payload:

```
{
  "server": {
        "name":"server1",
        "host":"10.10.10.11",
        "action":"enable",
        "template-server":"default",
        "health-check-disable":0,
        "conn-limit":8000000,
        "no-logging":0,
        "weight":1,
        "slow-start":0,
        "spoofing-cache":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "uuid":"a9e3bba4-c9e4-11e4-b4dd-fa163eeb9631",
        "port-list": [
          {
                "port-number":80,
                "protocol":"tcp",
                "range":0,
                "template-port":"default",
                "action":"enable",
                "no-ssl":0,
                "health-check-disable":0,
                "weight":1,
                "conn-limit":8000000,
                "no-logging":0,
                "stats-data-action":"stats-data-enable",
                "extended-stats":0,
                "uuid":"c12d9618-c9e4-11e4-b4dd-fa163eeb9631",
                "a10-url":"/axapi/v3/slb/server/server1/port/80+tcp"
          }
        ]
  }
}
```

You can also confirm the configuration by viewing the list of all configured servers on the ACOS device. To do so, perform an HTTP GET request to https://10.10.10.10/axapi/v3/slb/server/:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

If everything has been configured correctly, the following HTTP response body will be returned:


```
{
  "server-list": [
        {
          "name":"server1",
          "host":"10.10.10.11",
          "action":"enable",
          "template-server":"default",
          "health-check-disable":0,
          "conn-limit":8000000,
          "no-logging":0,
          "weight":1,
          "slow-start":0,
          "spoofing-cache":0,
          "stats-data-action":"stats-data-enable",
          "extended-stats":0,
          "uuid":"a9e3bba4-c9e4-11e4-b4dd-fa163eeb9631",
          "port-list": [
                {
                  "port-number":80,
                  "protocol":"tcp",
                  "range":0,
                  "template-port":"default",
                  "action":"enable",
                  "no-ssl":0,
                  "health-check-disable":0,
                  "weight":1,
                  "conn-limit":8000000,
                  "no-logging":0,
                  "stats-data-action":"stats-data-enable",
                  "extended-stats":0,
                  "uuid":"c12d9618-c9e4-11e4-b4dd-fa163eeb9631",
                  "a10-url":"/axapi/v3/slb/server/server1/port/80+tcp"
                }
          ],
          "a10-url":/axapi/v3/slb/server/server1"
        }
  ]
}
```


Create a Second Real Server

You can repeat this process to add additional servers and/or ports. For example, the following POST request will configure a new server that will be part of the pool of servers available to the virtual server:

```
curl -k POST https://10.10.10.10/axapi/v3/slb/server \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "server-list": [
```

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```
        {
          "name":"server2",
          "host":"10.10.10.12",
          "port-list": [
                {
                  "port-number":80,
                  "protocol":"tcp"
                }
          ]
        }
  ]
}'
```

Note: This can also be fulfilled with a PUT request, but you must be certain to include the settings for server1 in the PUT request, otherwise server1 will be removed from the configuration.

Configure a Service Group

Next we will configure the service group. This is the pool of servers (specifically the two servers created above) that will be used for load balancing the traffic to the virtual server.

To create a service group, perform a POST request to https://10.10.10.10/axapi/v3/slb/service-group/:

```
curl -k POST https://10.10.10.10/axapi/v3/slb/service-group \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "service-group-list": [
        {
          "name":"sg1",
          "protocol":"tcp"
        }
  ]
}'
```

If the request succeeds, the following response will be received:

```
{
  "service-group": {
        "name":"sg1",
        "protocol":"tcp",
        "lb-method":"round-robin",
        "stateless-auto-switch":0,
        "reset-on-server-selection-fail":0,
        "priority-affinity":0,
        "backup-server-event-log":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "traffic-replication-mirror":0,
        "traffic-replication-mirror-da-repl":0,
        "traffic-replication-mirror-ip-repl":0,
        "traffic-replication-mirror-sa-da-repl":0,
        "traffic-replication-mirror-sa-repl":0,
```

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```
        "health-check-disable":0,
        "sample-rsp-time":0,
        "uuid":"53a24e44-c9e5-11e4-b4dd-fa163eeb9631"
  }
}
```

Take note of the UUID if you want to use it for subsequent calls regarding the service-group.

Add Servers to the Service Group

You can now add the servers as members of the service group. Create a POST request to https://10.10.10.10/axapi/v3/slb/service-group/sg1/member/:

```
curl -k POST https://10.10.10.10/axapi/v3/slb/service-group/sg1/member \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "member-list": [
        {
          "name":"server1",
          "port":80
        },
        {
          "name":"server2",
          "port":80
        }
  ]
}'
```

The following payload will be returned in the response:

```
{
  "member-list": [
        {
          "name":"server1",
          "port":80,
          "member-state":"enable",
          "member-stats-data-disable":0,
          "member-priority":1,
          "uuid":"6afde274-c9e5-11e4-b4dd-fa163eeb9631"
        },
        {
          "name":"server2",
          "port":80,
          "member-state":"enable",
          "member-stats-data-disable":0,
          "member-priority":1,
          "uuid":"6afe0614-c9e5-11e4-b4dd-fa163eeb9631"
        }
  ]
}
```

Confirm the Service Group Configuration

To confirm the service group has been configured, you can perform a GET request to https://10.10.10.10/axapi/v3/slb/service-group/sg1/:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/service-group/sg1/ \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

Here is an example of confirming the service group configuration by using the UUID endpoint (rather than using /slb/service-group/sg1/):

```
curl -k GET https://10.10.10.10/axapi/v3/uuid/53a24e44-c9e5-11e4-b4dd-fa163eeb9631 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

The response should look like this:

```
{
  "service-group": {
        "name":"sg1",
        "protocol":"tcp",
        "lb-method":"round-robin",
        "stateless-auto-switch":0,
        "reset-on-server-selection-fail":0,
        "priority-affinity":0,
        "backup-server-event-log":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "traffic-replication-mirror":0,
        "traffic-replication-mirror-da-repl":0,
        "traffic-replication-mirror-ip-repl":0,
        "traffic-replication-mirror-sa-da-repl":0,
        "traffic-replication-mirror-sa-repl":0,
        "health-check-disable":0,
        "sample-rsp-time":0,
        "uuid":"53a24e44-c9e5-11e4-b4dd-fa163eeb9631",
        "member-list": [
          {
                "name":"server1",
                "port":80,
                "member-state":"enable",
                "member-stats-data-disable":0,
                "member-priority":1,
                "uuid":"6afde274-c9e5-11e4-b4dd-fa163eeb9631",
                "a10-url":"/axapi/v3/slb/service-group/sg1/member/server1+80"
          },
          {
                "name":"server2",
                "port":80,
                "member-state":"enable",
                "member-stats-data-disable":0,
                "member-priority":1,
                "uuid":"6afe0614-c9e5-11e4-b4dd-fa163eeb9631",
                "a10-url":"/axapi/v3/slb/service-group/sg1/member/server2+80"
          }
        ]
```

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```
  }
}
```

You can also check the list of all configured service groups using a GET request to https://10.10.10.10/axapi/v3/slb/service-group/:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/service-group \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

If the service group has been configured correctly, the following response will be received:

```
{
  "service-group-list": [
        {
          "name":"sg1",
          "protocol":"tcp",
          "lb-method":"round-robin",
          "stateless-auto-switch":0,
          "reset-on-server-selection-fail":0,
          "priority-affinity":0,
          "backup-server-event-log":0,
          "stats-data-action":"stats-data-enable",
          "extended-stats":0,
          "traffic-replication-mirror":0,
          "traffic-replication-mirror-da-repl":0,
          "traffic-replication-mirror-ip-repl":0,
          "traffic-replication-mirror-sa-da-repl":0,
          "traffic-replication-mirror-sa-repl":0,
          "health-check-disable":0,
          "sample-rsp-time":0,
          "uuid":"53a24e44-c9e5-11e4-b4dd-fa163eeb9631",
          "member-list": [
                {
                  "name":"server1",
                  "port":80,
                  "member-state":"enable",
                  "member-stats-data-disable":0,
                  "member-priority":1,
                  "uuid":"6afde274-c9e5-11e4-b4dd-fa163eeb9631",
                  "a10-url":"/axapi/v3/slb/service-group/sg1/member/server1+80"
                },
                {
                  "name":"server2",
                  "port":80,
                  "member-state":"enable",
                  "member-stats-data-disable":0,
                  "member-priority":1,
                  "uuid":"6afe0614-c9e5-11e4-b4dd-fa163eeb9631",
                  "a10-url":"/axapi/v3/slb/service-group/sg1/member/server2+80"
                }
          ],
          "a10-url":"/axapi/v3/slb/service-group/sg1"
        }
  ]
}
```

Configure a Virtual Server

Configure the virtual server that will be receiving the traffic that will be load balanced by the back-end real servers. Use a POST request sent to https://10.10.10.10/axapi/v3/slb/virtual-server/:

```
curl -k POST https://10.10.10.10/axapi/v3/slb/virtual-server \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "virtual-server-list": [
        {
          "name":"vip1",
          "ip-address":"10.10.10.20"
        }
  ]
}'
```

The response will look like this:

```
{
  "virtual-server": {
        "name":"vip1",
        "ip-address":"10.10.10.20",
        "enable-disable-action":"enable",
        "redistribution-flagged":0,
        "arp-disable":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "uuid":"de3238c6-c9e5-11e4-b4dd-fa163eeb9631"
  }
}
```

Take note of the UUID if you want to use it for subsequent calls regarding the virtual-server.

Add a Virtual Port

You can then configure a virtual port on the virtual server. Traffic sent to the HTTP port will be redirected to the servers in the service group, using the load-balancing algorithm specified in the service group's configuration. In this case, the default algorithm, round robin, is used.

You can either configure virtual ports while you are configuring the virtual server (using the *port-list* child element) or by sending a POST request to https://10.10.10.10/axapi/v3/slb/virtual-server/vip1/port/:

```
curl -k POST https://10.10.10.10/axapi/v3/slb/virtual-server/vip1/port \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "port-list": [
        {
          "port-number":80,
          "protocol":"http",
          "service-group":"sg1"
        }
  ]
}'
```

The following response will be received:

```
{
  "port": {
        "port-number":80,
        "protocol":"http",
        "range":0,
        "conn-limit":8000000,
        "reset":0,
        "no-logging":0,
        "use-alternate-port":0,
        "action":"enable",
        "def-selection-if-pref-failed":"def-selection-if-pref-failed",
        "skip-rev-hash":0,
        "message-switching":0,
        "force-routing-mode":0,
        "reset-on-server-selection-fail":0,
        "clientip-sticky-nat":0,
        "extended-stats":0,
        "snat-on-vip":0,
        "stats-data-action":"stats-data-enable",
        "syn-cookie":0,
        "no-auto-up-on-aflex":0,
        "no-dest-nat":0,
        "scaleout-bucket-count":32,
        "auto":0,
        "service-group":"sg1",
        "ipinip":0,
        "rtp-sip-call-id-match":0,
        "use-rcv-hop-for-resp":0,
        "redirect-to-https":0,
        "template-virtual-port":"default",
        "uuid":"f2152182-c9e5-11e4-b4dd-fa163eeb9631"
  }
}
```


Take note of the UUID if you want to use it for subsequent calls regarding the port. See *Edit the Configuration* for further details.

Confirm the Virtual Server Configuration

To confirm the configuration of the virtual server, perform a GET request to https://10.10.10.10/axapi/v3/slb/virtual-server/vip1/:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vip1 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

Here is an example of confirming the virtual server configuration by using the UUID endpoint (rather than using /slb/virtual-server/vip1/):

```
curl -k GET https://10.10.10.10/axapi/v3/uuid/de3238c6-c9e5-11e4-b4dd-fa163eeb9631 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

If the virtual server has been configured as described in the steps above, the response payload will look like this:

```
{
  "virtual-server": {
        "name":"vip1",
        "ip-address":"10.10.10.20",
        "enable-disable-action":"enable",
        "redistribution-flagged":0,
        "arp-disable":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "uuid":"de3238c6-c9e5-11e4-b4dd-fa163eeb9631",
        "port-list": [
          {
                "port-number":80,
                "protocol":"http",
                "range":0,
                "conn-limit":8000000,
                "reset":0,
                "no-logging":0,
                "use-alternate-port":0,
                "action":"enable",
                "def-selection-if-pref-failed":"def-selection-if-pref-failed",
                "skip-rev-hash":0,
                "message-switching":0,
                "force-routing-mode":0,
                "reset-on-server-selection-fail":0,
                "clientip-sticky-nat":0,
                "extended-stats":0,
                "snat-on-vip":0,
                "stats-data-action":"stats-data-enable",
                "syn-cookie":0,
                "no-auto-up-on-aflex":0,
                "no-dest-nat":0,
                "scaleout-bucket-count":32,
                "auto":0,
                "service-group":"sg1",
                "ipinip":0,
                "rtp-sip-call-id-match":0,
                "use-rcv-hop-for-resp":0,
                "redirect-to-https":0,
                "template-virtual-port":"default",
                "uuid":"f2152182-c9e5-11e4-b4dd-fa163eeb9631",
                "a10-url":"/axapi/v3/slb/virtual-server/vip1/port/80+http"
          }
        ]
  }
}
```


You can also perform a GET request to see the list of all configured virtual servers. To do so, you would perform a GET request to the URL https://10.10.10.10/axapi/v3/slb/virtual-server/:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

View Entire SLB Configuration

To confirm that everything is configured correctly, you can also perform a GET on the SLB intermediate resource. This will show all SLB configurations, including the virtual and real servers, and the service group. Make a GET request to https://10.10.10.10/axapi/v3/slb/:

```
curl -k GET https://10.10.10.10/axapi/v3/slb \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"
```

Assuming everything has been configured as described in the above steps, and no other SLB items exist in the ACOS device's configuration, the HTTP response would contain the following payload:


```
{
  "slb": {
        "resource-usage": {
          "client-ssl-template-count":32,
          "conn-reuse-template-count":32,
          "fast-tcp-template-count":32,
          "fast-udp-template-count":32,
          "http-template-count":32,
          "nat-pool-addr-count":10,
          "persist-cookie-template-count":32,
          "persist-srcip-template-count":32,
          "proxy-template-count":32,
          "real-port-count":64,
          "real-server-count":1024,
          "server-ssl-template-count":32,
          "service-group-count":32,
          "stream-template-count":32,
          "virtual-port-count":32,
          "virtual-server-count":16,
          "uuid":"95c48e3c-c9b7-11e4-88c6-fa163eeb9631",
          "a10-url":"/axapi/v3/slb/resource-usage"
        },
        "server-list": [
          {
                "name":"server1",
                "host":"10.10.10.11",
                "action":"enable",
                "template-server":"default",
                "health-check-disable":0,
                "conn-limit":8000000,
                "no-logging":0,
                "weight":1,
                "slow-start":0,
                "spoofing-cache":0,
                "stats-data-action":"stats-data-enable",
                "extended-stats":0,
                "uuid":"a9e3bba4-c9e4-11e4-b4dd-fa163eeb9631",
                "port-list": [
                  {
                        "port-number":80,
                        "protocol":"tcp",
                        "range":0,
                        "template-port":"default",
                        "action":"enable",
```


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```
                        "no-ssl":0,
                        "health-check-disable":0,
                        "weight":1,
                        "conn-limit":8000000,
                        "no-logging":0,
                        "stats-data-action":"stats-data-enable",
                        "extended-stats":0,
                        "uuid":"c12d9618-c9e4-11e4-b4dd-fa163eeb9631",
                        "a10-url":"/axapi/v3/slb/server/server1/port/80+tcp"
                  }
            ],
            "a10-url":"/axapi/v3/slb/server/server1"
      },
      {
            "name":"server2",
            "host":"10.10.10.12",
            "action":"enable",
            "template-server":"default",
            "health-check-disable":0,
            "conn-limit":8000000,
            "no-logging":0,
            "weight":1,
            "slow-start":0,
            "spoofing-cache":0,
            "stats-data-action":"stats-data-enable",
            "extended-stats":0,
            "uuid":"2d826dca-c9e5-11e4-b4dd-fa163eeb9631",
            "port-list": [
              {
                        "port-number":80,
                        "protocol":"tcp",
                        "range":0,
                        "template-port":"default",
                        "action":"enable",
                        "no-ssl":0,
                        "health-check-disable":0,
                        "weight":1,
                        "conn-limit":8000000,
                        "no-logging":0,
                        "stats-data-action":"stats-data-enable",
                        "extended-stats":0,
                        "uuid":"2d827f4a-c9e5-11e4-b4dd-fa163eeb9631",
                        "a10-url":"/axapi/v3/slb/server/server2/port/80+tcp"
              }
            ],
            "a10-url":"/axapi/v3/slb/server/server2"
      }
    ],
    "service-group-list": [
      {
            "name":"sg1",
            "protocol":"tcp",
            "lb-method":"round-robin",
            "stateless-auto-switch":0,
            "reset-on-server-selection-fail":0,
            "priority-affinity":0,
            "backup-server-event-log":0,
```


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```
            "stats-data-action":"stats-data-enable",
            "extended-stats":0,
            "traffic-replication-mirror":0,
            "traffic-replication-mirror-da-repl":0,
            "traffic-replication-mirror-ip-repl":0,
            "traffic-replication-mirror-sa-da-repl":0,
            "traffic-replication-mirror-sa-repl":0,
            "health-check-disable":0,
            "sample-rsp-time":0,
            "uuid":"53a24e44-c9e5-11e4-b4dd-fa163eeb9631",
            "member-list": [
              {
                    "name":"server1",
                    "port":80,
                    "member-state":"enable",
                    "member-stats-data-disable":0,
                    "member-priority":1,
                    "uuid":"6afde274-c9e5-11e4-b4dd-fa163eeb9631",
                    "a10-url":"/axapi/v3/slb/service-group/sg1/member/server1+80"
              },
              {
                    "name":"server2",
                    "port":80,
                    "member-state":"enable",
                    "member-stats-data-disable":0,
                    "member-priority":1,
                    "uuid":"6afe0614-c9e5-11e4-b4dd-fa163eeb9631",
                    "a10-url":"/axapi/v3/slb/service-group/sg1/member/server2+80"
              }
            ],
            "a10-url":"/axapi/v3/slb/service-group/sg1"
      }
    ],
    "virtual-server-list": [
      {
            "name":"vip1",
            "ip-address":"10.10.10.20",
            "enable-disable-action":"enable",
            "redistribution-flagged":0,
            "arp-disable":0,
            "stats-data-action":"stats-data-enable",
            "extended-stats":0,
            "uuid":"de3238c6-c9e5-11e4-b4dd-fa163eeb9631",
            "port-list": [
              {
                    "port-number":80,
                    "protocol":"http",
                    "range":0,
                    "conn-limit":8000000,
                    "reset":0,
                    "no-logging":0,
                    "use-alternate-port":0,
                    "action":"enable",
                    "def-selection-if-pref-failed":"def-selection-if-pref-failed",
                    "skip-rev-hash":0,
                    "message-switching":0,
                    "force-routing-mode":0,
```


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```
                        "reset-on-server-selection-fail":0,
                        "clientip-sticky-nat":0,
                        "extended-stats":0,
                        "snat-on-vip":0,
                        "stats-data-action":"stats-data-enable",
                        "syn-cookie":0,
                        "no-auto-up-on-aflex":0,
                        "no-dest-nat":0,
                        "scaleout-bucket-count":32,
                        "auto":0,
                        "service-group":"sg1",
                        "ipinip":0,
                        "rtp-sip-call-id-match":0,
                        "use-rcv-hop-for-resp":0,
                        "redirect-to-https":0,
                        "template-virtual-port":"default",
                        "uuid":"f2152182-c9e5-11e4-b4dd-fa163eeb9631",
                        "a10-url":"/axapi/v3/slb/virtual-server/vip1/port/80+http"
                    }
                ],
                "a10-url":"/axapi/v3/slb/virtual-server/vip1"
            }
        ],
        "a10-url":"/axapi/v3/slb"
    }
}
```

Edit the Configuration

In addition to accessing and editing *Resources* by URI, it is also possible to do so by UUID. The following examples show a few ways to use the UUID for updating or deleting resources.

Note: Object keys are optional when using the UUID to edit resources. Also, object keys cannot be changed by UUID (for example, you will get an error if you try to change server1 to server3).

To disable server1 by using the UUID endpoint (rather than using /slb/server/server1/):

```
curl -k POST https://10.10.10.10/axapi/v3/uuid/a9e3bba4-c9e4-11e4-b4dd-fa163eeb9631 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "server": {
        "action": "disable"
  }
}'
```

To delete the port on server1 by using the UUID endpoint (rather than using /slb/server/server1/port/):

```
curl -k -i -X DELETE https://10.10.10.10/axapi/v3/uuid/c12d9618-c9e4-11e4-b4dd-
↪fa163eeb9631 \
-H "Content-Type:application/json" \
-H "Authorization: A10 dfb4690024c8bcdeded6270534a984"
```

To revise the number of concurrent connections on the vip port by using the UUID endpoint (rather than using /slb/virtual-server/vip1/port/):

```
curl -k PUT https://10.10.10.10/axapi/v3/uuid/f2152182-c9e5-11e4-b4dd-fa163eeb9631 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b" \
-d '{
  "port": {
        "conn-limit": 4000000
  }
}'
```

Filters

aXAPI filters work with GET methods to specify that only certain records of interest will appear in the responses. Without filters, all the records are returned by default.

The aXAPI filter mechanisms provide two aspects of control for all the GET methods. Both of the following mechanisms can work together.

- *Paging Mechanism* - handles a huge amount of data records under an aXAPI endpoint.
- *Field Filtering Mechanism* - picks up special data records that match specified fields.

The stats and oper filters work a bit differently for the GET methods, so their usage is limited to a subset of URIs.

- *Statistics Data Filtering* - for use with URIs that include the `/stats` endpoint.
- *Oper Endpoint Filtering* - for use with URIs that include the `/oper` endpoint.

The user tag filters are limited to a subset of SSL Insight objects. They are used to automatically mark an object that is created in the SSLi Services GUI.

- *User Tag Filtering* - for use with SSLi objects that include the **"user-tag":"Security"** property.

Paging Mechanism

The paging mechanism helps to break up large responses into more manageable chunks.

The filter keywords `total`, `start`, and `count` are reserved for the paging mechanism.

- total - shows how many records currently exist.
- start - indicates an index from which those records will be returned.
- count - indicates a limitation. It controls how many records should be returned.

For example, if there are four slb servers, the `total=true` filter shows the total count of slb servers:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server?total=true \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "total-count":4
}
```

If there are four slb servers, the `start=3` filter shows the server at index number 3: [d1, d2, s1, **s2**]:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server?start=3 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "server-list": [
                {
                  "name":"s2",
                  "host":"1.1.1.2",
                  "action":"enable",
                  "template-server":"default",
                  "health-check-disable":0,
                  "conn-limit":8000000,
                  "no-logging":0,
                  "weight":1,
                  "slow-start":0,
                  "spoofing-cache":0,
                  "stats-data-action":"stats-data-enable",
                  "extended-stats":0,
                  "uuid":"a7ec1a00-3270-11df-a8af-000d480a65d0",
                  "a10-url":"/axapi/v3/slb/server/s2"
                }
        ]
}
```

If there are four slb servers, the `start=1&count=1` filters show a list of servers starting at index number 1, but only a list of 1: [d1, **d2**, s1, s2]:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server?start=1&count=1 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "server-list": [
                {
                  "name":"d2",
                  "host":"1.1.1.4",
                  "action":"enable",
                  "template-server":"default",
                  "health-check-disable":0,
                  "conn-limit":8000000,
                  "no-logging":0,
                  "weight":1,
                  "slow-start":0,
                  "spoofing-cache":0,
                  "stats-data-action":"stats-data-enable",
                  "extended-stats":0,
                  "uuid":"b059da1a-3270-11df-a8af-000d480a65d0",
                  "a10-url":"/axapi/v3/slb/server/d2"
                }
        ]
}
```

Field Filtering Mechanism

Field filtering is used to select a matched set of instances as returned records. A filtering keyword is simply a field keyword defined within the schema file. Currently, only the string type field can be supported. The matching rule is that a field's value contains the specified string from filter.

For example, the field `name` is used as a filter to find slb servers whose names contain the character **s**:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server?name=s \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "server-list": [
                {
                  "name":"s1",
                  "host":"1.1.1.1",
                  "action":"disable",
                  "template-server":"default",
                  "health-check-disable":0,
                  "conn-limit":8000000,
                  "no-logging":0,
                  "weight":1,
                  "slow-start":0,
                  "spoofing-cache":0,
                  "stats-data-action":"stats-data-enable",
                  "extended-stats":0,
                  "uuid":"a25672e8-3270-11df-a8af-000d480a65d0",
                  "a10-url":"/axapi/v3/slb/server/s1"
                },
                {
                  "name":"s2",
                  "host":"1.1.1.2",
                  "action":"enable",
                  "template-server":"default",
                  "health-check-disable":0,
                  "conn-limit":8000000,
                  "no-logging":0,
                  "weight":1,
                  "slow-start":0,
                  "spoofing-cache":0,
                  "stats-data-action":"stats-data-enable",
                  "extended-stats":0,
                  "uuid":"a7ec1a00-3270-11df-a8af-000d480a65d0",
                  "a10-url":"/axapi/v3/slb/server/s2"
                }
        ]
}
```

The combination of multiple fields as filters means an AND relationship, such as using the `name` & `action` fields to find slb servers that start with s and are enabled:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server?name=s&action=enable \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
```

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```
{
        "server-list": [
                {
                  "name":"s2",
                  "host":"1.1.1.2",
                  "action":"enable",
                  "template-server":"default",
                  "health-check-disable":0,
                  "conn-limit":8000000,
                  "no-logging":0,
                  "weight":1,
                  "slow-start":0,
                  "spoofing-cache":0,
                  "stats-data-action":"stats-data-enable",
                  "extended-stats":0,
                  "uuid":"a7ec1a00-3270-11df-a8af-000d480a65d0",
                  "a10-url":"/axapi/v3/slb/server/s2"
                }
        ]
}
```

It is possible to use field filtering and paging mechanisms together, such as using the `name` field with the `total` & `count` filters to find the total number of slb servers whose names start with s, starting from index number 0, but only a list of 1:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server?name=s&start=0&count=1 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "server-list": [
                {
                  "name":"s1",
                  "host":"1.1.1.1",
                  "action":"disable",
                  "template-server":"default",
                  "health-check-disable":0,
                  "conn-limit":8000000,
                  "no-logging":0,
                  "weight":1,
                  "slow-start":0,
                  "spoofing-cache":0,
                  "stats-data-action":"stats-data-enable",
                  "extended-stats":0,
                  "uuid":"a25672e8-3270-11df-a8af-000d480a65d0",
                  "a10-url":"/axapi/v3/slb/server/s1"
                }
        ]
}
```

Statistics Data Filtering

Some schema files define extended statistics data. To get this part of the data, you need to use the corresponding filter within the URIs that include the `/stats` endpoint. For example, slb virtual port has such statistics data, according to its L7 protocol.

Basic Statistics

The basic statistics are available at the statistics data URI: /axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port/80+http/stats \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Response
{
        "port": {
                "stats": {
                        "curr_conn": 0,
                        "total_l4_conn": 0,
                        "total_l7_conn": 0,
                        "total_tcp_conn": 0,
                        "total_conn": 0,
                        "total_fwd_bytes": 0,
                        "total_fwd_pkts": 0,
                        "total_rev_bytes": 0,
                        "total_rev_pkts": 0,
                        "total_dns_pkts": 0,
                        "total_mf_dns_pkts": 0,
                        "es_total_failure_actions": 0,
                        "compression_bytes_before": 0,
                        "compression_bytes_after": 0,
                        "compression_hit": 0,
                        "compression_miss": 0,
                        "compression_miss_no_client": 0,
                        "compression_miss_template_exclusion": 0,
                        "curr_req": 0,
                        "total_req": 0,
                        "total_req_succ": 0,
                        "peak_conn": 0,
                        "curr_conn_rate": 0,
                        "last_rsp_time": 0,
                        "fastest_rsp_time": 0,
                        "slowest_rsp_time": 0
                },
                "a10-url": "/axapi/v3/slb/virtual-server/vs1/port/80+http/stats",
                "port-number": 80,
                "protocol": "http"
        }
}
```

Extended HTTP Statistics

The extended statistics for the slb virtual port are available with the addition of the `http_vport=true` filter:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port/80+http/stats?
↪http_vport=true \
```

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```
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "port": {
                "stats": {
                        "http_vport": {
                                "status_200": 0,
                                "status_201": 0,
                                "status_202": 0,
                                "status_203": 0,
                                "status_204": 0,
                                "status_205": 0,
                                "status_206": 0,
                                "status_207": 0,
                                "status_100": 0,
                                "status_101": 0,
                                "status_102": 0,
                                "status_103": 0,
                                "status_300": 0,
                                "status_301": 0,
                                "status_302": 0,
                                "status_303": 0,
                                "status_304": 0,
                                "status_305": 0,
                                "status_306": 0,
                                "status_307": 0,
                                "status_400": 0,
                                "status_401": 0,
                                "status_402": 0,
                                "status_403": 0,
                                "status_404": 0,
                                "status_405": 0,
                                "status_406": 0,
                                "status_407": 0,
                                "status_408": 0,
                                "status_409": 0,
                                "status_410": 0,
                                "status_411": 0,
                                "status_412": 0,
                                "status_413": 0,
                                "status_414": 0,
                                "status_415": 0,
                                "status_416": 0,
                                "status_417": 0,
                                "status_418": 0,
                                "status_422": 0,
                                "status_423": 0,
                                "status_424": 0,
                                "status_425": 0,
                                "status_426": 0,
                                "status_449": 0,
                                "status_450": 0,
                                "status_500": 0,
                                "status_501": 0,
                                "status_502": 0,
```

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```
                                "status_503": 0,
                                "status_504": 0,
                                "status_504_ax": 0,
                                "status_505": 0,
                                "status_506": 0,
                                "status_507": 0,
                                "status_508": 0,
                                "status_509": 0,
                                "status_510": 0,
                                "status_1xx": 0,
                                "status_2xx": 0,
                                "status_3xx": 0,
                                "status_4xx": 0,
                                "status_5xx": 0,
                                "status_6xx": 0,
                                "status_unknown": 0,
                                "ws_handshake_request": 0,
                                "ws_handshake_success": 0,
                                "ws_client_switch": 0,
                                "ws_server_switch": 0,
                                "REQ_10u": 0,
                                "REQ_20u": 0,
                                "REQ_50u": 0,
                                "REQ_100u": 0,
                                "REQ_200u": 0,
                                "REQ_500u": 0,
                                "REQ_1m": 0,
                                "REQ_2m": 0,
                                "REQ_5m": 0,
                                "REQ_10m": 0,
                                "REQ_20m": 0,
                                "REQ_50m": 0,
                                "REQ_100m": 0,
                                "REQ_200m": 0,
                                "REQ_500m": 0,
                                "REQ_1s": 0,
                                "REQ_2s": 0,
                                "REQ_5s": 0,
                                "REQ_OVER_5s": 0
                        }
                },
                "a10-url": "/axapi/v3/slb/virtual-server/vs1/port/80+http/stats",
                "port-number": 80,
                "protocol": "http"
        }
}
```

Note: The paging mechanism and field filtering mechanism cannot work with extended statistics filtering.

Reserved Filter Statistics

For typical config endpoints, there is a reserved ON/OFF filter called `stats` for getting config data and basic statistics data at the same time:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/virtual-server/vs1/port/80+http?
↪stats=true \
```

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```
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "port": {
                "port-number": 80,
                "protocol": "http",
                "range": 0,
                "conn-limit": 8000000,
                "reset": 0,
                "no-logging": 0,
                "use-alternate-port": 0,
                "action": "enable",
                "def-selection-if-pref-failed": "def-selection-if-pref-failed",
                "skip-rev-hash": 0,
                "message-switching": 0,
                "force-routing-mode": 0,
                "reset-on-server-selection-fail": 0,
                "clientip-sticky-nat": 0,
                "extended-stats": 0,
                "snat-on-vip": 0,
                "stats-data-action": "stats-data-enable",
                "syn-cookie": 0,
                "no-auto-up-on-aflex": 0,
                "no-dest-nat": 0,
                "scaleout-bucket-count": 32,
                "auto": 0,
                "ipinip": 0,
                "rtp-sip-call-id-match": 0,
                "use-rcv-hop-for-resp": 0,
                "redirect-to-https": 0,
                "template-virtual-port": "default",
                "uuid": "6e9cb4dc-3278-11df-a8af-000d480a65d0",
                "stats": {
                        "curr_conn": 0,
                        "total_l4_conn": 0,
                        "total_l7_conn": 0,
                        "total_tcp_conn": 0,
                        "total_conn": 0,
                        "total_fwd_bytes": 0,
                        "total_fwd_pkts": 0,
                        "total_rev_bytes": 0,
                        "total_rev_pkts": 0,
                        "total_dns_pkts": 0,
                        "total_mf_dns_pkts": 0,
                        "es_total_failure_actions": 0,
                        "compression_bytes_before": 0,
                        "compression_bytes_after": 0,
                        "compression_hit": 0,
                        "compression_miss": 0,
                        "compression_miss_no_client": 0,
                        "compression_miss_template_exclusion": 0,
                        "curr_req": 0,
                        "total_req": 0,
                        "total_req_succ": 0,
                        "peak_conn": 0,
```

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```
                        "curr_conn_rate": 0,
                        "last_rsp_time": 0,
                        "fastest_rsp_time": 0,
                        "slowest_rsp_time": 0
                }
        }
}
```

Note: This is not a `/stats` endpoint, but the addition of a `?stats=true` filter. The extended statistics cannot work in this way.

Oper Endpoint Filtering

The oper endpoints end with the keyword `/oper`. These are used to retrieve dynamic operational status information from the back-end to see things like available memory, status of fans, admins logged in, etc. Filters are now also available for getting the status plus available extras such as total number of elements, a single record, and the configuration. The valid filters are defined by the oper field in the schema file. As the field filtering mechanism does, it accepts a string value. The paging mechanism is also supported. As of now, its scope is not the object instance. Instead, it works for oper fields within a multiple block.

Used by itself, the `/oper` endpoint will show operational data for each element within a collection or intermediate resource:

```
curl -k GET https://10.10.10.10/axapi/v3/admin-session/oper \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Response
{
        "admin-session": {
                "oper" : {
                  "session-list": [
                        {
                          "sid":"1",
                          "name":"admin",
                          "src_ip":"10.10.10.11",
                          "type":"WEB",
                          "cfg_mode":"No"
                        },
                        {
                          "sid":"*3",
                          "name":"admin",
                          "src_ip":"10.10.10.12",
                          "type":"WEBSERVICE",
                          "cfg_mode":"No"
                        }
                  ]
                },
                "a10-url":"/axapi/v3/admin-session/oper"
        }
}
```

Used with the `total` paging mechanism, it will find the total number of elements at an endpoint. The back-end

determines if oper field filtering mechanism works or not:

```
curl -k GET https://10.10.10.10/axapi/v3/admin-session/oper?total=true \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
  "total-count":2
}
```

In the following example, the `start` paging mechanism is used to find a single object instance record at an endpoint. The back-end determines if oper field filtering mechanism works or not:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server/s2/oper?start=0 \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "server": {
                "oper": {
                        "state": "Down"
                },
                "a10-url": "/axapi/v3/slb/server/s2/oper",
                "name": "s2"
        }
}
```

For typical config endpoints, there is a reserved ON/OFF filter called `oper` for getting config data and basic operational data at the same time:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server/s1?oper=true \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response
{
        "server": {
                "name":"s1",
                "host":"1.1.1.1",
                "action":"disable",
                "template-server":"default",
                "health-check-disable":0,
                "conn-limit":8000000,
                "no-logging":0,
                "weight":1,
                "slow-start":0,
                "spoofing-cache":0,
                "stats-data-action":"stats-data-enable",
                "extended-stats":0,
                "uuid":"a25672e8-3270-11df-a8af-000d480a65d0",
                "oper" : {
                  "state":"Disabled"
                }
        }
}
```

Note: This is not the `/oper` endpoint, but the addition of the `?oper=true` filter.

User Tag Filtering

The user tag filter is used by the GUI to group SSLi objects together by auto-configuring them with the **Security** string in the **user-tag** property. You can use these tags to filter your search results based on the string.

For example, when you create SSLi Services objects in the GUI for SSLi_vip_001, they will automatically be tagged with **user-tag Security** as seen in the `show run` command of the CLI:

```
!
slb server SSLi_vip_001_server_001 100.100.100.8
  user-tag Security
  port 0 tcp
  ...
!
slb service-group SSLi_vip_001_SSLi tcp
  user-tag Security
  member SSLi_vip_001_server_001 8080
  ...
!
slb template client-ssl SSLi_vip_001_client_ssl
  user-tag Security
  forward-proxy-bypass web-category health-and-medicine
  ...
!
slb virtual-server SSLi_vip_001 0.0.0.0 acl name acl_SSLi_vip_001
  user-tag Security
  port 0 tcp
  ...
!
end
```

In the case of searching by tag to retrieve all your SLB Security servers, you can use the `user-tag=Security` filter on your GET request. In the response, you will see the output of **"user-tag":"Security"** in the SLB servers that were auto-configured with that property:

```
curl -k GET https://10.10.10.10/axapi/v3/slb/server?user-tag=Security \
-H "Content-Type:application/json" \
-H "Authorization: A10 c223169c3ab18f9e3826b9df215c2b"

#Filtered Response

{
  "server-list": [
    {
      "name":"SSLi_vip_001_server_001",
      "host":"100.100.100.8",
      "action":"enable",
      "template-server":"default",
      "health-check-disable":0,
      "conn-limit":8000000,
      "no-logging":0,
      "weight":1,
```

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```
    "slow-start":0,
    "spoofing-cache":0,
    "stats-data-action":"stats-data-enable",
    "extended-stats":0,
    "uuid":"f63899d6-c91e-11e5-ae81-fa163e0b5a56",
    "user-tag":"Security",
    "port-list": [
      {
        "port-number":0,
        "protocol":"tcp",
        "range":0,
        "template-port":"default",
        "action":"enable",
        "no-ssl":0,
        "health-check-disable":1,
        "weight":1,
        "conn-limit":8000000,
        "no-logging":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "uuid":"f63aa1cc-c91e-11e5-ae81-fa163e0b5a56",
        "a10-url":"/axapi/v3/slb/server/SSLi_vip_001_server_001/port/0+tcp"
      },
      {
        "port-number":0,
        "protocol":"udp",
        "template-port":"default",
        "action":"enable",
        "no-ssl":0,
        "health-check-disable":1,
        "weight":1,
        "conn-limit":8000000,
        "no-logging":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "uuid":"f63be096-c91e-11e5-ae81-fa163e0b5a56",
        "a10-url":"/axapi/v3/slb/server/SSLi_vip_001_server_001/port/0+udp"
      },
      {
        "port-number":8080,
        "protocol":"tcp",
        "range":0,
        "template-port":"default",
        "action":"enable",
        "no-ssl":0,
        "health-check-disable":1,
        "weight":1,
        "conn-limit":8000000,
        "no-logging":0,
        "stats-data-action":"stats-data-enable",
        "extended-stats":0,
        "uuid":"f63be776-c91e-11e5-ae81-fa163e0b5a56",
        "a10-url":"/axapi/v3/slb/server/SSLi_vip_001_server_001/port/8080+tcp"
      }
    ],
    "a10-url":"/axapi/v3/slb/server/SSLi_vip_001_server_001"
  }
```


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```
  ]
}
```

1.2 Batching Requests

Multiple GET requests for different URI's can be issued by a POST request against `/axapi/v3/batch-get`. Using batching requests reduces the number of API calling times which improves the performance on the CLIENT side.

1.2.1 Intended Use and Limitations

- Only the POST method is allowed.
- The `schema request` call should not use the Batch-Get operation as it will result in failure.

1.2.2 Error Handling

- If one of the API calls is incorrect, its corresponding response attribute `resp` will contain the error JSON data.

Example

The following example shows how to call multiple API's in a single call:

```
    POST /axapi/v3/batch-get
    {
"batch-get-list" : [
             {"uri":"/axapi/v3/interface/ethernet/1/schema"},
             {"uri":"/axapi/v3/interface/ethernet?total=true"},
             {"uri":"/axapi/v3/interface/ethernet?start=2&count=3"},
             {"uri":"/axapi/v3/interface/ethernet?start=2&count=3&wrong-filter=xxx"},
             {"uri":"/axapi/v3/interface/ethernet/1/oper"},
             {"uri":"/axapi/v3/slb/server/s1/stats"},
             {"uri":"/axapi/v3/no-such-endpoint"}
    ]
}
```

If this request succeeds, the following response will be recieved:

```
{
  "batch-get-list": [
        {
          "uri":"/axapi/v3/interface/ethernet/1/schema",
          "resp":{
                "http-status":400,
                "status":"fail",
                  "err": {
                        "code":1023524864,
                        "msg":"JSON message is wrong."
                  }
          }
        },
        {
```

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```
        "uri":"/axapi/v3/interface/ethernet?total=true",
        "resp":{
              "total-count":8
        }
      },
      {
        "uri":"/axapi/v3/interface/ethernet?start=2&count=3",
        "resp":{
              "ethernet-list": [
                {
                      "ifnum":3,
                      "l3-vlan-fwd-disable":0,
                      "load-interval":300,
                      "mtu":1500,
                      "trap-source":0,
                      "duplexity":"auto",
                      "speed":"auto",
                      "flow-control":0,
                      "action":"disable",
                      "uuid":"46e93848-844d-11e5-8d0b-000d480a65d0",
                      "a10-url":"/axapi/v3/interface/ethernet/3"
                },
                {
                      "ifnum":4,
                      "l3-vlan-fwd-disable":0,
                      "load-interval":300,
                      "mtu":1500,
                      "trap-source":0,
                      "duplexity":"auto",
                      "speed":"auto",
                      "flow-control":0,
                      "action":"disable",
                      "uuid":"46e93c8a-844d-11e5-8d0b-000d480a65d0",
                      "a10-url":"/axapi/v3/interface/ethernet/4"
                },
                {
                      "ifnum":5,
                      "l3-vlan-fwd-disable":0,
                      "load-interval":300,
                      "mtu":1500,
                      "trap-source":0,
                      "duplexity":"auto",
                      "speed":"auto",
                      "flow-control":0,
                      "action":"disable",
                      "uuid":"46e940c2-844d-11e5-8d0b-000d480a65d0",
                      "a10-url":"/axapi/v3/interface/ethernet/5"
                }
              ]
        }
      },
      {
        "uri":"/axapi/v3/interface/ethernet?start=2&count=3&wrong-filter=xxx",
        "resp":{
              "http-status":400,
              "status":"fail",
                "err": {
```


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```
                        "code":1023524866,
                        "msg":"Wrong URI filter."
                 }
          }
        },
        {
          "uri":"/axapi/v3/interface/ethernet/1/oper",
          "resp":{
                "ethernet": {
                  "oper" : {
                        "state":"DISABLED",
                        "line_protocol":"DOWN",
                        "link_type":"GigabitEthernet",
                        "mac":"000d.480a.65cf",
                        "config_speed":"auto",
                        "actual_speed":"unknown",
                        "config_duplexity":"auto",
                        "actual_duplexity":"unknown",
                        "media_type":"Copper"
                  },
                  "a10-url":"/axapi/v3/interface/ethernet/1/oper",
                  "ifnum":1
                }
          }
        },
        {
          "uri":"/axapi/v3/slb/server/s1/stats",
          "resp":{
                "server": {
                  "stats" : {
                        "curr-conn":0,
                        "total-conn":0,
                        "fwd-pkt":0,
                        "rev-pkt":0,
                        "peak-conn":0
                  },
                  "a10-url":"/axapi/v3/slb/server/s1/stats",
                  "name":"s1"
                }
          }
        },
        {
          "uri":"/axapi/v3/no-such-endpoint",
          "resp":{
                "http-status":404,
                "status":"fail",
                  "err": {
                        "code":1023525888,
                        "msg":"URI not found."
                  }
          }
        }
  ]
}
```

1.3 Status Codes

aXAPI uses three categories of HTTP status codes - 2XX, 4XX, and 5XX.

- 2XX indicates success of request.
- 4XX indicates client side error. For example, if the JSON data is incorrect.
- 5XX indicates server (ACOS device) side error.

1.3.1 Status Code List

The returned set of status codes may keep evolving but its basic categories and meanings are as follows:

200 OK

This response indicates success and also returns a response message. The response format could be JSON data, plain text, or octet binary data.

For example:

```
GET /axapi/v3/interface/Ethernet/1 returns JSON data.
POST /axapi/v3/clideploy with a show command returns plain text.
GET /axapi/v3/file/ssl-cert returns a pem file or zipped file.
```

201 CREATED

This response is the same as 200 OK with an indication that a new resource or record has been created.

204 NO CONTENT

This response indicates success without any response data. In this case, the client has no need to parse any data. Normally, operational APIs have no response data for the client to read and the 204 status code is returned to indicate the operation is executed successfully.

For example, to import a file:

```
POST /axapi/v3/file/aflex
```

202 ACCEPTED

This response indicates that the request has been accepted and there is no error for now, but the action is still in process. Normally, this status code is returned for time-consuming tasks such as upgrading. In this case, the client might need to periodically check status.

400 BAD REQUEST

This response indicates that the API does not understand the request. Incorrect JSON syntax and not matching schemas may cause this response. All JSON properties are defined by a schema file. The client needs to follow the schema definition to send a request. For example, `ip-address` is defined as string but if the client issues it as a number, this error may be caused.

401 UNAUTHORIZED

This response indicates that the request is from an untrusted client and authentication is required. In this case, the client would need to authenticate itself and resend the request. Authentication URI `/axapi/v3/auth`

403 FORBIDDEN

This response indicates that the client does not have sufficient privileges for such a request. The relative cases include RBA control, platform control, and license control.

404 NOT FOUND

This response indicates that the requested records do not exist or the APIs are not supported. For example, GET `/axapi/abc/def` has no definition attached to it.

415 UNSUPPORTED MEDIA TYPE

This response indicates that the client sends the request with the wrong data format which cannot be accepted by the ACOS device. For example, if the ACOS device can only accept "application/json" and the client sends "plain/text".

500 INTERNAL SERVER ERROR

This response indicates that because of a server side error the request cannot be processed. For example, the system is down or the system resources are used up.

CHAPTER

TWO

CONFIGURATION APIS:

2.1 aam

Objects:

2.1.1 aam

AAM related configuration

aam Specification

Type	*Intermediate Resource*
Element Name	aam
Element URI	/axapi/v3/aam
Element Attributes	aam_attributes
Schema	`aam schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam

aam_attributes

aam attributes

aaa-policy-list

Type: List

Refernce Object: */axapi/v3/aam/aaa-policy/{name}*

access-log

Description: access-log is a **JSON Block**. Please see below for *access-log*

Type: Object

Refernce Object: */axapi/v3/aam/access-log*

auth-log

Description: auth-log is a **JSON Block**. Please see below for *auth-log*

Type: Object

Refernce Object: */axapi/v3/aam/auth-log*

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

Refernce Object: */axapi/v3/aam/authentication*

authorization

Description: authorization is a **JSON Block**. Please see below for *authorization*

Type: Object

Refernce Object: */axapi/v3/aam/authorization*

jwt-authorization-list

Type: List

Refernce Object: */axapi/v3/aam/jwt-authorization/{name}*

rdns

Description: rdns is a **JSON Block**. Please see below for *rdns*

Type: Object

Refernce Object: */axapi/v3/aam/rdns*

resource-usage

Description: resource-usage is a **JSON Block**. Please see below for *resource-usage*

Type: Object

Refernce Object: */axapi/v3/aam/resource-usage*

resource-usage

Specification	
Type	*object*

identity-provider-limit

Description Total Number of Identity Provider exists in the System

Type: number

Range: 64-256

Default: 64

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

jwt-authorization-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

exp-claim-requried

Description Specify the exp claim is required for JWT authorization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-cache-enable

Description Enable caching authorized JWT token and skip verification and authorization for cached tokens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-exp-default

Description Specify the default token expiration if exp claim is not available (default 1800)

Type: number

Range: 1-86400

jwt-forwarding

Description Specify JWT token will not be stripped while forwarding client request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description '0': log disable; '1': only log authorzation fail (default); '2': only log authorization success; '3': log all;

Type: string

Supported Values: 0, 1, 2, 3

name

Description Specify JWT authorization template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification-cert

Description Specify the certificate to verify JWT token signature

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-cert verification-jwks and verification-secret are mutually exclusive

verification-jwks

Description Specify the jwks file to verify JWT token signature

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-jwks verification-cert and verification-secret are mutually exclusive

verification-secret

Description Specify secret for verify JWT token signature

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-secret verification-cert and verification-jwks are mutually exclusive

jwt-authorization-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'jwt-request': JWT Request; 'jwt-authorize-success': JWT Authorize Success; 'jwt-authorize-failure': JWT Authorize Failure; 'jwt-missing-token': JWT Missing Token; 'jwt-missing-claim': JWT Missing Claim; 'jwt-token-expired': JWT Token Expired; 'jwt-signature-failure': JWT Signature Failure; 'jwt-other-error': JWT Other Error;

Type: string

Supported Values: all, jwt-request, jwt-authorize-success, jwt-authorize-failure, jwt-missing-token, jwt-missing-claim, jwt-token-expired, jwt-signature-failure, jwt-other-error

authentication

Specification	
Type	*object*

account

Description: account is a **JSON Block**. Please see below for *authentication_account*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/account*

captcha

Description: captcha is a **JSON Block**. Please see below for *authentication_captcha*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/captcha*

file

Description: file is a **JSON Block**. Please see below for *authentication_file*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/file*

global

Description: global is a **JSON Block**. Please see below for *authentication_global*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/global*

jwks

Description: jwks is a **JSON Block**. Please see below for *authentication_jwks*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/jwks*

jwt-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/jwt/{name}*

log

Description: log is a **JSON Block**. Please see below for *authentication_log*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/log*

logon

Description: logon is a **JSON Block**. Please see below for *authentication_logon*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/logon*

oauth

Description: oauth is a **JSON Block**. Please see below for *authentication_oauth*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/oauth*

password-retry

Description: password-retry is a **JSON Block**. Please see below for *authentication_password-retry*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/password-retry*

portal-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/portal/{name}*

relay

Description: relay is a **JSON Block**. Please see below for *authentication_relay*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay*

saml

Description: saml is a **JSON Block**. Please see below for *authentication_saml*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml*

server

Description: server is a **JSON Block**. Please see below for *authentication_server*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server*

service-group-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/service-group/{name}*

session

Description: session is a **JSON Block**. Please see below for *authentication_session*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/session*

session-attr

Description: session-attr is a **JSON Block**. Please see below for *authentication_session-attr*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/session-attr*

template-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/template/{name}*

authentication_jwt-list

Specification	
Type	*list*
Block object keys	

action

Description 'redirect': redirect JWT to specific URI; 'relay': relay JWT to back-end;

Type: string

Supported Values: redirect, relay

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

issuer

Description Specify JWT issuer claim value

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

jwt-relay-uri

Description Specify JWT relay URI (for relay action)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

name

Description Specify JWT issuer template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-string

Description The JWT signature secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

signature-secret

Description Specify the JWT signature secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

token-lifetime

Description Specify JWT token lifetime (Specify lifetime (in seconds), default is 300.)

Type: number

Range: 0-86400

Default: 300

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_account

Specification	
Type	*object*

kerberos-spn-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/account/kerberos-spn/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_account_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response;

Type: string

Supported Values: all, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other

authentication_account_kerberos-spn-list

Specification	
Type	*list*
Block object keys	

account

Description Specify domain account for SPN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.)

name

Description Specify AD account name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of domain account

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

realm

Description Specify Kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-string

Description Password of AD account

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

service-principal-name

Description Specify service principal name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_portal-list

Specification	
Type	*list*
Block object keys	

change-password

Description: change-password is a **JSON Block**. Please see below for *authentication_portal-list_change-password*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/change-password*

logo-cfg

Description: logo-cfg is a **JSON Block**. Please see below for *authentication_portal-list_logo-cfg*

Type: Object

logon

Description: logon is a **JSON Block**. Please see below for *authentication_portal-list_logon*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/logon*

logon-fail

Description: logon-fail is a **JSON Block**. Please see below for *authentication_portal-list_logon-fail*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/logon-fail*

name

Description 'default-portal': Default portal configuration;

Type: string

Supported Values: default-portal

notify-change-password

Description: notify-change-password is a **JSON Block**. Please see below for *authentication_portal-list_notify-change-password*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/notify-change-password*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_portal-list_logon-fail

Specification	
Type	*object*

background

Description: background is a **JSON Block**. Please see below for *authentication_portal-list_logon-fail_background*

Type: Object

fail-msg-cfg

Description: fail-msg-cfg is a **JSON Block**. Please see below for *authentication_portal-list_logon-fail_fail-msg-cfg*

Type: Object

title-cfg

Description: title-cfg is a **JSON Block**. Please see below for *authentication_portal-list_logon-fail_title-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_portal-list_logon-fail_fail-msg-cfg

Specification	
Type	*object*

fail-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: fail-color-name and fail-color-value are mutually exclusive

fail-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: fail-color-value and fail-color-name are mutually exclusive

fail-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: fail-face and fail-font-custom are mutually exclusive

fail-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fail-font-custom and fail-face are mutually exclusive

fail-msg

Description Configure logon failure message in default logon fail page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

fail-text

Description Specify logon failure message (Default: Login Failed!!)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_logon-fail_title-cfg

Specification	
Type	*object*

title

Description Configure title in default logon fail page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

title-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: title-color-name and title-color-value are mutually exclusive

title-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: title-color-value and title-color-name are mutually exclusive

title-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: title-face and title-font-custom are mutually exclusive

title-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: title-font-custom and title-face are mutually exclusive

title-size

Description Specify font size

Type: number

Range: 1-7

Default: 5

title-text

Description Specify title (Default: Try Too Many Times)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_logon-fail_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

authentication_portal-list_logo-cfg

Specification	
Type	*object*

height

Description Specify logo image height

Type: number

Range: 50-400

Default: 71

logo

Description Specify logo image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

width

Description Specify logo image width

Type: number

Range: 50-400

Default: 134

authentication_portal-list_notify-change-password

Specification	
Type	*object*

background

Description: background is a **JSON Block**. Please see below for *authentication_portal-list_notify-change-password_background*

Type: Object

cfm-pwd-cfg

Description: cfm-pwd-cfg is a **JSON Block**. Please see below for *authentication_portal-list_notify-change-password_cfm-pwd-cfg*

Type: Object

change-text

Description Specify change button text in default change password notification page (Default: Change)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

change-url

Description Specify change password action URL in default change password notification page (Default: /notify_change.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password-var

Description Specify confirm password variable name in default change password notification page (Default: cp_cfm_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

continue-text

Description Specify continue button text in default change password notification page (Default: Continue)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

continue-url

Description Specify continue action URL in default change password notification page (Default: /continue.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-password-var

Description Specify new password variable name in default change password notification page (Default: cp_new_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pwd-cfg

Description: new-pwd-cfg is a **JSON Block**. Please see below for *authentication_portal-list_notify-change-password_new-pwd-cfg*

Type: Object

old-password-var

Description Specify old password variable name in default change password notification page (Default: cp_old_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Description: old-pwd-cfg is a **JSON Block**. Please see below for *authentication_portal-list_notify-change-password_old-pwd-cfg*

Type: Object

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *authentication_portal-list_notify-change-password_username-cfg*

Type: Object

username-var

Description Specify username variable name in default change password notification page (Default: cp_usr)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_portal-list_notify-change-password_new-pwd-cfg

Specification	
Type	*object*

new-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: new-color-name and new-color-value are mutually exclusive

new-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: new-color-value and new-color-name are mutually exclusive

new-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: new-face and new-font-custom are mutually exclusive

new-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-font-custom and new-face are mutually exclusive

new-password

Description Configure new password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

new-text

Description Specify new password text (Default: New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_notify-change-password_old-pwd-cfg

Specification	
Type	*object*

old-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: old-color-name and old-color-value are mutually exclusive

old-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: old-color-value and old-color-name are mutually exclusive

old-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: old-face and old-font-custom are mutually exclusive

old-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: old-font-custom and old-face are mutually exclusive

old-password

Description Configure old password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

old-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

old-text

Description Specify old password text (Default: Old Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_notify-change-password_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

authentication_portal-list_notify-change-password_cfm-pwd-cfg

Specification	
Type	*object*

cfm-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: cfm-color-name and cfm-color-value are mutually exclusive

cfm-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: cfm-color-value and cfm-color-name are mutually exclusive

cfm-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: cfm-face and cfm-font-custom are mutually exclusive

cfm-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: cfm-font-custom and cfm-face are mutually exclusive

cfm-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

cfm-text

Description Specify confirm password text (Default: Confirm New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password

Description Configure confirm password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_portal-list_notify-change-password_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: Username)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_portal-list_logon

Specification	
Type	*object*

action-url

Description Specify form action URL in default logon page (Default: /logon.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Description: background is a **JSON Block**. Please see below for *authentication_portal-list_logon_background*

Type: Object

captcha-type

Description 'reCAPTCHAv2-checkbox': Google reCAPTCHAv2 Checkbox; 'reCAPTCHAv2-invisible': Google reCAPTCHAv2 Invisible; 'reCAPTCHAv3': Google reCAPTCHAv3;

Type: string

Supported Values: reCAPTCHAv2-checkbox, reCAPTCHAv2-invisible, reCAPTCHAv3

enable-CAPTCHA

Description Enable CAPTCHA in deafult logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-passcode

Description Enable passcode field in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

fail-msg-cfg

Description: fail-msg-cfg is a **JSON Block**. Please see below for *authentication_portal-list_logon_fail-msg-cfg*

Type: Object

passcode-cfg

Description: passcode-cfg is a **JSON Block**. Please see below for *authentication_portal-list_logon_passcode-cfg*

Type: Object

passcode-var

Description Specify passcode variable name in default logon page (Default: passcode)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-cfg

Description: password-cfg is a **JSON Block**. Please see below for *authentication_portal-list_logon_password-cfg*

Type: Object

password-var

Description Specify password variable name in default logon page (Default: pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

reCAPTCHA-cfg

Description: reCAPTCHA-cfg is a **JSON Block**. Please see below for *authentication_portal-list_logon_reCAPTCHA-cfg*

Type: Object

site-key-string

Description Site key string

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

submit-text

Description Specify submit button text in default logon page (Default: Log In)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *authentication_portal-list_logon_username-cfg*

Type: Object

username-var

Description Specify username variable name in default logon page (Default: user)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_portal-list_logon_passcode-cfg

Specification	
Type	*object*

passcode

Description Configure passcode text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passcode-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

passcode-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: passcode-color-name and passcode-color-value are mutually exclusive

passcode-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: passcode-color-value and passcode-color-name are mutually exclusive

passcode-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: passcode-face and passcode-font-custom are mutually exclusive

passcode-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

passcode-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: passcode-font-custom and passcode-face are mutually exclusive

passcode-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

passcode-text

Description Specify passcode text (Default: Passcode)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_logon_reCAPTCHA-cfg

Specification	
Type	*object*

reCAPTCHA-action

Description Specify reCAPTCHA action (Specify action string, only accept alphanumeric, underscore, and slash (Default: A10_DEFAULT_LOGON))

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: A10_DEFAULT_LOGON

reCAPTCHA-badge

Description 'bottom-left': bottom left corner; 'bottom-right': bottom right corner;

Type: string

Supported Values: bottom-left, bottom-right

Default: bottom-right

reCAPTCHA-size

Description 'normal': normal size; 'compact': compact size;

Type: string

Supported Values: normal, compact

Default: normal

reCAPTCHA-theme

Description 'light': light theme; 'dark': dark theme;

Type: string

Supported Values: light, dark

Default: light

authentication_portal-list_logon_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

authentication_portal-list_logon_fail-msg-cfg

Specification	
Type	*object*

authz-fail-msg

Description Configure authorization failure message in default logon page, its text attributes follow fail-msg's (Specify authorization failure message (Default: Authorization failed. Please contact your system administrator.))

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

fail-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: red

Mutual Exclusion: fail-color-name and fail-color-value are mutually exclusive

fail-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: fail-color-value and fail-color-name are mutually exclusive

fail-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: fail-face and fail-font-custom are mutually exclusive

fail-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fail-font-custom and fail-face are mutually exclusive

fail-msg

Description Configure login failure message in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-size

Description Specify font size

Type: number

Range: 1-7

Default: 5

fail-text

Description Specify login failure message (Default: Invalid username or password. Please try again.)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_logon_password-cfg

Specification	
Type	*object*

pass-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

pass-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: pass-color-name and pass-color-value are mutually exclusive

pass-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: pass-color-value and pass-color-name are mutually exclusive

pass-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: pass-face and pass-font-custom are mutually exclusive

pass-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

pass-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pass-font-custom and pass-face are mutually exclusive

pass-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

pass-text

Description Specify password text (Default: Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Configure password text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_portal-list_logon_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: User Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_portal-list_change-password

Specification	
Type	*object*

action-url

Description Specify form action URL in default change password page (Default: /change.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Description: background is a **JSON Block**. Please see below for *authentication_portal-list_change-password_background*

Type: Object

cfm-pwd-cfg

Description: cfm-pwd-cfg is a **JSON Block**. Please see below for *authentication_portal-list_change-password_cfm-pwd-cfg*

Type: Object

confirm-password-var

Description Specify confirm password variable name in default change password page (Default: cp_cfm_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-password-var

Description Specify new password variable name in default change password page (Default: cp_new_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pwd-cfg

Description: new-pwd-cfg is a **JSON Block**. Please see below for *authentication_portal-list_change-password_new-pwd-cfg*

Type: Object

old-password-var

Description Specify old password variable name in default change password page (Default: cp_old_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Description: old-pwd-cfg is a **JSON Block**. Please see below for *authentication_portal-list_change-password_old-pwd-cfg*

Type: Object

reset-text

Description Specify reset button text in default change password page (Default: Reset)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

submit-text

Description Specify submit button text in default change password page (Default: Submit)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

title-cfg

Description: title-cfg is a **JSON Block**. Please see below for *authentication_portal-list_change-password_title-cfg*

Type: Object

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *authentication_portal-list_change-password_username-cfg*

Type: Object

username-var

Description Specify username variable name in default change password page (Default: cp_usr)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_portal-list_change-password_new-pwd-cfg

Specification	
Type	*object*

new-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: new-color-name and new-color-value are mutually exclusive

new-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: new-color-value and new-color-name are mutually exclusive

new-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: new-face and new-font-custom are mutually exclusive

new-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-font-custom and new-face are mutually exclusive

new-password

Description Configure new password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

new-text

Description Specify new password text (Default: New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_change-password_title-cfg

Specification	
Type	*object*

title

Description Configure title in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

title-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: title-color-name and title-color-value are mutually exclusive

title-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: title-color-value and title-color-name are mutually exclusive

title-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: title-face and title-font-custom are mutually exclusive

title-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: title-font-custom and title-face are mutually exclusive

title-size

Description Specify font size

Type: number

Range: 1-7

Default: 5

title-text

Description Specify title (Default: Please Change Your Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_change-password_old-pwd-cfg

Specification	
Type	*object*

old-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: old-color-name and old-color-value are mutually exclusive

old-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: old-color-value and old-color-name are mutually exclusive

old-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: old-face and old-font-custom are mutually exclusive

old-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: old-font-custom and old-face are mutually exclusive

old-password

Description Configure old password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

old-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

old-text

Description Specify old password text (Default: Old Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_portal-list_change-password_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

authentication_portal-list_change-password_cfm-pwd-cfg

Specification	
Type	*object*

cfm-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: cfm-color-name and cfm-color-value are mutually exclusive

cfm-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: cfm-color-value and cfm-color-name are mutually exclusive

cfm-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: cfm-face and cfm-font-custom are mutually exclusive

cfm-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: cfm-font-custom and cfm-face are mutually exclusive

cfm-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

cfm-text

Description Specify confirm password text (Default: Confirm New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password

Description Configure confirm password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_portal-list_change-password_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: Username)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_log

Specification	
Type	*object*

enable

Description Enable authentication logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

facility

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use;

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'syslog': Syslog Format (default); 'cef': Common Event Format;

Type: string

Supported Values: syslog, cef

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_relay

Specification	
Type	*object*

form-based

Description: form-based is a **JSON Block**. Please see below for *authentication_relay_form-based*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/form-based*

http-basic

Description: http-basic is a **JSON Block**. Please see below for *authentication_relay_http-basic*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic*

kerberos

Description: kerberos is a **JSON Block**. Please see below for *authentication_relay_kerberos*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/kerberos*

ntlm-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/ntlm/{name}*

oauth-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/oauth/{name}*

saml-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/saml/{name}*

ws-federation-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/ws-federation/{name}*

authentication_relay_ntlm-list

Specification	
Type	*list*
Block object keys	

domain

Description Specify NTLM domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-request-disable

Description Disable NTLM relay processing for large requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify NTLM authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description Specify NTLM version, default is NTLM 2

Type: number

Range: 1-2

Default: 2

authentication_relay_ntlm-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'failure': Failure; 'request': Request; 'response': Response; 'http-code-200': HTTP 200 OK; 'http-code-400': HTTP 400 Bad Request; 'http-code-401': HTTP 401 Unauthorized; 'http-code-403': HTTP 403 Forbidden; 'http-code-404': HTTP 404 Not Found; 'http-code-500': HTTP 500 Internal Server Error; 'http-code-503': HTTP 503 Service Unavailable; 'http-code-other': Other HTTP Response; 'buffer-alloc-fail': Buffer Allocation Failure; 'encoding-fail': Encoding Failure; 'insert-header-fail': Insert Header Failure; 'parse-header-fail': Parse Header Failure; 'internal-error': Internal Error;

Type: string

Supported Values: all, success, failure, request, response, http-code-200, http-code-400, http-code-401, http-code-403, http-code-404, http-code-500, http-code-503, http-code-other,

buffer-alloc-fail, encoding-fail, insert-header-fail, parse-header-fail, internal-error, ntlm-auth-skipped, large-request-processing, large-request-flushed, head-negotiate-request-sent, head-auth-request-sent

authentication_relay_form-based

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}*

authentication_relay_form-based_instance-list

Specification	
Type	*list*
Block object keys	

name

Description Specify form-based authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl*

request-uri-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_relay_form-based_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'invalid_srv_rsp': Invalid Server Response; 'post_fail': POST Failed; 'invalid_cred': Invalid Credential; 'bad_req': Bad Request; 'not_fnd': Not Found; 'error': Internal Server Error; 'other_error': Other Error;

Type: string

Supported Values: all, request, invalid_srv_rsp, post_fail, invalid_cred, bad_req, not_fnd, error, other_error

authentication_relay_form-based_instance-list_request-uri-list

Specification	
Type	*list*
Block object keys	

action-uri

Description Specify the action-URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cookie

Description: cookie is a **JSON Block**. Please see below for *authentication_relay_form-based_instance-list_request-uri-list_cookie*

Type: Object

domain-variable

Description Specify domain variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

max-packet-collect-size

Description Specify the max packet collection size in bytes, default is 1MB

Type: number

Range: 1024-2097152

Default: 1048576

other-variables

Description Specify other variables (n1=v1&n2=v2) in form relay

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uri

Description Specify request URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-variable

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_relay_form-based_instance-list_request-uri-list_cookie

Specification	
Type	*object*

cookie-value

Description: cookie-value is a **JSON Block**. Please see below for *authentication_relay_form-based_instance-list_request-uri-list_cookie_cookie-value*

Type: Object

authentication_relay_form-based_instance-list_request-uri-list_cookie_cookie-value

Specification	
Type	*object*

cookie-value

Description Specify cookie in POST packet

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

authentication_relay_ws-federation-list

Specification	
Type	*list*
Block object keys	

application-server

Description 'sharepoint': Microsoft SharePoint; 'exchange-owa': Microsoft Exchange OWA;

Type: string

Supported Values: sharepoint, exchange-owa

authentication-uri

Description Specify WS-Federation relay URI, default is /_trust/

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify WS-Federation authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_relay_ws-federation-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'success': Success; 'failure': Failure;

Type: string

Supported Values: all, request, success, failure

authentication_relay_oauth-list

Specification	
Type	*list*
Block object keys	

all

Description All URI can be relay

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and match-type are mutually exclusive

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

Mutual Exclusion: match-type and all are mutually exclusive

match-uri

Description

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description Specify oauth authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

relay-type

Description 'access-token': Relay access token to backend; 'id-token': Relay JWT to backend;

Type: string

Supported Values: access-token, id-token

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_relay_oauth-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'relay-req': relay-req; 'relay-succ': relay-succ; 'relay-fail': relay-fail;

Type: string

Supported Values: all, relay-req, relay-succ, relay-fail

authentication_relay_saml-list

Specification	
Type	*list*
Block object keys	

idp-auth-uri

Description Specify the URI for IDP to handle SAML authentication request

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

match-uri

Description Match URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method

Description 'get-from-backend': Get RelayState parameter from backend server; 'request-uri': Use the (URL encoded) current request-uri as the RelayState;

Type: string

Supported Values: get-from-backend, request-uri

Mutual Exclusion: method and value are mutually exclusive

name

Description Specify SAML authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

relay-acs-uri

Description Specify the backend server assertion consuming service URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

retry-number

Description Specify how many continuous fail for SAML relay will trigger. Default will not retry.

Type: number

Range: 0-10

Default: 0

sampling-enable

Type: List

server-cookie-name

Description Specify the cookie name that used by backend server for authenticated users

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Use the fixed string as the RelayState

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: value and method are mutually exclusive

authentication_relay_saml-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'success': Success; 'failure': Failure; 'error': Error;

Type: string

Supported Values: all, request, success, failure, error

authentication_relay_kerberos

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/kerberos/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_relay_kerberos_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Total Request Send; 'response-get': Total Response Get; 'timeout-error': Total Timeout; 'other-error': Total Other Error; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error;

Type: string

Supported Values: all, request-send, response-get, timeout-error, other-error, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error

authentication_relay_kerberos_instance-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

kerberos-account

Description Specify the kerberos account name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kerberos-kdc

Description Specify the kerberos kdc ip or host name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc and kerberos-kdc-service-group are mutually exclusive

kerberos-kdc-service-group

Description Specify an authentication service group as multiple KDCs

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc-service-group and kerberos-kdc are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

kerberos-realm

Description Specify the kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify Kerberos authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of Kerberos password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Specify The KDC port, default is 88

Type: number

Range: 1-65535

Default: 88

sampling-enable

Type: List

secret-string

Description The kerberos client password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

timeout

Description Specify timeout for kerberos transport, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_relay_kerberos_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Request Send; 'response-receive': Response Receive; 'current-requests-of-user': Current Pending Requests of User; 'tickets': Tickets;

Type: string

Supported Values: all, request-send, response-receive, current-requests-of-user, tickets

authentication_relay_http-basic

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic/instance/{name}*

authentication_relay_http-basic_instance-list

Specification	
Type	*list*
Block object keys	

domain

Description Specify user domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-format

Description 'user-principal-name': Append domain with User Principal Name format. (e.g. user@domain); 'down-level-logon-name': Append domain with Down-Level Logon Name format. (e.g. domainuser);

Type: string

Supported Values: user-principal-name, down-level-logon-name

Default: down-level-logon-name

name

Description Specify HTTP basic authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_relay_http-basic_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'no-creds': No Credential; 'bad-req': Bad Request; 'unauth': Unauthorized; 'forbidden': Forbidden; 'not-found': Not Found; 'server-error': Internal Server Error; 'unavailable': Service Unavailable;

Type: string

Supported Values: all, success, no-creds, bad-req, unauth, forbidden, not-found, server-error, unavailable

authentication_jwks

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_session-attr

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_logon

Specification	
Type	*object*

form-based-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/logon/form-based/{name}*

http-authenticate

Description: http-authenticate is a **JSON Block**. Please see below for *authentication_logon_http-authenticate*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/logon/http-authenticate*

authentication_logon_form-based-list

Specification	
Type	*list*
Block object keys	

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

challenge-variable

Description Specify challenge variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-page-cfg

Description: cp-page-cfg is a **JSON Block**. Please see below for *authentication_logon_form-based-list_cp-page-cfg*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

logon-page-cfg

Description: logon-page-cfg is a **JSON Block**. Please see below for *authentication_logon_form-based-list_logon-page-cfg*

Type: Object

name

Description Specify form-based authentication logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-variable

Description Specify new-pin variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

notify-cp-page-cfg

Description: notify-cp-page-cfg is a **JSON Block**. Please see below for *authentication_logon_form-based-list_notify-cp-page-cfg*

Type: Object

portal

Description: portal is a **JSON Block**. Please see below for *authentication_logon_form-based-list_portal*

Type: Object

retry

Description Specify max. number of failure retry (Specify retry count (1 ~ 32), default is 3)

Type: number

Range: 1-32

Default: 3

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_logon_form-based-list_notify-cp-page-cfg

Specification	
Type	*object*

notifychangepassword-change-url

Description Specify change password action url for notifychangepassword form

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

notifychangepassword-continue-url

Description Specify continue action url for notifychangepassword form

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

authentication_logon_form-based-list_portal

Specification	
Type	*object*

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page new-pin-page and next-token-page are mutually exclusive

changepasswordpage

Description Specify change password page name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

default-portal

Description Use default portal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-portal and portal-name are mutually exclusive

failpage

Description Specify logon fail page name (portal fail page name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon

Description Specify logon page name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

next-token-page

Description Specify next token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: next-token-page and challenge-page are mutually exclusive

notifychangepasswordpage

Description Specify change password notification page name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-name

Description Specify portal name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: portal-name and default-portal are mutually exclusive

authentication_logon_form-based-list_logon-page-cfg

Specification	
Type	*object*

action-url

Description Specify form submission action url

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

authz-failure-message

Description Specify authorization failure message shown in logon page (Specify error string, default is "Authorization failed. Please contact your system administrator.")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

captcha-variable

Description Specify captcha variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

disable-change-password-link

Description Don't display change password link on logon page forcibly even backend authentication server supports it (LDAP or Kerberos)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

login-failure-message

Description Specify login failure message shown in logon page (Specify error string, default is "Invalid username or password. Please try again.")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passcode-variable

Description Specify passcode variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username-variable

Description Specify username variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_logon_form-based-list_cp-page-cfg

Specification	
Type	*object*

changepassword-url

Description Specify changepassword form submission action url (changepassword action url)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cp-cfm-pwd-enum

Description 'changepassword-password-confirm-variable': Specify password confirm variable name in form submission;

Type: string

Supported Values: changepassword-password-confirm-variable

cp-cfm-pwd-var

Description Specify password confirm variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-new-pwd-enum

Description 'changepassword-new-password-variable': Specify new password variable name in form submission;

Type: string

Supported Values: changepassword-new-password-variable

cp-new-pwd-var

Description Specify new password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-old-pwd-enum

Description 'changepassword-old-password-variable': Specify old password variable name in form submission;

Type: string

Supported Values: changepassword-old-password-variable

cp-old-pwd-var

Description Specify old password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-user-enum

Description 'changepassword-username-variable': Specify username variable name in form submission;

Type: string

Supported Values: changepassword-username-variable

cp-user-var

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_logon_http-authenticate

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}*

authentication_logon_http-authenticate_instance-list

Specification	
Type	*list*
Block object keys	

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-method

Description: auth-method is a **JSON Block**. Please see below for *authentication_logon_http-authenticate_instance-list_auth-method*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

name

Description Specify HTTP-Authenticate logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl*

retry

Description Specify max. number of failure retry (1 ~ 32), default is 3

Type: number

Range: 1-32

Default: 3

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_logon_http-authenticate_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spn_krb_request': SPN Kerberos Request; 'spn_krb_success': SPN Kerberos Success; 'spn_krb_faiure': SPN Kerberos Failure;

Type: string

Supported Values: all, spn_krb_request, spn_krb_success, spn_krb_faiure

authentication_logon_http-authenticate_instance-list_auth-method

Specification	
Type	*object*

basic

Description: basic is a **JSON Block**. Please see below for *authentication_logon_http-authenticate_instance-list_auth-method_basic*

Type: Object

negotiate

Description: negotiate is a **JSON Block**. Please see below for *authentication_logon_http-authenticate_instance-list_auth-method_negotiate*

Type: Object

ntlm

Description: ntlm is a **JSON Block**. Please see below for *authentication_logon_http-authenticate_instance-list_auth-method_ntlm*

Type: Object

authentication_logon_http-authenticate_instance-list_auth-method_ntlm

Specification	
Type	*object*

ntlm-enable

Description Enable NTLM logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_logon_http-authenticate_instance-list_auth-method_negotiate

Specification	
Type	*object*

negotiate-enable

Description Enable SPENGO logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_logon_http-authenticate_instance-list_auth-method_basic

Specification	
Type	*object*

basic-enable

Description Enable Basic logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-realm

Description Specify realm for basic logon

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page and new-pin-page are mutually exclusive

challenge-response-form

Description Specify challenge-response form for RSA-RADIUS authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-variable

Description Specify challenge variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

new-pin-variable

Description Specify new PIN variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-page

Description Specify next-token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_service-group-list

Specification	
Type	*list*
Block object keys	

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

lb-method

Description 'round-robin': Round robin on server level;

Type: string

Supported Values: round-robin

member-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}*

name

Description Specify AAM service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl*

protocol

Description 'tcp': TCP AAM service; 'udp': UDP AAM service;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_service-group-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Drops due to Service selection failure; 'server_selection_fail_reset': Resets sent out for Service selection failure; 'service_peak_conn': Peak connection count for the Service Group; 'service_healthy_host': Service Group healthy host count; 'service_unhealthy_host': Service Group unhealthy host count; 'service_req_count': Service Group request count; 'service_resp_count': Service Group response count; 'service_resp_2xx': Service Group response 2xx count; 'service_resp_3xx': Service Group response 3xx count; 'service_resp_4xx': Service Group response 4xx count; 'service_resp_5xx': Service Group response 5xx count; 'service_curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn, service_healthy_host, service_unhealthy_host, service_req_count, service_resp_count, service_resp_2xx, service_resp_3xx, service_resp_4xx, service_resp_5xx, service_curr_conn_overflow

authentication_service-group-list_member-list

Specification	
Type	*list*
Block object keys	

member-priority

Description Priority of Port in the Group

Type: number

Range: 1-16

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port;

Type: string

Supported Values: enable, disable

Default: enable

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Default: 65534

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_service-group-list_member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total established connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': peak_conn; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow

authentication_global

Specification	
Type	*object*

max-auth-resp-size

Description Specify the max auth resp size in bytes(from authd to a10lb), default is 64KB

Type: number

Range: 2048-131072

Default: 65536

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'requests': Total Authentication Request; 'responses': Total Authentication Response; 'misses': Total Authentication Request Missed; 'ocsp-stapling-requests-to-a10authd': Total OCSP Stapling Request; 'ocsp-stapling-responses-from-a10authd': Total OCSP Stapling Response; 'opened-socket': Total AAM Socket Opened; 'open-socket-failed': Total AAM Open Socket Failed; 'connect': Total AAM Connection; 'connect-failed': Total AAM Connect Failed; 'created-timer': Total AAM Timer Created; 'create-timer-failed': Total AAM Timer Creation Failed; 'total-request': Total Request Received by A10 Auth Service; 'get-socket-option-failed': Total AAM Get Socket Option Failed; 'aflex-authz-succ': Total Authorization success number in aFleX; 'aflex-authz-fail': Total Authorization failure number in aFleX;

Type: string

Supported Values: all, requests, responses, misses, ocsp-stapling-requests-to-a10authd, ocsp-stapling-responses-from-a10authd, opened-socket, open-socket-failed, connect, connect-failed, created-timer, create-timer-failed, total-request, get-socket-option-failed, aflex-authz-succ, aflex-authz-fail, authn-success, authn-failure, authz-success, authz-failure, active-session, active-user, dns-resolve-failed

authentication_saml

Specification	
Type	*object*

global

Description: global is a **JSON Block**. Please see below for *authentication_saml_global*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/global*

identity-provider-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/saml/identity-provider/{name}*

metadata

Description: metadata is a **JSON Block**. Please see below for *authentication_saml_metadata*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/metadata*

metadata-monitor

Description: metadata-monitor is a **JSON Block**. Please see below for *authentication_saml_metadata-monitor*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/metadata-monitor*

service-provider-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/saml/service-provider/{name}*

session

Description: session is a **JSON Block**. Please see below for *authentication_saml_session*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/session*

authentication_saml_service-provider-list

Specification	
Type	*list*
Block object keys	

SP-initiated-single-logout-service

Type: List

acs-uri-bypass

Description After user authenticated, bypass requests with assertion-consuming-service location URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adfs-ws-federation

Description: adfs-ws-federation is a **JSON Block**. Please see below for *authentication_saml_service-provider-list_adfs-ws-federation*

Type: Object

artifact-resolution-service

Type: List

assertion-consuming-service

Type: List

bad-request-redirect-url

Description Specify URL to redirect

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

certificate

Description SAML service provider certificate file (PFX format is required.)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

entity-id

Description SAML service provider entity ID

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

metadata-export-service

Description: metadata-export-service is a **JSON Block**. Please see below for *authentication_saml_service-provider-list_metadata-export-service*

Type: Object

name

Description Specify SAML authentication service provider name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl*

require-assertion-signed

Description: require-assertion-signed is a **JSON Block**. Please see below for *authentication_saml_service-provider-list_require-assertion-signed*

Type: Object

saml-request-signed

Description: saml-request-signed is a **JSON Block**. Please see below for *authentication_saml_service-provider-list_saml-request-signed*

Type: Object

sampling-enable

Type: List

service-url

Description SAML service provider service URL (ex. https://www.a10networks.com/saml.sso)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

signature-algorithm

Description 'SHA1': use SHA1 as signature algorithm (default); 'SHA256': use SHA256 as signature algorithm;

Type: string

Supported Values: SHA1, SHA256

Default: SHA1

single-logout-service

Type: List

soap-tls-certificate-validate

Description: soap-tls-certificate-validate is a **JSON Block**. Please see below for *authentication_saml_service-provider-list_soap-tls-certificate-validate*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_saml_service-provider-list_require-assertion-signed

Specification	
Type	*object*

require-assertion-signed-enable

Description Enable required signing of SAML assertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_saml_service-provider-list_single-logout-service

Specification	
Type	*list*
Block object keys	

SLO-binding

Description 'post': POST binding of single logout service; 'redirect': Redirect binding of single logout service; 'soap': SOAP binding of single logout service;

Type: string

Supported Values: post, redirect, soap

SLO-location

Description The location of name-id management service. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_saml_service-provider-list_assertion-consuming-service

Specification	
Type	*list*
Block object keys	

assertion-binding

Description 'artifact': Artifact binding of assertion consuming service; 'paos': PAOS binding of assertion consuming service; 'post': POST binding of assertion consuming service;

Type: string

Supported Values: artifact, paos, post

assertion-index

Description The index of assertion consuming service

Type: number

Range: 0-5

assertion-location

Description The location of assertion consuming service endpoint. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_saml_service-provider-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sp-metadata-export-req': Metadata Export Request; 'sp-metadata-export-success': Metadata Export Success; 'login-auth-req': Login Authentication Request; 'login-auth-resp': Login Authentication Response; 'acs-req': SAML Single-Sign-On Request; 'acs-success': SAML Single-Sign-On Success; 'acs-authz-fail': SAML Single-Sign-On Authorization Fail; 'acs-error': SAML Single-Sign-On Error; 'slo-req': Single Logout Request; 'slo-success': Single Logout Success; 'slo-error': Single Logout Error; 'other-error': Other Error;

Type: string

Supported Values: all, sp-metadata-export-req, sp-metadata-export-success, login-auth-req, login-auth-resp, acs-req, acs-success, acs-authz-fail, acs-error, slo-req, slo-success, slo-error, sp-slo-req, glo-slo-success, loc-slo-success, par-slo-success, other-error

authentication_saml_service-provider-list_saml-request-signed

Specification	
Type	*object*

saml-request-signed-disable

Description Disable signing signature for SAML (Authn/Artifact Resolve) requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_saml_service-provider-list_SP-initiated-single-logout-service

Specification	
Type	*list*
Block object keys	

SP-SLO-location

Description The location of SP-initiated single logout service endpoint. (ex. /Logout)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

asynchronous

Description the IDP will not send a logout response to AX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_saml_service-provider-list_adfs-ws-federation

Specification	
Type	*object*

ws-federation-enable

Description Enable ADFS WS-Federation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_saml_service-provider-list_soap-tls-certificate-validate

Specification	
Type	*object*

soap-tls-certificate-validate-disable

Description Disable verification for server certificate in TLS session when resolving artificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_saml_service-provider-list_artifact-resolution-service

Specification	
Type	*list*
Block object keys	

artifact-binding

Description 'soap': SOAP binding of artifact resolution service;

Type: string

Supported Values: soap

artifact-index

Description The index of artifact resolution service

Type: number

Range: 0-5

artifact-location

Description The location of artifact resolution service. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

authentication_saml_service-provider-list_metadata-export-service

Specification	
Type	*object*

md-export-location

Description Specify the URI to export SP metadata (Export URI. Default is /A10SP_Metadata)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sign-xml

Description Sign exported SP metadata XML with SP's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication_saml_identity-provider-list

Specification	
Type	*list*
Block object keys	

metadata

Description URL of SAML identity provider's metadata file

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description SAML authentication identity provider name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

reload-interval

Description Specify URI metadata reload period (Specify URI metadata reload period in seconds, default is 28800)

Type: number

Range: 1-86400

Default: 28800

reload-metadata

Description Reload IdP's metadata immediately

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_saml_global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_saml_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'requests-to-a10saml': Total Request to A10 SAML Service; 'responses-from-a10saml': Total Response from A10 SAML Service; 'sp-metadata-export-req': Total Metadata Export Request; 'sp-metadata-export-success': Toal Metadata Export Success; 'login-auth-req': Total Login Authentication Request; 'login-auth-resp': Total Login Authentication Response; 'acs-req': Total SAML Single-Sign-On Request; 'acs-success': Total SAML Single-Sign-On Success; 'acs-authz-fail': Total SAML Single-Sign-On Authorization Fail; 'acs-error': Total SAML Single-Sign-On Error; 'slo-req': Total Single Logout Request; 'slo-success': Total Single Logout Success; 'slo-error': Total Single Logout Error; 'other-error': Total Other Error;

Type: string

Supported Values: all, requests-to-a10saml, responses-from-a10saml, sp-metadata-export-req, sp-metadata-export-success, login-auth-req, login-auth-resp, acs-req, acs-success, acs-authz-fail, acs-error, slo-req, slo-success, slo-error, sp-slo-req, glo-slo-success, loc-slo-success, par-slo-success, relay-req, relay-success, relay-fail, relay-error, other-error

authentication_saml_session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_saml_metadata-monitor

Specification	
Type	*object*

acs-continuous-fail-threshold

Description Specify how many ACS continuous fails will trigger metadata reload (ACS continuous fail threshold (default: 10))

Type: number

Range: 2-254

acs-missing-period

Description Specify how long no acs request will trigger metadata reload (in seconds (default: 60))

Type: number

Range: 1-254

acs-missing-threshold

Description Specify how many ACS request missing in the period will trigger metadata reload (ACS request missing threshold (default: 100))

Type: number

Range: 10-254

status

Description 'enable': Enable SAML metadata out-of-sync detection; 'disable': Disable SAML metadata out-of-sync detection;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_saml_metadata

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_server

Specification	
Type	*object*

ldap

Description: ldap is a **JSON Block**. Please see below for *authentication_server_ldap*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

ocsp

Description: ocsp is a **JSON Block**. Please see below for *authentication_server_ocsp*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

radius

Description: radius is a **JSON Block**. Please see below for *authentication_server_radius*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/radius*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

windows

Description: windows is a **JSON Block**. Please see below for *authentication_server_windows*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/windows*

authentication_server_windows

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/windows/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_server_windows_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'kerberos-request-send': Total Kerberos Request; 'kerberos-response-get': Total Kerberos Response; 'kerberos-timeout-error': Total Kerberos Timeout; 'kerberos-other-error': Total Kerberos Other Error; 'ntlm-authentication-success': Total NTLM Authentication Success; 'ntlm-authentication-failure': Total NTLM Authentication Failure; 'ntlm-proto-negotiation-success': Total NTLM Protocol Negotiation Success; 'ntlm-proto-negotiation-failure': Total NTLM Protocol Negotiation Failure; 'ntlm-session-setup-success': Total NTLM Session Setup Success; 'ntlm-session-setup-failed': Total NTLM Session Setup Failure; 'kerberos-request-normal': Total Kerberos Normal Request; 'kerberos-request-dropped': Total Kerberos Dropped Request; 'kerberos-response-success': Total Kerberos Success Response; 'kerberos-response-failure': Total Kerberos Failure Response; 'kerberos-response-error': Total Kerberos Error Response; 'kerberos-response-timeout': Total Kerberos Timeout Response; 'kerberos-response-other': Total Kerberos Other Response; 'kerberos-job-start-error': Total Kerberos Job Start Error; 'kerberos-polling-control-error': Total Kerberos Polling Control Error; 'ntlm-prepare-req-success': Total NTLM Prepare Request Success; 'ntlm-prepare-req-failed': Total NTLM Prepare Request Failed; 'ntlm-timeout-error': Total

NTLM Timeout; 'ntlm-other-error': Total NTLM Other Error; 'ntlm-request-normal': Total NTLM Normal Request; 'ntlm-request-dropped': Total NTLM Dropped Request; 'ntlm-response-success': Total NTLM Success Response; 'ntlm-response-failure': Total NTLM Failure Response; 'ntlm-response-error': Total NTLM Error Response; 'ntlm-response-timeout': Total NTLM Timeout Response; 'ntlm-response-other': Total NTLM Other Response; 'ntlm-job-start-error': Total NTLM Job Start Error; 'ntlm-polling-control-error': Total NTLM Polling Control Error;

Type: string

Supported Values: all, kerberos-request-send, kerberos-response-get, kerberos-timeout-error, kerberos-other-error, ntlm-authentication-success, ntlm-authentication-failure, ntlm-proto-negotiation-success, ntlm-proto-negotiation-failure, ntlm-session-setup-success, ntlm-session-setup-failed, kerberos-request-normal, kerberos-request-dropped, kerberos-response-success, kerberos-response-failure, kerberos-response-error, kerberos-response-timeout, kerberos-response-other, kerberos-job-start-error, kerberos-polling-control-error, ntlm-prepare-req-success, ntlm-prepare-req-failed, ntlm-timeout-error, ntlm-other-error, ntlm-request-normal, ntlm-request-dropped, ntlm-response-success, ntlm-response-failure, ntlm-response-error, ntlm-response-timeout, ntlm-response-other, ntlm-job-start-error, ntlm-polling-control-error, kerberos-pw-expiry, kerberos-pw-change-success, kerberos-pw-change-failure

authentication_server_windows_instance-list

Specification	
Type	*list*
Block object keys	

auth-protocol

Description: auth-protocol is a **JSON Block**. Please see below for *authentication_server_windows_instance-list_auth-protocol*

Type: Object

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *authentication_server_windows_instance-list_host*

Type: Object

name

Description Specify Windows authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl*

realm

Description Specify realm of Windows server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-apacheds-kdc

Description Enable weak cipher (DES CRC/MD5/MD4) and merge AS-REQ in single packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify connection timeout to server, default is 10 seconds

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_server_windows_instance-list_host

Specification	
Type	*object*

hostip

Description Specify the Windows server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Specify the Windows server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

authentication_server_windows_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'krb_send_req_success': Kerberos Request; 'krb_get_resp_success': Kerberos Response; 'krb_timeout_error': Kerberos Timeout; 'krb_other_error': Kerberos Other Error; 'ntlm_proto_nego_success': NTLM Protocol Negotiation Success; 'ntlm_proto_nego_failure': NTLM Protocol Negotiation Failure; 'ntlm_session_setup_success': NTLM Session Setup Success; 'ntlm_session_setup_failure':

NTLM Session Setup Failure; 'ntlm_prepare_req_success': NTLM Prepare Request Success; 'ntlm_prepare_req_error': NTLM Prepare Request Error; 'ntlm_auth_success': NTLM Authentication Success; 'ntlm_auth_failure': NTLM Authentication Failure; 'ntlm_timeout_error': NTLM Timeout; 'ntlm_other_error': NTLM Other Error;

Type: string

Supported Values: all, krb_send_req_success, krb_get_resp_success, krb_timeout_error, krb_other_error, krb_pw_expiry, krb_pw_change_success, krb_pw_change_failure, ntlm_proto_nego_success, ntlm_proto_nego_failure, ntlm_session_setup_success, ntlm_session_setup_failure, ntlm_prepare_req_success, ntlm_prepare_req_error, ntlm_auth_success, ntlm_auth_failure, ntlm_timeout_error, ntlm_other_error

authentication_server_windows_instance-list_auth-protocol

Specification	
Type	*object*

kerberos-disable

Description Disable Kerberos authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-password-change-port

Description Specify the Kerbros password change port, default is 464

Type: number

Range: 1-65534

Default: 464

kerberos-port

Description Specify the Kerbros port, default is 88

Type: number

Range: 1-65534

Default: 88

kport-hm

Description Check Kerberos port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kport-hm and kport-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

kport-hm-disable

Description Disable configured Kerberos port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kport-hm-disable and kport-hm are mutually exclusive

ntlm-disable

Description Disable NTLM authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-health-check

Description Check NTLM port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ntlm-health-check and ntlm-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

ntlm-health-check-disable

Description Disable configured NTLM port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ntlm-health-check-disable and ntlm-health-check are mutually exclusive

ntlm-version

Description Specify NTLM version, default is 2

Type: number

Range: 1-2

Default: 2

authentication_server_ocsp

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_server_ocsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stapling-certificate-good': Total OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': Total OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': Total OCSP Stapling Unknown Certificate Response; 'stapling-request-normal': Total OSCP Stapling Normal Request; 'stapling-request-dropped': Total OCSP Stapling Dropped Request; 'stapling-response-success': Total OCSP Stapling Success Response; 'stapling-response-failure': Total OCSP Stapling Failure Response; 'stapling-response-error': Total OCSP Stapling Error Response; 'stapling-response-timeout': Total OCSP Stapling Timeout Response; 'stapling-response-other': Total OCSP Stapling Other Response; 'request-normal': Total OSCP Normal Request; 'request-dropped': Total OCSP Dropped Request; 'response-success': Total OCSP Success Response; 'response-failure': Total OCSP Failure Response; 'response-error': Total OCSP Error Response; 'response-timeout': Total OCSP Timeout Response; 'response-other': Total OCSP Other Response; 'job-start-error': Total OCSP Job Start Error; 'polling-control-error': Total OCSP Polling Control Error;

Type: string

Supported Values: all, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-request-normal, stapling-request-dropped, stapling-response-success, stapling-response-failure, stapling-response-error, stapling-response-timeout, stapling-response-other, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error

authentication_server_ocsp_instance-list

Specification	
Type	*list*
Block object keys	

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

http-version

Description Set HTTP version (default 1.0)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify OCSP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl*

port-health-check

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-health-check and port-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-health-check-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-health-check-disable and port-health-check are mutually exclusive

responder-ca

Description Specify the trusted OCSP responder's CA cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

responder-cert

Description Specify the trusted OCSP responder's cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

sampling-enable

Type: List

url

Description Specify the OCSP server's address (Format: http://host{[}:port{]}/) (The OCSP server's address(Format: http://host{[}:port{]}/))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-type

Description '1.1': HTTP version 1.1;

Type: string

Supported Values: 1.1

authentication_server_ocsp_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'certificate-good': Good Certificate Response; 'certificate-revoked': Revoked Certificate Response; 'certificate-unknown': Unknown Certificate Response; 'timeout': Timeout; 'fail': Handle OCSP response failed; 'stapling-request': OCSP Stapling Request Send; 'stapling-certificate-good': OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': OCSP Stapling Unknown Certificate Response; 'stapling-timeout': OCSP Stapling Timeout; 'stapling-fail': Handle OCSP response failed;

Type: string

Supported Values: all, request, certificate-good, certificate-revoked, certificate-unknown, timeout, fail, stapling-request, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-timeout, stapling-fail

authentication_server_radius

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_server_radius_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Total Authentication Success; 'authen_failure': Total Authentication Failure; 'authorize_success': Total Authorization Success; 'authorize_failure': Total Authorization Failure; 'access_challenge': Total Access-Challenge Message Receive; 'timeout_error': Total Timeout; 'other_error': Total Other Error; 'request': Total Request; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error, accounting-request-sent, accounting-success, accounting-failure

authentication_server_radius_instance-list

Specification	
Type	*list*
Block object keys	

accounting-port

Description Specify the RADIUS server's accounting port, default is 1813

Type: number

Range: 1-65534

Default: 1813

acct-port-hm

Description Specify accounting port health check method

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acct-port-hm and acct-port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

acct-port-hm-disable

Description Disable configured accounting port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: acct-port-hm-disable and acct-port-hm are mutually exclusive

auth-type

Description 'pap': PAP authentication. Default; 'mschapv2': MS-CHAPv2 authentication; 'mschapv2-pap': Use MS-CHAPv2 first. If server doesn't support it, try PAP;

Type: string

Supported Values: pap, mschapv2, mschapv2-pap

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *authentication_server_radius_instance-list_host*

Type: Object

interval

Description Specify the interval time for resend the request (second), default is 3 seconds (The interval time(second), default is 3 seconds)

Type: number

Range: 1-1024

Default: 3

name

Description Specify RADIUS authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl*

port

Description Specify the RADIUS server's authentication port, default is 1812

Type: number

Range: 1-65534

Default: 1812

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

retry

Description Specify the retry number for resend the request, default is 5 (The retry number, default is 5)

Type: number

Range: 1-32

Default: 5

sampling-enable

Type: List

secret

Description Specify the RADIUS server's secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_server_radius_instance-list_host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

authentication_server_radius_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Authentication Success; 'authen_failure': Authentication Failure; 'authorize_success': Authorization Success; 'authorize_failure': Authorization Failure; 'access_challenge': Access-Challenge Message Receive; 'timeout_error': Timeout; 'other_error': Other Error; 'request': Request; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, accounting-request-sent, accounting-success, accounting-failure

authentication_server_ldap

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_server_ldap_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Total Admin Bind Success; 'admin-bind-failure': Total Admin Bind Failure; 'bind-success': Total User Bind Success; 'bind-failure': Total User Bind Failure; 'search-success': Total Search Success; 'search-failure': Total Search Failure; 'authorize-success': Total Authorization Success; 'authorize-failure': Total Authorization Failure; 'timeout-error': Total Timeout; 'other-error': Total Other Error; 'request': Total Request; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error, other-error, request, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error, ssl-session-created, ssl-session-failure, ldaps-idle-conn-num, ldaps-inuse-conn-num, pw-expiry, pw-change-success, pw-change-failure

authentication_server_ldap_instance-list

Specification	
Type	*list*
Block object keys	

admin-dn

Description The LDAP server's admin DN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

admin-secret

Description Specify the LDAP server's admin secret password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-type

Description 'ad': Active Directory. Default; 'open-ldap': OpenLDAP;

Type: string

Supported Values: ad, open-ldap

base

Description Specify the LDAP server's search base

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

bind-with-dn

Description Enforce using DN for LDAP binding(All user input name will be used to create DN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ca-cert

Description Specify the LDAPS CA cert filename (Trusted LDAPS CA cert filename)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

default-domain

Description Specify default domain for LDAP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

derive-bind-dn

Description: derive-bind-dn is a **JSON Block**. Please see below for *authentication_server_ldap_instance-list_derive-bind-dn*

Type: Object

dn-attribute

Description Specify Distinguished Name attribute, default is CN

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: cn

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *authentication_server_ldap_instance-list_host*

Type: Object

ldaps-conn-reuse-idle-timeout

Description Specify LDAPS connection reuse idle timeout value (in seconds) (Specify idle timeout value (in seconds), default is 0 (not reuse LDAPS connection))

Type: number

Range: 0-86400

Default: 0

name

Description Specify LDAP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl*

port

Description Specify the LDAP server's authentication port, default is 389

Type: number

Range: 1-65534

Default: 389

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

prompt-pw-change-before-exp

Description Prompt user to change password before expiration in N days. This option only takes effect when server type is AD (Prompt user to change password before expiration in N days, default is not to prompt the user)

Type: number

Range: 1-999

protocol

Description 'ldap': Use LDAP (default); 'ldaps': Use LDAP over SSL; 'starttls': Use LDAP StartTLS;

Type: string

Supported Values: ldap, ldaps, starttls

Default: ldap

pwdmaxage

Description Specify the LDAP server's default password expiration time (in seconds) (The LDAP server's default password expiration time (in seconds), default is 0 (no expiration))

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description Specify timout for LDAP, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_server_ldap_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Admin Bind Success; 'admin-bind-failure': Admin Bind Failure; 'bind-success': User Bind Success; 'bind-failure': User Bind Failure; 'search-success': Search Success; 'search-failure': Search Failure; 'authorize-success': Authorization Success; 'authorize-failure': Authorization Failure; 'timeout-error': Timeout; 'other-error': Other Error; 'request': Request;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error,

other-error, request, ssl-session-created, ssl-session-failure, pw_expiry, pw_change_success, pw_change_failure

authentication_server_ldap_instance-list_derive-bind-dn

Specification	
Type	*object*

username-attr

Description Specify attribute name of username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

authentication_server_ldap_instance-list_host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

authentication_captcha

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/captcha/instance/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_captcha_instance-list

Specification	
Type	*list*
Block object keys	

client-ip-param-name

Description Specify client ip parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

method

Description 'POST': API uses POST method; 'GET': API uses GET method;

Type: string

Supported Values: POST, GET

Default: POST

name

Description Specify captcha profile name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resp-error-code-field-name

Description Specify error code field name used in JSON response (Set field name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

resp-result-field-name

Description Specify result field name used in JSON response (Set field name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-key

Description Specify secret key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-key-param-name

Description Specify secret key parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-key-string

Description Secret key string

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

send-client-ip

Description Send client IP address in API

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify timeout for verify API response (Specify timeout value, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

token-param-name

Description Specify token parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

url

Description Specify verify API URL, default scheme is https

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_file

Specification	
Type	*object*

portal

Description: portal is a **JSON Block**. Please see below for *authentication_file_portal*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/file/portal*

portal-image

Description: portal-image is a **JSON Block**. Please see below for *authentication_file_portal-image*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/file/portal-image*

authentication_file_portal

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_file_portal-image

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_oauth

Specification	
Type	*object*

authorization-server-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/oauth/authorization-server/{name}*

client-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/oauth/client/{name}*

global

Description: global is a **JSON Block**. Please see below for *authentication_oauth_global*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/oauth/global*

authentication_oauth_global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_oauth_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auth-req': auth-req; 'auth-succ': auth-succ; 'auth-fail': auth-fail; 'auth-error': auth-error; 'relay-req': relay-req; 'relay-succ': relay-succ; 'relay-fail': relay-fail; 'other-error': other-error;

Type: string

Supported Values: all, auth-req, auth-succ, auth-fail, auth-error, relay-req, relay-succ, relay-fail, other-error

authentication_oauth_client-list

Specification	
Type	*list*
Block object keys	

client-id

Description Specify oauth client-id

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-secret

Description

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

grant-type

Description 'implicit': The authorization server will return access token directly.; 'authorization-code': The authorization server will respond with code which can be exchange for access token.; 'hybrid-code-id-token': The authorization server will respond with both code and id token.; 'hybrid-code-token': The authorization server will respond with both code and access token.; 'hybrid-all': The authorization server will respond with code, access token and id token;

Type: string

Supported Values: implicit, authorization-code, hybrid-code-id-token, hybrid-code-token, hybrid-all

infinity

Description Auth session never time out whatever value oauth servers' response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: infinity and token-lifetime are mutually exclusive

name

Description Specify client object name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

parameter-nonce-enable

Description Enable nonce parameter for authorization and token request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirection-endpoint

Description Oauth client redirection endpoint service URL, this URL will plus /js automatically when authorization-endpoint using GET metho

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

scope

Description Specify request scope parameters (e.g. profile email address phone)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

session-init-ttl

Description TTL for Thunder to wait for first response from authorization server

Type: number

Range: 1-60

token-lifetime

Description

Type: number

Range: 1-2592000

Mutual Exclusion: token-lifetime and infinity are mutually exclusive

type

Description 'openid-connect': openid-connect;

Type: string

Supported Values: openid-connect

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_oauth_authorization-server-list

Specification	
Type	*list*
Block object keys	

authorization-endpoint

Description Specify URI for authorization

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-method

Description 'ignored': Clients' browser will send data according to server spec (default); 'post': Clients' browser will send data by POST; 'get': Clients' browser will send data by GET;

Type: string

Supported Values: ignored, post, get

issuer

Description Specify openid provider name for authorization

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description Specify authorization server object name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

server-method

Description 'post': AX will send data to server by POST (default); 'get': AX will send data to server by GET;

Type: string

Supported Values: post, get

token-endpoint

Description Specify URI for token exchange

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification-cert

Description Specify certificate to verify ID token signature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-cert and verification-jwks are mutually exclusive

verification-jwks

Description Specify jwks file to verify ID token signature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-jwks and verification-cert are mutually exclusive

authentication_oauth_authorization-server-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auth-req': auth-req; 'auth-succ': auth-succ; 'auth-fail': auth-fail; 'auth-error': auth-error; 'other-error': other-error;

Type: string

Supported Values: all, auth-req, auth-succ, auth-fail, auth-error, other-error

authentication_password-retry

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_template-list

Specification	
Type	*list*
Block object keys	

account

Description Specify AD domain account

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/account/kerberos-spn*

accounting-server

Description Specify a RADIUS accounting server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: accounting-server and accounting-service-group are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance*

accounting-service-group

Description Specify an authentication service group for RADIUS accounting

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: accounting-service-group and accounting-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

auth-sess-mode

Description 'cookie-based': Track auth-session by cookie (default); 'ip-based': Track auth-session by client IP;

Type: string

Supported Values: cookie-based, ip-based

captcha

Description Specify captcha profile (Specify captcha proflie name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/captcha/instance*

chain

Type: List

cookie-domain

Type: List

cookie-domain-group

Type: List

cookie-httponly-enable

Description Enable httponly attribute for AAM cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-max-age

Description Configure Max-Age for authentication session cookie (Configure Max-Age in seconds. Default is 604800 (1 week).)

Type: number

Range: 0-2592000

Default: 604800

cookie-samesite

Description 'strict': Specify SameSite attribute as Strict for AAM cookie; 'lax': Specify SameSite attribute as Lax for AAM cookie; 'none': Specify SameSite attribute as None for AAM cookie;

Type: string

Supported Values: strict, lax, none

cookie-secure-enable

Description Enable secure attribute for AAM cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-logout-disable

Description Disable forward logout request to backend application server. The config-field logut-url must be configured first

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt

Description Specify authentication jwt template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/jwt*

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description 'use-partition-level-config': Use configuration of authentication-log enable command; 'enable': Enable authentication logs for this template; 'disable': Disable authentication logs for this template;

Type: string

Supported Values: use-partition-level-config, enable, disable

Default: use-partition-level-config

logon

Description Specify authentication logon (Specify authentication logon template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

logout-idle-timeout

Description Specify idle logout time (Specify idle timeout in seconds, default is 300)

Type: number

Range: 1-86400

Default: 300

logout-url

Description Specify logout url (Specify logout url string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

max-session-time

Description Specify default SAML token lifetime (Specify lifetime (in seconds) of SAML token when it not provided by token attributs, default is 28800. (0 for indefinite))

Type: number

Range: 0-86400

modify-content-security-policy

Description Put redirct-uri or service-principal-name into CSP header to avoid CPS break authentication process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Authentication template name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oauth-authorization-server

Description Specify SAML service provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oauth-client

Description Specify SAML identity provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

redirect-hostname

Description Hostname(Length 1-31) for transparent-proxy authentication

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

relay

Description Specify authentication relay (Specify authentication relay template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

saml-idp

Description Specify SAML identity provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

saml-sp

Description Specify SAML service provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server

Description Specify authentication server (Specify authentication server template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Bind an authentication service group to this template (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group server and chain-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

type

Description 'saml': SAML authentication template; 'standard': Standard authentication template;

Type: string

Supported Values: saml, standard, oauth

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_template-list_chain

Specification	
Type	*list*
Block object keys	

chain-server

Description Specify authentication server (Specify authentication server template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-server service-group and chain-sg are mutually exclusive

chain-server-priority

Description Set server priority, higher the number higher the priority. Default is 3. (Chain server priority, higher the number higher the priority. Default is 3.)

Type: number

Range: 1-5

Default: 3

chain-sg

Description Bind an authentication service group to this template (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-sg and chain-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

chain-sg-priority

Description Set service-group priority, higher the number higher the priority. Default is 3. (Chain service-group priority, higher the number higher the priority. Default is 3.)

Type: number

Range: 1-5

Default: 3

authentication_template-list_cookie-domain-group

Specification	
Type	*list*
Block object keys	

cookie-dmngrp

Description Specify group id to join in the cookie-domain

Type: number

Range: 0-31

authentication_template-list_cookie-domain

Specification	
Type	*list*
Block object keys	

cookie-dmn

Description Specify domain scope for the authentication (ex: .a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 2 characters

rdns

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aaa-policy-list

Specification	
Type	*list*
Block object keys	

aaa-rule-list

Type: List

Refernce Object: */axapi/v3/aam/aaa-policy/{name}/aaa-rule/{index}*

name

Description Specify AAA policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aaa-policy-list_aaa-rule-list

Specification	
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *aaa-policy-list_aaa-rule-list_access-list*

Type: Object

action

Description 'allow': Allow traffic that matches this rule; 'deny': Deny traffic that matches this rule;

Type: string

Supported Values: allow, deny

auth-failure-bypass

Description Forward client's request even though authentication has failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-template

Description Specify authentication template name to bind to the AAA rule

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/template*

authorize-policy

Description Specify authorization policy to bind to the AAA rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

captcha-authz-policy

Description Specify authorization policy for CAPTCHA (Authorization policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

domain-name

Description Specify domain name to bind to the AAA rule (ex: a10networks.com, www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Type: List

index

Description Specify AAA rule index

Type: number

Range: 1-256

match-encoded-uri

Description Enable URL decoding for URI matching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Specify port number for aaa-rule, default is 0 for all port numbers

Type: number

Range: 1-65535

sampling-enable

Type: List

uri

Type: List

user-agent

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aaa-policy-list_aaa-rule-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_count': total_count; 'hit_count': hit_count;

Type: string

Supported Values: all, total_count, hit_deny, hit_auth, hit_bypass, failure_bypass

aaa-policy-list_aaa-rule-list_uri

Specification	
Type	*list*
Block object keys	

match-type

Description 'contains': Match URI if request URI contains specified URI; 'ends-with': Match URI if request URI ends with specified URI; 'equals': Match URI if request URI equals specified URI; 'starts-with': Match URI if request URI starts with specified URI;

Type: string

Supported Values: contains, ends-with, equals, starts-with

uri-str

Description Specify URI string

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

aaa-policy-list_aaa-rule-list_user-agent

Specification	
Type	*list*
Block object keys	

user-agent-match-type

Description 'contains': Match request User-Agent header if it contains specified string; 'ends-with': Match request User-Agent header if it ends with specified string; 'equals': Match request User-Agent header if it equals specified string; 'starts-with': Match request User-Agent header if it starts with specified string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

user-agent-str

Description Specify request User-Agent string

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

aaa-policy-list_aaa-rule-list_host

Specification	
Type	*list*
Block object keys	

host-match-type

Description 'contains': Match HOST if request HTTP HOST header contains specified hostname; 'ends-with': Match HOST if request HTTP HOST header ends with specified hostname; 'equals': Match HOST if request HTTP HOST header equals specified hostname; 'starts-with': Match HOST if request HTTP HOST header starts with specified hostname;

Type: string

Supported Values: contains, ends-with, equals, starts-with

host-str

Description Specify URI string

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

aaa-policy-list_aaa-rule-list_access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

acl-name

Description 'ip-name': Apply an IP named access list; 'ipv6-name': Apply an IPv6 named access list;

Type: string

Supported Values: ip-name, ipv6-name

Mutual Exclusion: acl-name and acl-id are mutually exclusive

name

Description Specify Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

aaa-policy-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'req': Request; 'req-reject': Request Rejected; 'req-auth': Request Matching Authentication Template; 'req-allow': Request Allowed; 'req-skip': Request Skipped; 'error': Error;

Type: string

Supported Values: all, req, req-reject, req-auth, req-bypass, req-skip, error, failure-bypass

authorization

Specification	
Type	*object*

jwt

Description: jwt is a **JSON Block**. Please see below for *authorization_jwt*

Type: Object

Refernce Object: */axapi/v3/aam/authorization/jwt*

policy-list

Type: List

Refernce Object: */axapi/v3/aam/authorization/policy/{name}*

authorization_policy-list

Specification	
Type	*list*
Block object keys	

attribute-list

Type: List

Refernce Object: */axapi/v3/aam/authorization/policy/{name}/attribute/{attr-num}*

attribute-rule

Description Define attribute rule for authorization policy

Type: string

Format: string-rlx

extended-filter

Description Extended search filter. EX: Check whether user belongs to a nested group. (memberOf:1.2.840.113556.1.4.1941:=$GROUP-DN)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

forward-policy-authorize-only

Description This policy only provides server info for forward policy feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-authorization

Description Specify JWT authorization template (Specify JWT authorization template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: jwt-authorization server and service-group are mutually exclusive

Refernce Object: */axapi/v3/aam/jwt-authorization*

jwt-claim-map-list

Type: List

Refernce Object: */axapi/v3/aam/authorization/policy/{name}/jwt-claim-map/{attr-num}*

name

Description Specify authorization policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server

Description Specify a LDAP or RADIUS server for authorization (Specify a LDAP or RADIUS server name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: server service-group and jwt-authorization are mutually exclusive

service-group

Description Specify an authentication service group for authorization (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group server and jwt-authorization are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authorization_policy-list_jwt-claim-map-list

Specification	
Type	*list*
Block object keys	

attr-num

Description Spcify attribute ID for claim mapping

Type: number

Range: 1-32

bool-val

Description 'true': True; 'false': False;

Type: string

Supported Values: true, false

boolean-type

Description Claim type is boolean

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: boolean-type string-type and number-type are mutually exclusive

claim

Description Specify JWT claim name to map to.

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

num-val

Description Specify JWT claim value.

Type: number

Range: 0-4294967295

number-type

Description Claim type is number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: number-type string-type and boolean-type are mutually exclusive

str-val

Description Specify JWT claim value.

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

string-type

Description Claim type is string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: string-type number-type and boolean-type are mutually exclusive

type

Description Specify claim type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authorization_policy-list_attribute-list

Specification	
Type	*list*
Block object keys	

A10-AX-AUTH-URI

Description Custom-defined attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: A10-AX-AUTH-URI and attribute-name are mutually exclusive

a10-dynamic-defined

Description The value of this attribute will depend on AX configuration instead of user configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

any

Description Matched when attribute is present (with any value).

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and attr-type are mutually exclusive

attr-int

Description 'equal': Operation type is equal; 'not-equal': Operation type is not equal; 'less-than': Operation type is less-than; 'more-than': Operation type is more-than; 'less-than-equal-to': Operation type is less-than-equal-to; 'more-than-equal-to': Operation type is more-thatn-equal-to;

Type: string

Supported Values: equal, not-equal, less-than, more-than, less-than-equal-to, more-than-equal-to

attr-int-val

Description Set attribute value

Type: number

Range: 0-4294967295

attr-ip

Description 'equal': Operation type is equal; 'not-equal': Operation type is not-equal;

Type: string

Supported Values: equal, not-equal

attr-ipv4

Description IPv4 address

Type: string

Format: ipv4-address

attr-num

Description Set attribute ID for authorization policy

Type: number

Range: 1-32

attr-number

Description 'equal': Operation type is equal; 'not-equal': Operation type is not equal; 'less-than': Operation type is less-than; 'more-than': Operation type is more-than; 'less-than-equal-to': Operation type is less-than-equal-to; 'more-than-equal-to': Operation type is more-thatn-equal-to;

Type: string

Supported Values: equal, not-equal, less-than, more-than, less-than-equal-to, more-than-equal-to

attr-number-val

Description Set attribute value

Type: string

Maximum Length: 20 characters

Maximum Length: 1 characters

attr-str

Description 'match': Operation type is match; 'sub-string': Operation type is sub-string;

Type: string

Supported Values: match, sub-string

attr-str-val

Description Set attribute value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

attr-type

Description Specify attribute type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: attr-type and any are mutually exclusive

attribute-name

Description Specify attribute name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: attribute-name and A10-AX-AUTH-URI are mutually exclusive

custom-attr-str

Description 'match': Operation type is match; 'sub-string': Operation type is sub-string;

Type: string

Supported Values: match, sub-string

custom-attr-type

Description Specify attribute type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

integer-type

Description Attribute type is integer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: integer-typestring-type, ip-type and number-type are mutually exclusive

ip-type

Description IP address is transformed into network byte order

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ip-typestring-type, integer-type and number-type are mutually exclusive

number-type

Description Attribute type is decimal number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: number-typestring-type, integer-type and ip-type are mutually exclusive

string-type

Description Attribute type is string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: string-typeinteger-type, ip-type and number-type are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authorization_jwt

Specification	
Type	*object*

cache

Description: cache is a **JSON Block**. Please see below for *authorization_jwt_cache*

Type: Object

Refernce Object: */axapi/v3/aam/authorization/jwt/cache*

authorization_jwt_cache

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.2 aam aaa-policy

AAM AAA policy configuration

aaa-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aaa-policy-list*
Collection URI	/axapi/v3/aam/aaa-policy
Element Name	aaa-policy
Element URI	/axapi/v3/aam/aaa-policy/{name}
Element Attributes	aaa-policy_attributes
Statistics Data URI	/axapi/v3/aam/aaa-policy/{name}/stats
Schema	`aaa-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/aaa-policy

aaa-policy attributes

```
POST /axapi/v3/aam/aaa-policy/
Payload:
{
    "aaa-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/aaa-policy

aaa-policy attributes

Get Object

GET

/axapi/v3/aam/aaa-policy/{name}

aaa-policy attributes

```
GET /axapi/v3/aam/aaa-policy/a
Reponse:
{
    "aaa-policy": {
        "name": "a",
        "uuid": "b4d3a784-6001-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/aaa-policy/a"
    }
}
```

Get List

GET

/axapi/v3/aam/aaa-policy

aaa-policy-list

Modify Object

POST

/axapi/v3/aam/aaa-policy/{name}

aaa-policy attributes

Replace Object

PUT

/axapi/v3/aam/aaa-policy/{name}

aaa-policy attributes

```
PUT /axapi/v3/aam/aaa-policy/a
Payload:
{
    "aaa-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/aaa-policy

aaa-policy-list

Delete Object

DELETE

/axapi/v3/aam/aaa-policy/{name}

aaa-policy attributes

```
DELETE /axapi/v3/aam/aaa-policy/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

aaa-policy-list

aaa-policy-list is **JSON List** of *aaa-policy attributes*

aaa-policy-list : [

{ *aaa-policy attributes* },

{ *aaa-policy attributes* },

...

]

aaa-policy attributes

aaa-rule-list

Type: List

Refernce Object: */axapi/v3/aam/aaa-policy/{name}/aaa-rule/{index}*

name

Description Specify AAA policy name - test

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aaa-rule-list

Specification	
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *aaa-rule-list_access-list*

Type: Object

action

Description 'allow': Allow traffic that matches this rule; 'deny': Deny traffic that matches this rule;

Type: string

Supported Values: allow, deny

auth-failure-bypass

Description Forward client's request even though authentication has failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-template

Description Specify authentication template name to bind to the AAA rule

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/template*

authorize-policy

Description Specify authorization policy to bind to the AAA rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

captcha-authz-policy

Description Specify authorization policy for CAPTCHA (Authorization policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

domain-name

Description Specify domain name to bind to the AAA rule (ex: a10networks.com, www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Type: List

index

Description Specify AAA rule index

Type: number

Range: 1-256

match-encoded-uri

Description Enable URL decoding for URI matching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Specify port number for aaa-rule, default is 0 for all port numbers

Type: number

Range: 1-65535

sampling-enable

Type: List

uri

Type: List

user-agent

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aaa-rule-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_count': total_count; 'hit_count': hit_count;

Type: string

Supported Values: all, total_count, hit_deny, hit_auth, hit_bypass, failure_bypass

aaa-rule-list_uri

Specification	
Type	*list*
Block object keys	

match-type

Description 'contains': Match URI if request URI contains specified URI; 'ends-with': Match URI if request URI ends with specified URI; 'equals': Match URI if request URI equals specified URI; 'starts-with': Match URI if request URI starts with specified URI;

Type: string

Supported Values: contains, ends-with, equals, starts-with

uri-str

Description Specify URI string

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

aaa-rule-list_user-agent

Specification	
Type	*list*
Block object keys	

user-agent-match-type

Description 'contains': Match request User-Agent header if it contains specified string; 'ends-with': Match request User-Agent header if it ends with specified string; 'equals': Match request User-Agent header if it equals specified string; 'starts-with': Match request User-Agent header if it starts with specified string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

user-agent-str

Description Specify request User-Agent string

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

aaa-rule-list_host

Specification	
Type	*list*
Block object keys	

host-match-type

Description 'contains': Match HOST if request HTTP HOST header contains specified hostname; 'ends-with': Match HOST if request HTTP HOST header ends with specified hostname; 'equals': Match HOST if request HTTP HOST header equals specified hostname; 'starts-with': Match HOST if request HTTP HOST header starts with specified hostname;

Type: string

Supported Values: contains, ends-with, equals, starts-with

host-str

Description Specify URI string

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

aaa-rule-list_access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description 'ip-name': Apply an IP named access list; 'ipv6-name': Apply an IPv6 named access list;

Type: string

Supported Values: ip-name, ipv6-name

Mutual Exclusion: acl-name and acl-id are mutually exclusive

name

Description Specify Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'req': Request; 'req-reject': Request Rejected; 'req-auth': Request Matching Authentication Template; 'req-allow': Request Allowed; 'req-skip': Request Skipped; 'error': Error;

Type: string

Supported Values: all, req, req-reject, req-auth, req-bypass, req-skip, error, failure-bypass

stats data

	Counter	Size	Description
	req-bypass	8	Request Bypassed
	req	8	Request
	failure-bypass	8	Auth Failure Bypass
	req-auth	8	Request Matching Authentication Template
	req-skip	8	Request Skipped
	error	8	Error
	req-reject	8	Request Rejected

2.1.3 aam aaa-policy aaa-rule

Rules of AAA policy

aaa-rule Specification

Type	*Collection*
Object Key(s)	*index*
Collection Name	*aaa-rule-list*
Collection URI	/axapi/v3/aam/aaa-policy/{name}/aaa-rule
Element Name	aaa-rule
Element URI	/axapi/v3/aam/aaa-policy/{name}/aaa-rule/{index}
Element Attributes	aaa-rule_attributes
Statistics Data URI	/axapi/v3/aam/aaa-policy/{name}/aaa-rule/{index}/stats
Schema	`aaa-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/aaa-policy/{name}/aaa-rule

aaa-rule attributes

Create List

POST

/axapi/v3/aam/aaa-policy/{name}/aaa-rule

aaa-rule attributes

Get Object

GET

/axapi/v3/aam/aaa-policy/{name}/aaa-rule/{index}

aaa-rule attributes

Get List

GET

/axapi/v3/aam/aaa-policy/{name}/aaa-rule

aaa-rule-list

Modify Object

POST

/axapi/v3/aam/aaa-policy/{name}/aaa-rule/{index}

aaa-rule attributes

Replace Object

PUT

/axapi/v3/aam/aaa-policy/{name}/aaa-rule/{index}

aaa-rule attributes

Replace List

PUT

/axapi/v3/aam/aaa-policy/{name}/aaa-rule

aaa-rule-list

Delete Object

DELETE

/axapi/v3/aam/aaa-policy/{name}/aaa-rule/{index}

aaa-rule attributes

aaa-rule-list

aaa-rule-list is **JSON List** of *aaa-rule attributes*

```
aaa-rule-list : [
        { aaa-rule attributes },
        { aaa-rule attributes },
        ...
    ]
```

aaa-rule attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'allow': Allow traffic that matches this rule; 'deny': Deny traffic that matches this rule;

Type: string

Supported Values: allow, deny

auth-failure-bypass

Description Forward client request even though authentication has failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-template

Description Specify authentication template name to bind to the AAA rule

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/template*

authorize-policy

Description Specify authorization policy to bind to the AAA rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

captcha-authz-policy

Description Specify authorization policy for CAPTCHA (Authorization policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

domain-name

Description Specify domain name to bind to the AAA rule (ex: a10networks.com, www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Type: List

index

Description Specify AAA rule index

Type: number

Range: 1-256

match-encoded-uri

Description Enable URL decoding for URI matching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Specify port number for aaa-rule, default is 0 for all port numbers

Type: number

Range: 1-65535

sampling-enable

Type: List

uri

Type: List

user-agent

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_count': total_count; 'hit_count': hit_count;

Type: string

Supported Values: all, total_count, hit_deny, hit_auth, hit_bypass, failure_bypass

uri

Specification	
Type	*list*
Block object keys	

match-type

Description 'contains': Match URI if request URI contains specified URI; 'ends-with': Match URI if request URI ends with specified URI; 'equals': Match URI if request URI equals specified URI; 'starts-with': Match URI if request URI starts with specified URI;

Type: string

Supported Values: contains, ends-with, equals, starts-with

uri-str

Description Specify URI string

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

user-agent

Specification	
Type	*list*
Block object keys	

user-agent-match-type

Description 'contains': Match request User-Agent header if it contains specified string; 'ends-with': Match request User-Agent header if it ends with specified string; 'equals': Match request User-Agent header if it equals specified string; 'starts-with': Match request User-Agent header if it starts with specified string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

user-agent-str

Description Specify request User-Agent string

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

host

Specification	
Type	*list*
Block object keys	

host-match-type

Description 'contains': Match HOST if request HTTP HOST header contains specified hostname; 'ends-with': Match HOST if request HTTP HOST header ends with specified hostname; 'equals': Match HOST if request HTTP HOST header equals specified hostname; 'starts-with': Match HOST if request HTTP HOST header starts with specified hostname;

Type: string

Supported Values: contains, ends-with, equals, starts-with

host-str

Description Specify URI string

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description 'ip-name': Apply an IP named access list; 'ipv6-name': Apply an IPv6 named access list;

Type: string

Supported Values: ip-name, ipv6-name

Mutual Exclusion: acl-name and acl-id are mutually exclusive

name

Description Specify Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	total_count	8	total_count
	hit_auth	8	hit_auth
	hit_deny	8	hit_deny
	hit_bypass	8	hit_bypass
	fail-ure_bypass	8	failure_bypass

2.1.4 aam authentication

AAM authentication related configuration

authentication Specification

Type	*Intermediate Resource*
Element Name	authentication
Element URI	/axapi/v3/aam/authentication
Element Attributes	authentication_attributes
Schema	`authentication schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication

authentication_attributes

authentication attributes

account

Description: account is a **JSON Block**. Please see below for *account*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/account*

captcha

Description: captcha is a **JSON Block**. Please see below for *captcha*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/captcha*

file

Description: file is a **JSON Block**. Please see below for *file*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/file*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/global*

jwks

Description: jwks is a **JSON Block**. Please see below for *jwks*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/jwks*

jwt-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/jwt/{name}*

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/log*

logon

Description: logon is a **JSON Block**. Please see below for *logon*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/logon*

oauth

Description: oauth is a **JSON Block**. Please see below for *oauth*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/oauth*

password-retry

Description: password-retry is a **JSON Block**. Please see below for *password-retry*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/password-retry*

portal-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/portal/{name}*

relay

Description: relay is a **JSON Block**. Please see below for *relay*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay*

saml

Description: saml is a **JSON Block**. Please see below for *saml*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml*

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server*

service-group-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/service-group/{name}*

session

Description: session is a **JSON Block**. Please see below for *session*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/session*

session-attr

Description: session-attr is a **JSON Block**. Please see below for *session-attr*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/session-attr*

template-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/template/{name}*

jwt-list

Specification	
Type	*list*
Block object keys	

action

Description 'redirect': redirect JWT to specific URI; 'relay': relay JWT to back-end;

Type: string

Supported Values: redirect, relay

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

issuer

Description Specify JWT issuer claim value

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

jwt-relay-uri

Description Specify JWT relay URI (for relay action)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

name

Description Specify JWT issuer template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-string

Description The JWT signature secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

signature-secret

Description Specify the JWT signature secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

token-lifetime

Description Specify JWT token lifetime (Specify lifetime (in seconds), default is 300.)

Type: number

Range: 0-86400

Default: 300

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

account

Specification	
Type	*object*

kerberos-spn-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/account/kerberos-spn/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

account_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response;

Type: string

Supported Values: all, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other

account_kerberos-spn-list

Specification	
Type	*list*
Block object keys	

account

Description Specify domain account for SPN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.)

name

Description Specify AD account name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of domain account

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

realm

Description Specify Kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-string

Description Password of AD account

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

service-principal-name

Description Specify service principal name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

portal-list

Specification	
Type	*list*
Block object keys	

change-password

Description: change-password is a **JSON Block**. Please see below for *portal-list_change-password*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/change-password*

logo-cfg

Description: logo-cfg is a **JSON Block**. Please see below for *portal-list_logo-cfg*

Type: Object

logon

Description: logon is a **JSON Block**. Please see below for *portal-list_logon*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/logon*

logon-fail

Description: logon-fail is a **JSON Block**. Please see below for *portal-list_logon-fail*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/logon-fail*

name

Description 'default-portal': Default portal configuration;

Type: string

Supported Values: default-portal

notify-change-password

Description: notify-change-password is a **JSON Block**. Please see below for *portal-list_notify-change-password*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/notify-change-password*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

portal-list_logon-fail

Specification	
Type	*object*

background

Description: background is a **JSON Block**. Please see below for *portal-list_logon-fail_background*

Type: Object

fail-msg-cfg

Description: fail-msg-cfg is a **JSON Block**. Please see below for *portal-list_logon-fail_fail-msg-cfg*

Type: Object

title-cfg

Description: title-cfg is a **JSON Block**. Please see below for *portal-list_logon-fail_title-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

portal-list_logon-fail_fail-msg-cfg

Specification	
Type	*object*

fail-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: fail-color-name and fail-color-value are mutually exclusive

fail-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: fail-color-value and fail-color-name are mutually exclusive

fail-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: fail-face and fail-font-custom are mutually exclusive

fail-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fail-font-custom and fail-face are mutually exclusive

fail-msg

Description Configure logon failure message in default logon fail page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

fail-text

Description Specify logon failure message (Default: Login Failed!!)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_logon-fail_title-cfg

Specification	
Type	*object*

title

Description Configure title in default logon fail page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

title-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: title-color-name and title-color-value are mutually exclusive

title-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: title-color-value and title-color-name are mutually exclusive

title-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: title-face and title-font-custom are mutually exclusive

title-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: title-font-custom and title-face are mutually exclusive

title-size

Description Specify font size

Type: number

Range: 1-7

Default: 5

title-text

Description Specify title (Default: Try Too Many Times)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_logon-fail_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

portal-list_logo-cfg

Specification	
Type	*object*

height

Description Specify logo image height

Type: number

Range: 50-400

Default: 71

logo

Description Specify logo image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

width

Description Specify logo image width

Type: number

Range: 50-400

Default: 134

portal-list_notify-change-password

Specification	
Type	*object*

background

Description: background is a **JSON Block**. Please see below for *portal-list_notify-change-password_background*

Type: Object

cfm-pwd-cfg

Description: cfm-pwd-cfg is a **JSON Block**. Please see below for *portal-list_notify-change-password_cfm-pwd-cfg*

Type: Object

change-text

Description Specify change button text in default change password notification page (Default: Change)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

change-url

Description Specify change password action URL in default change password notification page (Default: /notify_change.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password-var

Description Specify confirm password variable name in default change password notification page (Default: cp_cfm_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

continue-text

Description Specify continue button text in default change password notification page (Default: Continue)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

continue-url

Description Specify continue action URL in default change password notification page (Default: /continue.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-password-var

Description Specify new password variable name in default change password notification page (Default: cp_new_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pwd-cfg

Description: new-pwd-cfg is a **JSON Block**. Please see below for *portal-list_notify-change-password_new-pwd-cfg*

Type: Object

old-password-var

Description Specify old password variable name in default change password notification page (Default: cp_old_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Description: old-pwd-cfg is a **JSON Block**. Please see below for *portal-list_notify-change-password_old-pwd-cfg*

Type: Object

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *portal-list_notify-change-password_username-cfg*

Type: Object

username-var

Description Specify username variable name in default change password notification page (Default: cp_usr)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

portal-list_notify-change-password_new-pwd-cfg

Specification	
Type	*object*

new-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: new-color-name and new-color-value are mutually exclusive

new-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: new-color-value and new-color-name are mutually exclusive

new-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: new-face and new-font-custom are mutually exclusive

new-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-font-custom and new-face are mutually exclusive

new-password

Description Configure new password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

new-text

Description Specify new password text (Default: New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_notify-change-password_old-pwd-cfg

Specification	
Type	*object*

old-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: old-color-name and old-color-value are mutually exclusive

old-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: old-color-value and old-color-name are mutually exclusive

old-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: old-face and old-font-custom are mutually exclusive

old-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: old-font-custom and old-face are mutually exclusive

old-password

Description Configure old password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

old-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

old-text

Description Specify old password text (Default: Old Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_notify-change-password_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

portal-list_notify-change-password_cfm-pwd-cfg

Specification	
Type	*object*

cfm-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: cfm-color-name and cfm-color-value are mutually exclusive

cfm-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: cfm-color-value and cfm-color-name are mutually exclusive

cfm-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: cfm-face and cfm-font-custom are mutually exclusive

cfm-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: cfm-font-custom and cfm-face are mutually exclusive

cfm-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

cfm-text

Description Specify confirm password text (Default: Confirm New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password

Description Configure confirm password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

portal-list_notify-change-password_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: Username)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

portal-list_logon

Specification	
Type	*object*

action-url

Description Specify form action URL in default logon page (Default: /logon.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Description: background is a **JSON Block**. Please see below for *portal-list_logon_background*

Type: Object

captcha-type

Description 'reCAPTCHAv2-checkbox': Google reCAPTCHAv2 Checkbox; 'reCAPTCHAv2-invisible': Google reCAPTCHAv2 Invisible; 'reCAPTCHAv3': Google reCAPTCHAv3;

Type: string

Supported Values: reCAPTCHAv2-checkbox, reCAPTCHAv2-invisible, reCAPTCHAv3

enable-CAPTCHA

Description Enable CAPTCHA in deafult logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-passcode

Description Enable passcode field in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

fail-msg-cfg

Description: fail-msg-cfg is a **JSON Block**. Please see below for *portal-list_logon_fail-msg-cfg*

Type: Object

passcode-cfg

Description: passcode-cfg is a **JSON Block**. Please see below for *portal-list_logon_passcode-cfg*

Type: Object

passcode-var

Description Specify passcode variable name in default logon page (Default: passcode)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-cfg

Description: password-cfg is a **JSON Block**. Please see below for *portal-list_logon_password-cfg*

Type: Object

password-var

Description Specify password variable name in default logon page (Default: pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

reCAPTCHA-cfg

Description: reCAPTCHA-cfg is a **JSON Block**. Please see below for *portal-list_logon_reCAPTCHA-cfg*

Type: Object

site-key-string

Description Site key string

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

submit-text

Description Specify submit button text in default logon page (Default: Log In)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *portal-list_logon_username-cfg*

Type: Object

username-var

Description Specify username variable name in default logon page (Default: user)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

portal-list_logon_passcode-cfg

Specification	
Type	*object*

passcode

Description Configure passcode text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passcode-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

passcode-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: passcode-color-name and passcode-color-value are mutually exclusive

passcode-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: passcode-color-value and passcode-color-name are mutually exclusive

passcode-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: passcode-face and passcode-font-custom are mutually exclusive

passcode-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

passcode-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: passcode-font-custom and passcode-face are mutually exclusive

passcode-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

passcode-text

Description Specify passcode text (Default: Passcode)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_logon_reCAPTCHA-cfg

Specification	
Type	*object*

reCAPTCHA-action

Description Specify reCAPTCHA action (Specify action string, only accept alphanumeric, underscore, and slash (Default: A10_DEFAULT_LOGON))

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: A10_DEFAULT_LOGON

reCAPTCHA-badge

Description 'bottom-left': bottom left corner; 'bottom-right': bottom right corner;

Type: string

Supported Values: bottom-left, bottom-right

Default: bottom-right

reCAPTCHA-size

Description 'normal': normal size; 'compact': compact size;

Type: string

Supported Values: normal, compact

Default: normal

reCAPTCHA-theme

Description 'light': light theme; 'dark': dark theme;

Type: string

Supported Values: light, dark

Default: light

portal-list_logon_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

portal-list_logon_fail-msg-cfg

Specification	
Type	*object*

authz-fail-msg

Description Configure authorization failure message in default logon page, its text attributes follow fail-msg's (Specify authorization failure message (Default: Authorization failed. Please contact your system administrator.))

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

fail-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: red

Mutual Exclusion: fail-color-name and fail-color-value are mutually exclusive

fail-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: fail-color-value and fail-color-name are mutually exclusive

fail-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: fail-face and fail-font-custom are mutually exclusive

fail-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fail-font-custom and fail-face are mutually exclusive

fail-msg

Description Configure login failure message in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-size

Description Specify font size

Type: number

Range: 1-7

Default: 5

fail-text

Description Specify login failure message (Default: Invalid username or password. Please try again.)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_logon_password-cfg

Specification	
Type	*object*

pass-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

pass-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: pass-color-name and pass-color-value are mutually exclusive

pass-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: pass-color-value and pass-color-name are mutually exclusive

pass-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: pass-face and pass-font-custom are mutually exclusive

pass-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

pass-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pass-font-custom and pass-face are mutually exclusive

pass-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

pass-text

Description Specify password text (Default: Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Configure password text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

portal-list_logon_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: User Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

portal-list_change-password

Specification	
Type	*object*

action-url

Description Specify form action URL in default change password page (Default: /change.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Description: background is a **JSON Block**. Please see below for *portal-list_change-password_background*

Type: Object

cfm-pwd-cfg

Description: cfm-pwd-cfg is a **JSON Block**. Please see below for *portal-list_change-password_cfm-pwd-cfg*

Type: Object

confirm-password-var

Description Specify confirm password variable name in default change password page (Default: cp_cfm_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-password-var

Description Specify new password variable name in default change password page (Default: cp_new_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pwd-cfg

Description: new-pwd-cfg is a **JSON Block**. Please see below for *portal-list_change-password_new-pwd-cfg*

Type: Object

old-password-var

Description Specify old password variable name in default change password page (Default: cp_old_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Description: old-pwd-cfg is a **JSON Block**. Please see below for *portal-list_change-password_old-pwd-cfg*

Type: Object

reset-text

Description Specify reset button text in default change password page (Default: Reset)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

submit-text

Description Specify submit button text in default change password page (Default: Submit)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

title-cfg

Description: title-cfg is a **JSON Block**. Please see below for *portal-list_change-password_title-cfg*

Type: Object

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *portal-list_change-password_username-cfg*

Type: Object

username-var

Description Specify username variable name in default change password page (Default: cp_usr)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

portal-list_change-password_new-pwd-cfg

Specification	
Type	*object*

new-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: new-color-name and new-color-value are mutually exclusive

new-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: new-color-value and new-color-name are mutually exclusive

new-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: new-face and new-font-custom are mutually exclusive

new-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-font-custom and new-face are mutually exclusive

new-password

Description Configure new password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

new-text

Description Specify new password text (Default: New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_change-password_title-cfg

Specification	
Type	*object*

title

Description Configure title in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

title-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: title-color-name and title-color-value are mutually exclusive

title-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: title-color-value and title-color-name are mutually exclusive

title-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: title-face and title-font-custom are mutually exclusive

title-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: title-font-custom and title-face are mutually exclusive

title-size

Description Specify font size

Type: number

Range: 1-7

Default: 5

title-text

Description Specify title (Default: Please Change Your Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_change-password_old-pwd-cfg

Specification	
Type	*object*

old-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: old-color-name and old-color-value are mutually exclusive

old-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: old-color-value and old-color-name are mutually exclusive

old-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: old-face and old-font-custom are mutually exclusive

old-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: old-font-custom and old-face are mutually exclusive

old-password

Description Configure old password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

old-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

old-text

Description Specify old password text (Default: Old Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-list_change-password_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

portal-list_change-password_cfm-pwd-cfg

Specification	
Type	*object*

cfm-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: cfm-color-name and cfm-color-value are mutually exclusive

cfm-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: cfm-color-value and cfm-color-name are mutually exclusive

cfm-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: cfm-face and cfm-font-custom are mutually exclusive

cfm-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: cfm-font-custom and cfm-face are mutually exclusive

cfm-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

cfm-text

Description Specify confirm password text (Default: Confirm New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password

Description Configure confirm password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

portal-list_change-password_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: Username)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Specification	
Type	*object*

enable

Description Enable authentication logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

facility

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use;

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'syslog': Syslog Format (default); 'cef': Common Event Format;

Type: string

Supported Values: syslog, cef

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

relay

Specification	
Type	*object*

form-based

Description: form-based is a **JSON Block**. Please see below for *relay_form-based*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/form-based*

http-basic

Description: http-basic is a **JSON Block**. Please see below for *relay_http-basic*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic*

kerberos

Description: kerberos is a **JSON Block**. Please see below for *relay_kerberos*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/kerberos*

ntlm-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/ntlm/{name}*

oauth-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/oauth/{name}*

saml-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/saml/{name}*

ws-federation-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/ws-federation/{name}*

relay_ntlm-list

Specification	
Type	*list*
Block object keys	

domain

Description Specify NTLM domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-request-disable

Description Disable NTLM relay processing for large requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify NTLM authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description Specify NTLM version, default is NTLM 2

Type: number

Range: 1-2

Default: 2

relay_ntlm-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'failure': Failure; 'request': Request; 'response': Response; 'http-code-200': HTTP 200 OK; 'http-code-400': HTTP 400 Bad Request; 'http-code-401': HTTP 401 Unauthorized; 'http-code-403': HTTP 403 Forbidden; 'http-code-404': HTTP 404 Not Found; 'http-code-500': HTTP 500 Internal Server Error; 'http-code-503': HTTP 503 Service Unavailable; 'http-code-other': Other HTTP Response; 'buffer-alloc-fail': Buffer Allocation Failure; 'encoding-fail': Encoding Failure; 'insert-header-fail': Insert Header Failure; 'parse-header-fail': Parse Header Failure; 'internal-error': Internal Error;

Type: string

Supported Values: all, success, failure, request, response, http-code-200, http-code-400, http-code-401, http-code-403, http-code-404, http-code-500, http-code-503, http-code-other, buffer-alloc-fail, encoding-fail, insert-header-fail, parse-header-fail, internal-error, ntlm-auth-skipped, large-request-processing, large-request-flushed, head-negotiate-request-sent, head-auth-request-sent

relay_form-based

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}*

relay_form-based_instance-list

Specification	
Type	*list*
Block object keys	

name

Description Specify form-based authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl*

request-uri-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

relay_form-based_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'invalid_srv_rsp': Invalid Server Response; 'post_fail': POST Failed; 'invalid_cred': Invalid Credential; 'bad_req': Bad Request; 'not_fnd': Not Found; 'error': Internal Server Error; 'other_error': Other Error;

Type: string

Supported Values: all, request, invalid_srv_rsp, post_fail, invalid_cred, bad_req, not_fnd, error, other_error

relay_form-based_instance-list_request-uri-list

Specification	
Type	*list*
Block object keys	

action-uri

Description Specify the action-URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cookie

Description: cookie is a **JSON Block**. Please see below for *relay_form-based_instance-list_request-uri-list_cookie*

Type: Object

domain-variable

Description Specify domain variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

max-packet-collect-size

Description Specify the max packet collection size in bytes, default is 1MB

Type: number

Range: 1024-2097152

Default: 1048576

other-variables

Description Specify other variables (n1=v1&n2=v2) in form relay

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uri

Description Specify request URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-variable

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

relay_form-based_instance-list_request-uri-list_cookie

Specification	
Type	*object*

cookie-value

Description: cookie-value is a **JSON Block**. Please see below for *relay_form-based_instance-list_request-uri-list_cookie_cookie-value*

Type: Object

relay_form-based_instance-list_request-uri-list_cookie_cookie-value

Specification	
Type	*object*

cookie-value

Description Specify cookie in POST packet

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

relay_ws-federation-list

Specification	
Type	*list*
Block object keys	

application-server

Description 'sharepoint': Microsoft SharePoint; 'exchange-owa': Microsoft Exchange OWA;

Type: string

Supported Values: sharepoint, exchange-owa

authentication-uri

Description Specify WS-Federation relay URI, default is /_trust/

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify WS-Federation authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

relay_ws-federation-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'success': Success; 'failure': Failure;

Type: string

Supported Values: all, request, success, failure

relay_oauth-list

Specification	
Type	*list*
Block object keys	

all

Description All URI can be relay

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and match-type are mutually exclusive

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

Mutual Exclusion: match-type and all are mutually exclusive

match-uri

Description

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description Specify oauth authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

relay-type

Description 'access-token': Relay access token to backend; 'id-token': Relay JWT to backend;

Type: string

Supported Values: access-token, id-token

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

relay_oauth-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'relay-req': relay-req; 'relay-succ': relay-succ; 'relay-fail': relay-fail;

Type: string

Supported Values: all, relay-req, relay-succ, relay-fail

relay_saml-list

Specification	
Type	*list*
Block object keys	

idp-auth-uri

Description Specify the URI for IDP to handle SAML authentication request

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

match-uri

Description Match URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method

Description 'get-from-backend': Get RelayState parameter from backend server; 'request-uri': Use the (URL encoded) current request-uri as the RelayState;

Type: string

Supported Values: get-from-backend, request-uri

Mutual Exclusion: method and value are mutually exclusive

name

Description Specify SAML authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

relay-acs-uri

Description Specify the backend server assertion consuming service URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

retry-number

Description Specify how many continuous fail for SAML relay will trigger. Default will not retry.

Type: number

Range: 0-10

Default: 0

sampling-enable

Type: List

server-cookie-name

Description Specify the cookie name that used by backend server for authenticated users

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Use the fixed string as the RelayState

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: value and method are mutually exclusive

relay_saml-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'success': Success; 'failure': Failure; 'error': Error;

Type: string

Supported Values: all, request, success, failure, error

relay_kerberos

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/kerberos/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

relay_kerberos_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Total Request Send; 'response-get': Total Response Get; 'timeout-error': Total Timeout; 'other-error': Total Other Error; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error;

Type: string

Supported Values: all, request-send, response-get, timeout-error, other-error, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error

relay_kerberos_instance-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

kerberos-account

Description Specify the kerberos account name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kerberos-kdc

Description Specify the kerberos kdc ip or host name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc and kerberos-kdc-service-group are mutually exclusive

kerberos-kdc-service-group

Description Specify an authentication service group as multiple KDCs

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc-service-group and kerberos-kdc are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

kerberos-realm

Description Specify the kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify Kerberos authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of Kerberos password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Specify The KDC port, default is 88

Type: number

Range: 1-65535

Default: 88

sampling-enable

Type: List

secret-string

Description The kerberos client password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

timeout

Description Specify timeout for kerberos transport, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

relay_kerberos_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Request Send; 'response-receive': Response Receive; 'current-requests-of-user': Current Pending Requests of User; 'tickets': Tickets;

Type: string

Supported Values: all, request-send, response-receive, current-requests-of-user, tickets

relay_http-basic

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic/instance/{name}*

relay_http-basic_instance-list

Specification	
Type	*list*
Block object keys	

domain

Description Specify user domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-format

Description 'user-principal-name': Append domain with User Principal Name format. (e.g. user@domain); 'down-level-logon-name': Append domain with Down-Level Logon Name format. (e.g. domainuser);

Type: string

Supported Values: user-principal-name, down-level-logon-name

Default: down-level-logon-name

name

Description Specify HTTP basic authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

relay_http-basic_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'no-creds': No Credential; 'bad-req': Bad Request; 'unauth': Unauthorized; 'forbidden': Forbidden; 'not-found': Not Found; 'server-error': Internal Server Error; 'unavailable': Service Unavailable;

Type: string

Supported Values: all, success, no-creds, bad-req, unauth, forbidden, not-found, server-error, unavailable

jwks

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-attr

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logon

Specification	
Type	*object*

form-based-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/logon/form-based/{name}*

http-authenticate

Description: http-authenticate is a **JSON Block**. Please see below for *logon_http-authenticate*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/logon/http-authenticate*

logon_form-based-list

Specification	
Type	*list*
Block object keys	

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

challenge-variable

Description Specify challenge variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-page-cfg

Description: cp-page-cfg is a **JSON Block**. Please see below for *logon_form-based-list_cp-page-cfg*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

logon-page-cfg

Description: logon-page-cfg is a **JSON Block**. Please see below for *logon_form-based-list_logon-page-cfg*

Type: Object

name

Description Specify form-based authentication logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-variable

Description Specify new-pin variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

notify-cp-page-cfg

Description: notify-cp-page-cfg is a **JSON Block**. Please see below for *logon_form-based-list_notify-cp-page-cfg*

Type: Object

portal

Description: portal is a **JSON Block**. Please see below for *logon_form-based-list_portal*

Type: Object

retry

Description Specify max. number of failure retry (Specify retry count (1 ~ 32), default is 3)

Type: number

Range: 1-32

Default: 3

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logon_form-based-list_notify-cp-page-cfg

Specification	
Type	*object*

notifychangepassword-change-url

Description Specify change password action url for notifychangepassword form

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

notifychangepassword-continue-url

Description Specify continue action url for notifychangepassword form

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

logon_form-based-list_portal

Specification	
Type	*object*

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page new-pin-page and next-token-page are mutually exclusive

changepasswordpage

Description Specify change password page name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

default-portal

Description Use default portal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-portal and portal-name are mutually exclusive

failpage

Description Specify logon fail page name (portal fail page name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon

Description Specify logon page name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

next-token-page

Description Specify next token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: next-token-page and challenge-page are mutually exclusive

notifychangepasswordpage

Description Specify change password notification page name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-name

Description Specify portal name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: portal-name and default-portal are mutually exclusive

logon_form-based-list_logon-page-cfg

Specification	
Type	*object*

action-url

Description Specify form submission action url

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

authz-failure-message

Description Specify authorization failure message shown in logon page (Specify error string, default is "Authorization failed. Please contact your system administrator.")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

captcha-variable

Description Specify captcha variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

disable-change-password-link

Description Don't display change password link on logon page forcibly even backend authentication server supports it (LDAP or Kerberos)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

login-failure-message

Description Specify login failure message shown in logon page (Specify error string, default is "Invalid username or password. Please try again.")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passcode-variable

Description Specify passcode variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username-variable

Description Specify username variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon_form-based-list_cp-page-cfg

Specification	
Type	*object*

changepassword-url

Description Specify changepassword form submission action url (changepassword action url)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cp-cfm-pwd-enum

Description 'changepassword-password-confirm-variable': Specify password confirm variable name in form submission;

Type: string

Supported Values: changepassword-password-confirm-variable

cp-cfm-pwd-var

Description Specify password confirm variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-new-pwd-enum

Description 'changepassword-new-password-variable': Specify new password variable name in form submission;

Type: string

Supported Values: changepassword-new-password-variable

cp-new-pwd-var

Description Specify new password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-old-pwd-enum

Description 'changepassword-old-password-variable': Specify old password variable name in form submission;

Type: string

Supported Values: changepassword-old-password-variable

cp-old-pwd-var

Description Specify old password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-user-enum

Description 'changepassword-username-variable': Specify username variable name in form submission;

Type: string

Supported Values: changepassword-username-variable

cp-user-var

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon_http-authenticate

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}*

logon_http-authenticate_instance-list

Specification	
Type	*list*
Block object keys	

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-method

Description: auth-method is a **JSON Block**. Please see below for *logon_http-authenticate_instance-list_auth-method*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

name

Description Specify HTTP-Authenticate logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl*

retry

Description Specify max. number of failure retry (1 ~ 32), default is 3

Type: number

Range: 1-32

Default: 3

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logon_http-authenticate_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spn_krb_request': SPN Kerberos Request; 'spn_krb_success': SPN Kerberos Success; 'spn_krb_faiure': SPN Kerberos Failure;

Type: string

Supported Values: all, spn_krb_request, spn_krb_success, spn_krb_faiure

logon_http-authenticate_instance-list_auth-method

Specification	
Type	*object*

basic

Description: basic is a **JSON Block**. Please see below for *logon_http-authenticate_instance-list_auth-method_basic*

Type: Object

negotiate

Description: negotiate is a **JSON Block**. Please see below for *logon_http-authenticate_instance-list_auth-method_negotiate*

Type: Object

ntlm

Description: ntlm is a **JSON Block**. Please see below for *logon_http-authenticate_instance-list_auth-method_ntlm*

Type: Object

logon_http-authenticate_instance-list_auth-method_ntlm

Specification	
Type	*object*

ntlm-enable

Description Enable NTLM logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logon_http-authenticate_instance-list_auth-method_negotiate

Specification	
Type	*object*

negotiate-enable

Description Enable SPENGO logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logon_http-authenticate_instance-list_auth-method_basic

Specification	
Type	*object*

basic-enable

Description Enable Basic logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-realm

Description Specify realm for basic logon

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page and new-pin-page are mutually exclusive

challenge-response-form

Description Specify challenge-response form for RSA-RADIUS authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-variable

Description Specify challenge variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

new-pin-variable

Description Specify new PIN variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-page

Description Specify next-token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group-list

Specification	
Type	*list*
Block object keys	

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

lb-method

Description 'round-robin': Round robin on server level;

Type: string

Supported Values: round-robin

member-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}*

name

Description Specify AAM service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl*

protocol

Description 'tcp': TCP AAM service; 'udp': UDP AAM service;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Drops due to Service selection failure; 'server_selection_fail_reset': Resets sent out for Service selection failure; 'service_peak_conn': Peak connection count for the Service Group; 'service_healthy_host': Service Group healthy host count; 'service_unhealthy_host': Service Group unhealthy host count; 'service_req_count': Service Group request count; 'service_resp_count': Service Group response count; 'service_resp_2xx': Service Group response 2xx count; 'service_resp_3xx': Service Group response 3xx count; 'service_resp_4xx': Service Group response 4xx count; 'service_resp_5xx': Service Group response 5xx count; 'service_curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn, service_healthy_host, service_unhealthy_host, service_req_count, service_resp_count, service_resp_2xx, service_resp_3xx, service_resp_4xx, service_resp_5xx, service_curr_conn_overflow

service-group-list_member-list

Specification	
Type	*list*
Block object keys	

member-priority

Description Priority of Port in the Group

Type: number

Range: 1-16

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port;

Type: string

Supported Values: enable, disable

Default: enable

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Default: 65534

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total established connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': peak_conn; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow

global

Specification	
Type	*object*

max-auth-resp-size

Description Specify the max auth resp size in bytes(from authd to a10lb), default is 64KB

Type: number

Range: 2048-131072

Default: 65536

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'requests': Total Authentication Request; 'responses': Total Authentication Response; 'misses': Total Authentication Request Missed; 'ocsp-stapling-requests-to-a10authd': Total OCSP Stapling Request; 'ocsp-stapling-responses-from-a10authd': Total OCSP Stapling Response; 'opened-socket': Total AAM Socket Opened; 'open-socket-failed': Total AAM Open Socket Failed; 'connect': Total AAM Connection; 'connect-failed': Total AAM Connect Failed; 'created-timer': Total AAM Timer Created; 'create-timer-failed': Total AAM Timer Creation Failed; 'total-request': Total Request Received by A10 Auth Service; 'get-socket-option-failed': Total AAM Get Socket Option Failed; 'aflex-authz-succ': Total Authorization success number in aFleX; 'aflex-authz-fail': Total Authorization failure number in aFleX;

Type: string

Supported Values: all, requests, responses, misses, ocsp-stapling-requests-to-a10authd, ocsp-stapling-responses-from-a10authd, opened-socket, open-socket-failed, connect, connect-failed, created-timer, create-timer-failed, total-request, get-socket-option-failed, aflex-authz-succ, aflex-authz-fail, authn-success, authn-failure, authz-success, authz-failure, active-session, active-user, dns-resolve-failed

saml

Specification	
Type	*object*

global

Description: global is a **JSON Block**. Please see below for *saml_global*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/global*

identity-provider-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/saml/identity-provider/{name}*

metadata

Description: metadata is a **JSON Block**. Please see below for *saml_metadata*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/metadata*

metadata-monitor

Description: metadata-monitor is a **JSON Block**. Please see below for *saml_metadata-monitor*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/metadata-monitor*

service-provider-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/saml/service-provider/{name}*

session

Description: session is a **JSON Block**. Please see below for *saml_session*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/session*

saml_service-provider-list

Specification	
Type	*list*
Block object keys	

SP-initiated-single-logout-service

Type: List

acs-uri-bypass

Description After user authenticated, bypass requests with assertion-consuming-service location URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adfs-ws-federation

Description: adfs-ws-federation is a **JSON Block**. Please see below for *saml_service-provider-list_adfs-ws-federation*

Type: Object

artifact-resolution-service

Type: List

assertion-consuming-service

Type: List

bad-request-redirect-url

Description Specify URL to redirect

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

certificate

Description SAML service provider certificate file (PFX format is required.)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

entity-id

Description SAML service provider entity ID

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

metadata-export-service

Description: metadata-export-service is a **JSON Block**. Please see below for *saml_service-provider-list_metadata-export-service*

Type: Object

name

Description Specify SAML authentication service provider name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl*

require-assertion-signed

Description: require-assertion-signed is a **JSON Block**. Please see below for *saml_service-provider-list_require-assertion-signed*

Type: Object

saml-request-signed

Description: saml-request-signed is a **JSON Block**. Please see below for *saml_service-provider-list_saml-request-signed*

Type: Object

sampling-enable

Type: List

service-url

Description SAML service provider service URL (ex. https://www.a10networks.com/saml.sso)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

signature-algorithm

Description 'SHA1': use SHA1 as signature algorithm (default); 'SHA256': use SHA256 as signature algorithm;

Type: string

Supported Values: SHA1, SHA256

Default: SHA1

single-logout-service

Type: List

soap-tls-certificate-validate

Description: soap-tls-certificate-validate is a **JSON Block**. Please see below for *saml_service-provider-list_soap-tls-certificate-validate*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

saml_service-provider-list_require-assertion-signed

Specification	
Type	*object*

require-assertion-signed-enable

Description Enable required signing of SAML assertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml_service-provider-list_single-logout-service

Specification	
Type	*list*
Block object keys	

SLO-binding

Description 'post': POST binding of single logout service; 'redirect': Redirect binding of single logout service; 'soap': SOAP binding of single logout service;

Type: string

Supported Values: post, redirect, soap

SLO-location

Description The location of name-id management service. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

saml_service-provider-list_assertion-consuming-service

Specification	
Type	*list*
Block object keys	

assertion-binding

Description 'artifact': Artifact binding of assertion consuming service; 'paos': PAOS binding of assertion consuming service; 'post': POST binding of assertion consuming service;

Type: string

Supported Values: artifact, paos, post

assertion-index

Description The index of assertion consuming service

Type: number

Range: 0-5

assertion-location

Description The location of assertion consuming service endpoint. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

saml_service-provider-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sp-metadata-export-req': Metadata Export Request; 'sp-metadata-export-success': Metadata Export Success; 'login-auth-req': Login Authentication Request; 'login-auth-resp': Login Authentication Response; 'acs-req': SAML Single-Sign-On Request; 'acs-success': SAML Single-Sign-On Success; 'acs-authz-fail': SAML Single-Sign-On Authorization Fail; 'acs-error': SAML Single-Sign-On Error; 'slo-req': Single Logout Request;

'slo-success': Single Logout Success; 'slo-error': Single Logout Error; 'other-error': Other Error;

Type: string

Supported Values: all, sp-metadata-export-req, sp-metadata-export-success, login-auth-req, login-auth-resp, acs-req, acs-success, acs-authz-fail, acs-error, slo-req, slo-success, slo-error, sp-slo-req, glo-slo-success, loc-slo-success, par-slo-success, other-error

saml_service-provider-list_saml-request-signed

Specification	
Type	*object*

saml-request-signed-disable

Description Disable signing signature for SAML (Authn/Artifact Resolve) requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml_service-provider-list_SP-initiated-single-logout-service

Specification	
Type	*list*
Block object keys	

SP-SLO-location

Description The location of SP-initiated single logout service endpoint. (ex. /Logout)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

asynchronous

Description the IDP will not send a logout response to AX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml_service-provider-list_adfs-ws-federation

Specification	
Type	*object*

ws-federation-enable

Description Enable ADFS WS-Federation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml_service-provider-list_soap-tls-certificate-validate

Specification	
Type	*object*

soap-tls-certificate-validate-disable

Description Disable verification for server certificate in TLS session when resolving artificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml_service-provider-list_artifact-resolution-service

Specification	
Type	*list*
Block object keys	

artifact-binding

Description 'soap': SOAP binding of artifact resolution service;

Type: string

Supported Values: soap

artifact-index

Description The index of artifact resolution service

Type: number

Range: 0-5

artifact-location

Description The location of artifact resolution service. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

saml_service-provider-list_metadata-export-service

Specification	
Type	*object*

md-export-location

Description Specify the URI to export SP metadata (Export URI. Default is /A10SP_Metadata)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sign-xml

Description Sign exported SP metadata XML with SP's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml_identity-provider-list

Specification	
Type	*list*
Block object keys	

metadata

Description URL of SAML identity provider's metadata file

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description SAML authentication identity provider name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

reload-interval

Description Specify URI metadata reload period (Specify URI metadata reload period in seconds, default is 28800)

Type: number

Range: 1-86400

Default: 28800

reload-metadata

Description Reload IdP's metadata immediately

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

saml_global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

saml_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'requests-to-a10saml': Total Request to A10 SAML Service; 'responses-from-a10saml': Total Response from A10 SAML Service; 'sp-metadata-export-req': Total Metadata Export Request; 'sp-metadata-export-success': Toal Metadata Export Success; 'login-auth-req': Total Login Authentication Request; 'login-auth-resp': Total Login Authentication Response; 'acs-req': Total SAML Single-Sign-On Request; 'acs-success': Total SAML Single-Sign-On Success; 'acs-authz-fail': Total SAML Single-Sign-On Authorization Fail; 'acs-error': Total SAML Single-Sign-On Error; 'slo-req': Total Single Logout Request; 'slo-success': Total Single Logout Success; 'slo-error': Total Single Logout Error; 'other-error': Total Other Error;

Type: string

Supported Values: all, requests-to-a10saml, responses-from-a10saml, sp-metadata-export-req, sp-metadata-export-success, login-auth-req, login-auth-resp, acs-req, acs-success, acs-authz-fail, acs-error, slo-req, slo-success, slo-error, sp-slo-req, glo-slo-success, loc-slo-success, par-slo-success, relay-req, relay-success, relay-fail, relay-error, other-error

saml_session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

saml_metadata-monitor

Specification	
Type	*object*

acs-continuous-fail-threshold

Description Specify how many ACS continuous fails will trigger metadata reload (ACS continuous fail threshold (default: 10))

Type: number

Range: 2-254

acs-missing-period

Description Specify how long no acs request will trigger metadata reload (in seconds (default: 60))

Type: number

Range: 1-254

acs-missing-threshold

Description Specify how many ACS request missing in the period will trigger metadata reload (ACS request missing threshold (default: 100))

Type: number

Range: 10-254

status

Description 'enable': Enable SAML metadata out-of-sync detection; 'disable': Disable SAML metadata out-of-sync detection;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

saml_metadata

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server

Specification	
Type	*object*

ldap

Description: ldap is a **JSON Block**. Please see below for *server_ldap*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

ocsp

Description: ocsp is a **JSON Block**. Please see below for *server_ocsp*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

radius

Description: radius is a **JSON Block**. Please see below for *server_radius*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/radius*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

windows

Description: windows is a **JSON Block**. Please see below for *server_windows*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/windows*

server_windows

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/windows/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_windows_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'kerberos-request-send': Total Kerberos Request; 'kerberos-response-get': Total Kerberos Response; 'kerberos-timeout-error': Total Kerberos Timeout; 'kerberos-other-error': Total Kerberos Other Error; 'ntlm-authentication-success': Total NTLM Authentication Success; 'ntlm-authentication-failure': Total NTLM Authentication Failure; 'ntlm-proto-negotiation-success': Total NTLM Protocol Negotiation Success; 'ntlm-proto-negotiation-failure': Total NTLM Protocol Negotiation Failure; 'ntlm-session-setup-success': Total NTLM Session Setup Success; 'ntlm-session-setup-failed': Total NTLM Session Setup Failure; 'kerberos-request-normal': Total Kerberos Normal Request; 'kerberos-request-dropped': Total Kerberos Dropped Request; 'kerberos-response-success': Total Kerberos Success Response; 'kerberos-response-failure': Total Kerberos Failure Response; 'kerberos-response-error': Total Kerberos Error Response; 'kerberos-response-timeout': Total Kerberos Timeout Response; 'kerberos-response-other': Total Kerberos Other Response; 'kerberos-job-start-error': Total Kerberos Job Start Error; 'kerberos-polling-control-error': Total Kerberos Polling Control Error; 'ntlm-prepare-req-success': Total NTLM Prepare Request Success; 'ntlm-prepare-req-failed': Total NTLM Prepare Request Failed; 'ntlm-timeout-error': Total NTLM Timeout; 'ntlm-other-error': Total NTLM Other Error; 'ntlm-request-normal': Total NTLM Normal Request; 'ntlm-request-dropped': Total NTLM Dropped Request; 'ntlm-response-success': Total NTLM Success Response; 'ntlm-response-failure': Total NTLM Failure Response; 'ntlm-response-error': Total NTLM Error Response; 'ntlm-response-timeout': Total NTLM Timeout Response; 'ntlm-response-other': Total NTLM Other Response; 'ntlm-job-start-error': Total NTLM Job Start Error; 'ntlm-polling-control-error': Total NTLM Polling Control Error;

Type: string

Supported Values: all, kerberos-request-send, kerberos-response-get, kerberos-timeout-error, kerberos-other-error, ntlm-authentication-success, ntlm-authentication-failure, ntlm-proto-negotiation-success, ntlm-proto-negotiation-failure, ntlm-session-setup-success, ntlm-session-setup-failed, kerberos-request-normal, kerberos-request-dropped, kerberos-response-success, kerberos-response-failure, kerberos-response-error, kerberos-response-timeout, kerberos-response-other, kerberos-job-start-error, kerberos-polling-control-error, ntlm-prepare-req-success, ntlm-prepare-req-failed, ntlm-timeout-error, ntlm-other-error, ntlm-request-normal, ntlm-request-dropped, ntlm-response-success, ntlm-response-failure, ntlm-response-error, ntlm-response-timeout, ntlm-response-other, ntlm-job-start-error, ntlm-polling-control-error, kerberos-pw-expiry, kerberos-pw-change-success, kerberos-pw-change-failure

server_windows_instance-list

Specification	
Type	*list*
Block object keys	

auth-protocol

Description: auth-protocol is a **JSON Block**. Please see below for *server_windows_instance-list_auth-protocol*

Type: Object

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *server_windows_instance-list_host*

Type: Object

name

Description Specify Windows authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl*

realm

Description Specify realm of Windows server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-apacheds-kdc

Description Enable weak cipher (DES CRC/MD5/MD4) and merge AS-REQ in single packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify connection timeout to server, default is 10 seconds

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_windows_instance-list_host

Specification	
Type	*object*

hostip

Description Specify the Windows server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Specify the Windows server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

server_windows_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'krb_send_req_success': Kerberos Request; 'krb_get_resp_success': Kerberos Response; 'krb_timeout_error': Kerberos Timeout; 'krb_other_error': Kerberos Other Error; 'ntlm_proto_nego_success': NTLM Protocol Negotiation Success; 'ntlm_proto_nego_failure': NTLM Protocol Negotiation Failure; 'ntlm_session_setup_success': NTLM Session Setup Success; 'ntlm_session_setup_failure': NTLM Session Setup Failure; 'ntlm_prepare_req_success': NTLM Prepare Request Success; 'ntlm_prepare_req_error': NTLM Prepare Request Error; 'ntlm_auth_success': NTLM Authentication Success; 'ntlm_auth_failure': NTLM Authentication Failure; 'ntlm_timeout_error': NTLM Timeout; 'ntlm_other_error': NTLM Other Error;

Type: string

Supported Values: all, krb_send_req_success, krb_get_resp_success, krb_timeout_error, krb_other_error, krb_pw_expiry, krb_pw_change_success, krb_pw_change_failure, ntlm_proto_nego_success, ntlm_proto_nego_failure, ntlm_session_setup_success, ntlm_session_setup_failure, ntlm_prepare_req_success, ntlm_prepare_req_error, ntlm_auth_success, ntlm_auth_failure, ntlm_timeout_error, ntlm_other_error

server_windows_instance-list_auth-protocol

Specification	
Type	*object*

kerberos-disable

Description Disable Kerberos authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-password-change-port

Description Specify the Kerbros password change port, default is 464

Type: number

Range: 1-65534

Default: 464

kerberos-port

Description Specify the Kerbros port, default is 88

Type: number

Range: 1-65534

Default: 88

kport-hm

Description Check Kerberos port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kport-hm and kport-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

kport-hm-disable

Description Disable configured Kerberos port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kport-hm-disable and kport-hm are mutually exclusive

ntlm-disable

Description Disable NTLM authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-health-check

Description Check NTLM port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ntlm-health-check and ntlm-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

ntlm-health-check-disable

Description Disable configured NTLM port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ntlm-health-check-disable and ntlm-health-check are mutually exclusive

ntlm-version

Description Specify NTLM version, default is 2

Type: number

Range: 1-2

Default: 2

server_ocsp

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_ocsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stapling-certificate-good': Total OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': Total OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': Total OCSP Stapling Unknown Certificate Response; 'stapling-request-normal': Total OSCP Stapling Normal Request; 'stapling-request-dropped': Total OCSP Stapling Dropped Request; 'stapling-response-success': Total OCSP Stapling Success Response; 'stapling-response-failure': Total OCSP Stapling Failure Response; 'stapling-response-error': Total OCSP Stapling Error Response; 'stapling-response-timeout': Total OCSP Stapling Timeout Response; 'stapling-response-other': Total OCSP Stapling Other Response; 'request-normal': Total OSCP Normal Request; 'request-dropped': Total OCSP Dropped Request; 'response-success': Total OCSP Success Response; 'response-failure': Total OCSP Failure Response; 'response-error': Total OCSP Error Response; 'response-timeout': Total OCSP Timeout Response; 'response-other': Total OCSP Other Response; 'job-start-error': Total OCSP Job Start Error; 'polling-control-error': Total OCSP Polling Control Error;

Type: string

Supported Values: all, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-request-normal, stapling-request-dropped, stapling-response-success, stapling-response-failure, stapling-response-error, stapling-response-timeout, stapling-response-other, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error

server_ocsp_instance-list

Specification	
Type	*list*
Block object keys	

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

http-version

Description Set HTTP version (default 1.0)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify OCSP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl*

port-health-check

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-health-check and port-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-health-check-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-health-check-disable and port-health-check are mutually exclusive

responder-ca

Description Specify the trusted OCSP responder's CA cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

responder-cert

Description Specify the trusted OCSP responder's cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

sampling-enable

Type: List

url

Description Specify the OCSP server's address (Format: http://host{[}:port{]}/) (The OCSP server's address(Format: http://host{[}:port{]}/))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-type

Description '1.1': HTTP version 1.1;

Type: string

Supported Values: 1.1

server_ocsp_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'certificate-good': Good Certificate Response; 'certificate-revoked': Revoked Certificate Response; 'certificate-unknown': Unknown Certificate Response; 'timeout': Timeout; 'fail': Handle OCSP response failed; 'stapling-request': OCSP Stapling Request Send; 'stapling-certificate-good': OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': OCSP Stapling Unknown Certificate Response; 'stapling-timeout': OCSP Stapling Timeout; 'stapling-fail': Handle OCSP response failed;

Type: string

Supported Values: all, request, certificate-good, certificate-revoked, certificate-unknown, timeout, fail, stapling-request, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-timeout, stapling-fail

server_radius

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_radius_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Total Authentication Success; 'authen_failure': Total Authentication Failure; 'authorize_success': Total Authorization Success; 'authorize_failure': Total Authorization Failure; 'access_challenge': Total Access-Challenge Message Receive; 'timeout_error': Total Timeout; 'other_error': Total Other Error; 'request': Total Request; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error, accounting-request-sent, accounting-success, accounting-failure

server_radius_instance-list

Specification	
Type	*list*
Block object keys	

accounting-port

Description Specify the RADIUS server's accounting port, default is 1813

Type: number

Range: 1-65534

Default: 1813

acct-port-hm

Description Specify accounting port health check method

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acct-port-hm and acct-port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

acct-port-hm-disable

Description Disable configured accounting port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: acct-port-hm-disable and acct-port-hm are mutually exclusive

auth-type

Description 'pap': PAP authentication. Default; 'mschapv2': MS-CHAPv2 authentication; 'mschapv2-pap': Use MS-CHAPv2 first. If server doesn't support it, try PAP;

Type: string

Supported Values: pap, mschapv2, mschapv2-pap

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *server_radius_instance-list_host*

Type: Object

interval

Description Specify the interval time for resend the request (second), default is 3 seconds (The interval time(second), default is 3 seconds)

Type: number

Range: 1-1024

Default: 3

name

Description Specify RADIUS authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl*

port

Description Specify the RADIUS server's authentication port, default is 1812

Type: number

Range: 1-65534

Default: 1812

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

retry

Description Specify the retry number for resend the request, default is 5 (The retry number, default is 5)

Type: number

Range: 1-32

Default: 5

sampling-enable

Type: List

secret

Description Specify the RADIUS server's secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_radius_instance-list_host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

server_radius_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Authentication Success; 'authen_failure': Authentication Failure; 'authorize_success': Authorization Success; 'authorize_failure': Authorization Failure; 'access_challenge': Access-Challenge Message Receive; 'timeout_error': Timeout; 'other_error': Other Error; 'request': Request; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, accounting-request-sent, accounting-success, accounting-failure

server_ldap

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_ldap_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Total Admin Bind Success; 'admin-bind-failure': Total Admin Bind Failure; 'bind-success': Total User Bind Success; 'bind-failure': Total User Bind Failure; 'search-success': Total Search Success; 'search-failure': Total Search Failure; 'authorize-success': Total Authorization Success; 'authorize-failure': Total Authorization Failure; 'timeout-error': Total Timeout; 'other-error': Total Other Error; 'request': Total Request; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error, other-error, request, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error, ssl-session-created, ssl-session-failure, ldaps-idle-conn-num, ldaps-inuse-conn-num, pw-expiry, pw-change-success, pw-change-failure

server_ldap_instance-list

Specification	
Type	*list*
Block object keys	

admin-dn

Description The LDAP server's admin DN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

admin-secret

Description Specify the LDAP server's admin secret password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-type

Description 'ad': Active Directory. Default; 'open-ldap': OpenLDAP;

Type: string

Supported Values: ad, open-ldap

base

Description Specify the LDAP server's search base

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

bind-with-dn

Description Enforce using DN for LDAP binding(All user input name will be used to create DN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ca-cert

Description Specify the LDAPS CA cert filename (Trusted LDAPS CA cert filename)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

default-domain

Description Specify default domain for LDAP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

derive-bind-dn

Description: derive-bind-dn is a **JSON Block**. Please see below for *server_ldap_instance-list_derive-bind-dn*

Type: Object

dn-attribute

Description Specify Distinguished Name attribute, default is CN

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: cn

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *server_ldap_instance-list_host*

Type: Object

ldaps-conn-reuse-idle-timeout

Description Specify LDAPS connection reuse idle timeout value (in seconds) (Specify idle timeout value (in seconds), default is 0 (not reuse LDAPS connection))

Type: number

Range: 0-86400

Default: 0

name

Description Specify LDAP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl*

port

Description Specify the LDAP server's authentication port, default is 389

Type: number

Range: 1-65534

Default: 389

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

prompt-pw-change-before-exp

Description Prompt user to change password before expiration in N days. This option only takes effect when server type is AD (Prompt user to change password before expiration in N days, default is not to prompt the user)

Type: number

Range: 1-999

protocol

Description 'ldap': Use LDAP (default); 'ldaps': Use LDAP over SSL; 'starttls': Use LDAP StartTLS;

Type: string

Supported Values: ldap, ldaps, starttls

Default: ldap

pwdmaxage

Description Specify the LDAP server's default password expiration time (in seconds) (The LDAP server's default password expiration time (in seconds), default is 0 (no expiration))

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description Specify timout for LDAP, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_ldap_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Admin Bind Success; 'admin-bind-failure': Admin Bind Failure; 'bind-success': User Bind Success; 'bind-failure': User Bind Failure; 'search-success': Search Success; 'search-failure': Search Failure; 'authorize-success': Authorization Success; 'authorize-failure': Authorization Failure; 'timeout-error': Timeout; 'other-error': Other Error; 'request': Request;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error,

other-error, request, ssl-session-created, ssl-session-failure, pw_expiry, pw_change_success, pw_change_failure

server_ldap_instance-list_derive-bind-dn

Specification	
Type	*object*

username-attr

Description Specify attribute name of username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

server_ldap_instance-list_host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

captcha

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/captcha/instance/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

captcha_instance-list

Specification	
Type	*list*
Block object keys	

client-ip-param-name

Description Specify client ip parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

method

Description 'POST': API uses POST method; 'GET': API uses GET method;

Type: string

Supported Values: POST, GET

Default: POST

name

Description Specify captcha profile name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resp-error-code-field-name

Description Specify error code field name used in JSON response (Set field name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

resp-result-field-name

Description Specify result field name used in JSON response (Set field name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-key

Description Specify secret key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-key-param-name

Description Specify secret key parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-key-string

Description Secret key string

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

send-client-ip

Description Send client IP address in API

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify timeout for verify API response (Specify timeout value, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

token-param-name

Description Specify token parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

url

Description Specify verify API URL, default scheme is https

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

file

Specification	
Type	*object*

portal

Description: portal is a **JSON Block**. Please see below for *file_portal*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/file/portal*

portal-image

Description: portal-image is a **JSON Block**. Please see below for *file_portal-image*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/file/portal-image*

file_portal

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

file_portal-image

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oauth

Specification	
Type	*object*

authorization-server-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/oauth/authorization-server/{name}*

client-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/oauth/client/{name}*

global

Description: global is a **JSON Block**. Please see below for *oauth_global*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/oauth/global*

oauth_global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oauth_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auth-req': auth-req; 'auth-succ': auth-succ; 'auth-fail': auth-fail; 'auth-error': auth-error; 'relay-req': relay-req; 'relay-succ': relay-succ; 'relay-fail': relay-fail; 'other-error': other-error;

Type: string

Supported Values: all, auth-req, auth-succ, auth-fail, auth-error, relay-req, relay-succ, relay-fail, other-error

oauth_client-list

Specification	
Type	*list*
Block object keys	

client-id

Description Specify oauth client-id

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-secret

Description

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

grant-type

Description 'implicit': The authorization server will return access token directly.; 'authorization-code': The authorization server will respond with code which can be exchange for access token.; 'hybrid-code-id-token': The authorization server will respond with both code and id token.; 'hybrid-code-token': The authorization server will respond with both code and access token.; 'hybrid-all': The authorization server will respond with code, access token and id token;

Type: string

Supported Values: implicit, authorization-code, hybrid-code-id-token, hybrid-code-token, hybrid-all

infinity

Description Auth session never time out whatever value oauth servers' response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: infinity and token-lifetime are mutually exclusive

name

Description Specify client object name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

parameter-nonce-enable

Description Enable nonce parameter for authorization and token request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirection-endpoint

Description Oauth client redirection endpoint service URL, this URL will plus /js automatically when authorization-endpoint using GET metho

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

scope

Description Specify request scope parameters (e.g. profile email address phone)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

session-init-ttl

Description TTL for Thunder to wait for first response from authorization server

Type: number

Range: 1-60

token-lifetime

Description

Type: number

Range: 1-2592000

Mutual Exclusion: token-lifetime and infinity are mutually exclusive

type

Description 'openid-connect': openid-connect;

Type: string

Supported Values: openid-connect

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oauth_authorization-server-list

Specification	
Type	*list*
Block object keys	

authorization-endpoint

Description Specify URI for authorization

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-method

Description 'ignored': Clients' browser will send data according to server spec (default); 'post': Clients' browser will send data by POST; 'get': Clients' browser will send data by GET;

Type: string

Supported Values: ignored, post, get

issuer

Description Specify openid provider name for authorization

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description Specify authorization server object name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

server-method

Description 'post': AX will send data to server by POST (default); 'get': AX will send data to server by GET;

Type: string

Supported Values: post, get

token-endpoint

Description Specify URI for token exchange

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification-cert

Description Specify certificate to verify ID token signature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-cert and verification-jwks are mutually exclusive

verification-jwks

Description Specify jwks file to verify ID token signature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-jwks and verification-cert are mutually exclusive

oauth_authorization-server-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auth-req': auth-req; 'auth-succ': auth-succ; 'auth-fail': auth-fail; 'auth-error': auth-error; 'other-error': other-error;

Type: string

Supported Values: all, auth-req, auth-succ, auth-fail, auth-error, other-error

password-retry

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	
Type	*list*
Block object keys	

account

Description Specify AD domain account

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/account/kerberos-spn*

accounting-server

Description Specify a RADIUS accounting server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: accounting-server and accounting-service-group are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance*

accounting-service-group

Description Specify an authentication service group for RADIUS accounting

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: accounting-service-group and accounting-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

auth-sess-mode

Description 'cookie-based': Track auth-session by cookie (default); 'ip-based': Track auth-session by client IP;

Type: string

Supported Values: cookie-based, ip-based

captcha

Description Specify captcha profile (Specify captcha proflie name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/captcha/instance*

chain

Type: List

cookie-domain

Type: List

cookie-domain-group

Type: List

cookie-httponly-enable

Description Enable httponly attribute for AAM cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-max-age

Description Configure Max-Age for authentication session cookie (Configure Max-Age in seconds. Default is 604800 (1 week).)

Type: number

Range: 0-2592000

Default: 604800

cookie-samesite

Description 'strict': Specify SameSite attribute as Strict for AAM cookie; 'lax': Specify SameSite attribute as Lax for AAM cookie; 'none': Specify SameSite attribute as None for AAM cookie;

Type: string

Supported Values: strict, lax, none

cookie-secure-enable

Description Enable secure attribute for AAM cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-logout-disable

Description Disable forward logout request to backend application server. The config-field logut-url must be configured first

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt

Description Specify authentication jwt template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/jwt*

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description 'use-partition-level-config': Use configuration of authentication-log enable command; 'enable': Enable authentication logs for this template; 'disable': Disable authentication logs for this template;

Type: string

Supported Values: use-partition-level-config, enable, disable

Default: use-partition-level-config

logon

Description Specify authentication logon (Specify authentication logon template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/logon/form-based*

logout-idle-timeout

Description Specify idle logout time (Specify idle timeout in seconds, default is 300)

Type: number

Range: 1-86400

Default: 300

logout-url

Description Specify logout url (Specify logout url string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

max-session-time

Description Specify default SAML token lifetime (Specify lifetime (in seconds) of SAML token when it not provided by token attributs, default is 28800. (0 for indefinite))

Type: number

Range: 0-86400

modify-content-security-policy

Description Put redirct-uri or service-principal-name into CSP header to avoid CPS break authentication process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Authentication template name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oauth-authorization-server

Description Specify SAML service provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oauth-client

Description Specify SAML identity provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

redirect-hostname

Description Hostname(Length 1-31) for transparent-proxy authentication

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

relay

Description Specify authentication relay (Specify authentication relay template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic/instance*

saml-idp

Description Specify SAML identity provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

saml-sp

Description Specify SAML service provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server

Description Specify authentication server (Specify authentication server template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: server and service-group are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance*

service-group

Description Bind an authentication service group to this template (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group server and chain-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

type

Description 'saml': SAML authentication template; 'standard': Standard authentication template;

Type: string

Supported Values: saml, standard, oauth

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_chain

Specification	
Type	*list*
Block object keys	

chain-server

Description Specify authentication server (Specify authentication server template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-server service-group and chain-sg are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance*

chain-server-priority

Description Set server priority, higher the number higher the priority. Default is 3. (Chain server priority, higher the number higher the priority. Default is 3.)

Type: number

Range: 1-5

Default: 3

chain-sg

Description Bind an authentication service group to this template (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-sg and chain-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

chain-sg-priority

Description Set service-group priority, higher the number higher the priority. Default is 3. (Chain service-group priority, higher the number higher the priority. Default is 3.)

Type: number

Range: 1-5

Default: 3

template-list_cookie-domain-group

Specification	
Type	*list*
Block object keys	

cookie-dmngrp

Description Specify group id to join in the cookie-domain

Type: number

Range: 0-31

template-list_cookie-domain

Specification	
Type	*list*
Block object keys	

cookie-dmn

Description Specify domain scope for the authentication (ex: .a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 2 characters

2.1.5 aam authentication account

Authentication account configuration

account Specification

Type	*Configuration Resource*
Element Name	account
Element URI	/axapi/v3/aam/authentication/account
Element Attributes	account_attributes
Statistics Data URI	/axapi/v3/aam/authentication/account/stats
Schema	`account schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/account

account attributes

```
POST /axapi/v3/aam/authentication/account
Payload:
{
    "account": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/account

account attributes

```
GET /axapi/v3/aam/authentication/account
Reponse:
{
    "account": {
        "uuid": "0447a36a-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/account"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/account

account attributes

Replace Object

PUT

/axapi/v3/aam/authentication/account

account attributes

```
PUT /axapi/v3/aam/authentication/account
Payload:
{
    "account": {
        "sampling-enable": [
            {
                "counters1": "request-normal"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/account

account attributes

```
DELETE /axapi/v3/aam/authentication/account
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

account attributes

kerberos-spn-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/account/kerberos-spn/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response;

Type: string

Supported Values: all, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other

kerberos-spn-list

Specification	
Type	*list*
Block object keys	

account

Description Specify domain account for SPN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.)

name

Description Specify AD account name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of domain account

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

realm

Description Specify Kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-string

Description Password of AD account

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

service-principal-name

Description Specify service principal name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	request-normal	8	Total Normal Request
	response-success	8	Total Success Response
	response-other	8	Total Other Response
	response-failure	8	Total Failure Response
	request-dropped	8	Total Dropped Request
	response-timeout	8	Total Timeout Response
	response-error	8	Total Error Response

2.1.6 aam authentication account kerberos-spn

AD domain account associated with a SPN

kerberos-spn Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*kerberos-spn-list*
Collection URI	/axapi/v3/aam/authentication/account/kerberos-spn
Element Name	kerberos-spn
Element URI	/axapi/v3/aam/authentication/account/kerberos-spn/{name}
Element Attributes	kerberos-spn_attributes
Schema	`kerberos-spn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/account/kerberos-spn

kerberos-spn attributes

```
POST /axapi/v3/aam/authentication/account/kerberos-spn/
Payload:
{
    "kerberos-spn": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/account/kerberos-spn

kerberos-spn attributes

Get Object

GET

/axapi/v3/aam/authentication/account/kerberos-spn/{name}

kerberos-spn attributes

```
GET /axapi/v3/aam/authentication/account/kerberos-spn/a
Reponse:
{
    "kerberos-spn": {
        "name": "a",
```

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```
        "password": 0,
        "uuid": "5de14fac-6002-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/authentication/account/kerberos-spn/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/account/kerberos-spn

kerberos-spn-list

Modify Object

POST

/axapi/v3/aam/authentication/account/kerberos-spn/{name}

kerberos-spn attributes

Replace Object

PUT

/axapi/v3/aam/authentication/account/kerberos-spn/{name}

kerberos-spn attributes

```
PUT /axapi/v3/aam/authentication/account/kerberos-spn/a
Payload:
{
    "kerberos-spn": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/account/kerberos-spn

kerberos-spn-list

Delete Object

DELETE

/axapi/v3/aam/authentication/account/kerberos-spn/{name}

kerberos-spn attributes

```
DELETE /axapi/v3/aam/authentication/account/kerberos-spn/a
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

kerberos-spn-list

kerberos-spn-list is **JSON List** of *kerberos-spn attributes*

kerberos-spn-list : [

{ *kerberos-spn attributes* },

{ *kerberos-spn attributes* },

...

]

kerberos-spn attributes

account

Description Specify domain account for SPN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.)

name

Description Specify AD account name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of domain account

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

realm

Description Specify Kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-string

Description Password of AD account

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

service-principal-name

Description Specify service principal name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.7 aam authentication captcha

CAPTCHA Profile

captcha Specification

Type	*Configuration Resource*
Element Name	captcha
Element URI	/axapi/v3/aam/authentication/captcha
Element Attributes	captcha_attributes
Statistics Data URI	/axapi/v3/aam/authentication/captcha/stats
Schema	`captcha schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/captcha

captcha attributes

Get Object

GET

/axapi/v3/aam/authentication/captcha

captcha attributes

Modify Object

POST

/axapi/v3/aam/authentication/captcha

captcha attributes

Replace Object

PUT

/axapi/v3/aam/authentication/captcha

captcha attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/captcha

captcha attributes

captcha attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/captcha/instance/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list

Specification	
Type	*list*
Block object keys	

client-ip-param-name

Description Specify client ip parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

method

Description 'POST': API uses POST method; 'GET': API uses GET method;

Type: string

Supported Values: POST, GET

Default: POST

name

Description Specify captcha profile name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resp-error-code-field-name

Description Specify error code field name used in JSON response (Set field name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

resp-result-field-name

Description Specify result field name used in JSON response (Set field name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-key

Description Specify secret key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-key-param-name

Description Specify secret key parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-key-string

Description Secret key string

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

send-client-ip

Description Send client IP address in API

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify timeout for verify API response (Specify timeout value, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

token-param-name

Description Specify token parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

url

Description Specify verify API URL, default scheme is https

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	request-normal	8	Total Normal Request
	response-success	8	Total Success Response
	parse-fail	8	Total JSON Response Parse Failure
	timeout-error	8	Total Timeout
	request	8	Total Request
	response-other	8	Total Other Response
	response-failure	8	Total Failure Response
	json-fail	8	Total Failure JSON Response
	attr-fail	8	Total Attribute Check Failure
	other-error	8	Total Other Error
	request-dropped	8	Total Dropped Request
	response-timeout	8	Total Timeout Response
	job-start-error	8	Total Job Start Error
	verify-succ	8	Total Verification Success Response
	response-error	8	Total Error Response
	polling-control-error	8	Total Polling Control Error

2.1.8 aam authentication captcha instance

CAPTCHA Profile

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/captcha/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/captcha/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/captcha/instance/{name}/stats
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/captcha/instance

instance attributes

Create List

POST

/axapi/v3/aam/authentication/captcha/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/captcha/instance/{name}

instance attributes

Get List

GET

/axapi/v3/aam/authentication/captcha/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/captcha/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/captcha/instance/{name}

instance attributes

Replace List

PUT

/axapi/v3/aam/authentication/captcha/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/captcha/instance/{name}

instance attributes

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

client-ip-param-name

Description Specify client ip parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

method

Description 'POST': API uses POST method; 'GET': API uses GET method;

Type: string

Supported Values: POST, GET

Default: POST

name

Description Specify captcha profile name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resp-error-code-field-name

Description Specify error code field name used in JSON response (Set field name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

resp-result-field-name

Description Specify result field name used in JSON response (Set field name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-key

Description Specify secret key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-key-param-name

Description Specify secret key parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-key-string

Description Secret key string

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

send-client-ip

Description Send client IP address in API

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify timeout for verify API response (Specify timeout value, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

token-param-name

Description Specify token parameter name used in API (Set parameter name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

url

Description Specify verify API URL, default scheme is https

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	parse-fail	8	Total JSON Response Parse Failure
	timeout-error	8	Total Timeout
	request	8	Total Request
	attr-fail	8	Total Attibute Check Failure
	other-error	8	Total Other Error
	verify-succ	8	Total Verification Success Response
	json-fail	8	Total Failure JSON Response

2.1.9 aam authentication file

file Specification

Type	*Intermediate Resource*
Element Name	file
Element URI	/axapi/v3/aam/authentication/file
Element Attributes	file_attributes
Schema	`file schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication/file

file_attributes

file attributes

portal

Description: portal is a **JSON Block**. Please see below for *portal*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/file/portal*

portal-image

Description: portal-image is a **JSON Block**. Please see below for *portal-image*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/file/portal-image*

portal

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

portal-image

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.10 aam authentication file portal

portal Specification

Type	*Configuration Resource*
Element Name	portal
Element URI	/axapi/v3/aam/authentication/file/portal
Element Attributes	portal_attributes
Operational Data URI	/axapi/v3/aam/authentication/file/portal/oper
Schema	`portal schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/file/portal

portal attributes

Get Object

GET

/axapi/v3/aam/authentication/file/portal

portal attributes

Modify Object

POST

/axapi/v3/aam/authentication/file/portal

portal attributes

Replace Object

PUT

/axapi/v3/aam/authentication/file/portal

portal attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/file/portal

portal attributes

portal attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	portal-name	string	portal-name
	file-list		file-list

2.1.11 aam authentication file portal-image

portal-image Specification

Type	*Configuration Resource*
Element Name	portal-image
Element URI	/axapi/v3/aam/authentication/file/portal-image
Element Attributes	portal-image_attributes
Operational Data URI	/axapi/v3/aam/authentication/file/portal-image/oper
Schema	`portal-image schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/file/portal-image

portal-image attributes

Get Object

GET

/axapi/v3/aam/authentication/file/portal-image

portal-image attributes

Modify Object

POST

/axapi/v3/aam/authentication/file/portal-image

portal-image attributes

Replace Object

PUT

/axapi/v3/aam/authentication/file/portal-image

portal-image attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/file/portal-image

portal-image attributes

portal-image attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	name	string	name
	file-list		file-list

2.1.12 aam authentication global

Global AAM authentication statistics

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/aam/authentication/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/aam/authentication/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/global

global attributes

```
POST /axapi/v3/aam/authentication/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/global

global attributes

```
GET /axapi/v3/aam/authentication/global
Reponse:
{
    "global": {
        "uuid": "04474c4e-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/global"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/global

global attributes

Replace Object

PUT

/axapi/v3/aam/authentication/global

global attributes

```
PUT /axapi/v3/aam/authentication/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "requests"
            }
```

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```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/global

global attributes

```
DELETE /axapi/v3/aam/authentication/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

max-auth-resp-size

Description Specify the max auth resp size in bytes(from authd to a10lb), default is 64KB

Type: number

Range: 2048-131072

Default: 65536

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'requests': Total Authentication Request; 'responses': Total Authentication Response; 'misses': Total Authentication Request Missed; 'ocsp-stapling-requests-to-a10authd': Total OCSP Stapling Request; 'ocsp-stapling-responses-from-a10authd': Total

OCSP Stapling Response; 'opened-socket': Total AAM Socket Opened; 'open-socket-failed': Total AAM Open Socket Failed; 'connect': Total AAM Connection; 'connect-failed': Total AAM Connect Failed; 'created-timer': Total AAM Timer Created; 'create-timer-failed': Total AAM Timer Creation Failed; 'total-request': Total Request Received by A10 Auth Service; 'get-socket-option-failed': Total AAM Get Socket Option Failed; 'aflex-authz-succ': Total Authorization success number in aFleX; 'aflex-authz-fail': Total Authorization failure number in aFleX;

Type: string

Supported Values: all, requests, responses, misses, ocsp-stapling-requests-to-a10authd, ocsp-stapling-responses-from-a10authd, opened-socket, open-socket-failed, connect, connect-failed, created-timer, create-timer-failed, total-request, get-socket-option-failed, aflex-authz-succ, aflex-authz-fail, authn-success, authn-failure, authz-success, authz-failure, active-session, active-user, dns-resolve-failed

stats data

	Counter	Size	Description
	open-socket-failed	8	Total AAM Open Socket Failed
	connect	8	Total AAM Connection
	aflex-authz-succ	8	Total Authorization success number in aFleX
	authz-success	8	Total Authorization success number
	aflex-authz-fail	8	Total Authorization failure number in aFleX
	create-timer-failed	8	Total AAM Timer Creation Failed
	ocsp-stapling-requests-to-a10authd	8	Total OCSP Stapling Request
	dns-resolve-failed	8	Total AAM DNS resolve failed
	opened-socket	8	Total AAM Socket Opened
	connect-failed	8	Total AAM Connect Failed
	misses	8	Total Authentication Request Missed
	active-session	8	Total Active Auth-Sessions
	active-user	8	Total Active Users
	responses	8	Total Authentication Response
	get-socket-option-failed	8	Total AAM Get Socket Option Failed
	authn-success	8	Total Authentication success number
	authz-failure	8	Total Authorization failure number
	ocsp-stapling-responses-from-a10authd	8	Total OCSP Stapling Response
	authn-failure	8	Total Authentication failure number
	created-timer	8	Total AAM Timer Created
	requests	8	Total Authentication Request
	total-request	8	Total Request Received by A10 Auth Service

2.1.13 aam authentication jwks

JWKS related operations

jwks Specification

Type	*Configuration Resource*
Element Name	jwks
Element URI	/axapi/v3/aam/authentication/jwks
Element Attributes	jwks_attributes
Operational Data URI	/axapi/v3/aam/authentication/jwks/oper
Schema	`jwks schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/jwks

jwks attributes

Get Object

GET

/axapi/v3/aam/authentication/jwks

jwks attributes

Modify Object

POST

/axapi/v3/aam/authentication/jwks

jwks attributes

Replace Object

PUT

/axapi/v3/aam/authentication/jwks

jwks attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/jwks

jwks attributes

jwks attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	jwk-list		jwk-list

2.1.14 aam authentication jwt

JWT issuance configuration

jwt Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*jwt-list*
Collection URI	/axapi/v3/aam/authentication/jwt
Element Name	jwt
Element URI	/axapi/v3/aam/authentication/jwt/{name}
Element Attributes	jwt_attributes
Schema	`jwt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/jwt

jwt attributes

Create List

POST

/axapi/v3/aam/authentication/jwt

jwt attributes

Get Object

GET

/axapi/v3/aam/authentication/jwt/{name}

jwt attributes

Get List

GET

/axapi/v3/aam/authentication/jwt

jwt-list

Modify Object

POST

/axapi/v3/aam/authentication/jwt/{name}

jwt attributes

Replace Object

PUT

/axapi/v3/aam/authentication/jwt/{name}

jwt attributes

Replace List

PUT

/axapi/v3/aam/authentication/jwt

jwt-list

Delete Object

DELETE

/axapi/v3/aam/authentication/jwt/{name}

jwt attributes

jwt-list

jwt-list is **JSON List** of *jwt attributes*

```
jwt-list : [
        { jwt attributes },
        { jwt attributes },
        ...
    ]
```

jwt attributes

action

Description 'redirect': redirect JWT to specific URI; 'relay': relay JWT to back-end;

Type: string

Supported Values: redirect, relay

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

issuer

Description Specify JWT issuer claim value

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

jwt-relay-uri

Description Specify JWT relay URI (for relay action)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

name

Description Specify JWT issuer template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret-string

Description The JWT signature secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

signature-secret

Description Specify the JWT signature secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

token-lifetime

Description Specify JWT token lifetime (Specify lifetime (in seconds), default is 300.)

Type: number

Range: 0-86400

Default: 300

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.15 aam authentication log

Authentication log configuration

log Specification

Type	*Configuration Resource*
Element Name	log
Element URI	/axapi/v3/aam/authentication/log
Element Attributes	log_attributes
Schema	`log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/log

log attributes

```
POST /axapi/v3/aam/authentication/log
Payload:
{
```

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```
    "log": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/log

log attributes

```
GET /axapi/v3/aam/authentication/log
Reponse:
{
    "log": {
        "enable": 1,
        "facility": "local0",
        "uuid": "05b00d2c-6003-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/log"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/log

log attributes

Replace Object

PUT

/axapi/v3/aam/authentication/log

log attributes

```
PUT /axapi/v3/aam/authentication/log
Payload:
{
    "log": {
        "enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/log

log attributes

```
DELETE /axapi/v3/aam/authentication/log
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

log attributes

enable

Description Enable authentication logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

facility

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use;

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'syslog': Syslog Format (default); 'cef': Common Event Format;

Type: string

Supported Values: syslog, cef

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.16 aam authentication logon

Authentication logon configuration

logon Specification

Type	*Intermediate Resource*
Element Name	logon
Element URI	/axapi/v3/aam/authentication/logon
Element Attributes	logon_attributes
Schema	`logon schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication/logon

logon_attributes

logon attributes

form-based-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/logon/form-based/{name}*

http-authenticate

Description: http-authenticate is a **JSON Block**. Please see below for *http-authenticate*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/logon/http-authenticate*

form-based-list

Specification	
Type	*list*
Block object keys	

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

challenge-variable

Description Specify challenge variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-page-cfg

Description: cp-page-cfg is a **JSON Block**. Please see below for *form-based-list_cp-page-cfg*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

logon-page-cfg

Description: logon-page-cfg is a **JSON Block**. Please see below for *form-based-list_logon-page-cfg*

Type: Object

name

Description Specify form-based authentication logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-variable

Description Specify new-pin variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

notify-cp-page-cfg

Description: notify-cp-page-cfg is a **JSON Block**. Please see below for *form-based-list_notify-cp-page-cfg*

Type: Object

portal

Description: portal is a **JSON Block**. Please see below for *form-based-list_portal*

Type: Object

retry

Description Specify max. number of failure retry (Specify retry count (1 ~ 32), default is 3)

Type: number

Range: 1-32

Default: 3

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

form-based-list_notify-cp-page-cfg

Specification	
Type	*object*

notifychangepassword-change-url

Description Specify change password action url for notifychangepassword form

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

notifychangepassword-continue-url

Description Specify continue action url for notifychangepassword form

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

form-based-list_portal

Specification	
Type	*object*

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page new-pin-page and next-token-page are mutually exclusive

changepasswordpage

Description Specify change password page name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

default-portal

Description Use default portal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-portal and portal-name are mutually exclusive

failpage

Description Specify logon fail page name (portal fail page name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon

Description Specify logon page name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

next-token-page

Description Specify next token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: next-token-page and challenge-page are mutually exclusive

notifychangepasswordpage

Description Specify change password notification page name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-name

Description Specify portal name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: portal-name and default-portal are mutually exclusive

form-based-list_logon-page-cfg

Specification	
Type	*object*

action-url

Description Specify form submission action url

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

authz-failure-message

Description Specify authorization failure message shown in logon page (Specify error string, default is "Authorization failed. Please contact your system administrator.")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

captcha-variable

Description Specify captcha variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

disable-change-password-link

Description Don't display change password link on logon page forcibly even backend authentication server supports it (LDAP or Kerberos)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

login-failure-message

Description Specify login failure message shown in logon page (Specify error string, default is "Invalid username or password. Please try again.")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passcode-variable

Description Specify passcode variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username-variable

Description Specify username variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

form-based-list_cp-page-cfg

Specification	
Type	*object*

changepassword-url

Description Specify changepassword form submission action url (changepassword action url)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cp-cfm-pwd-enum

Description 'changepassword-password-confirm-variable': Specify password confirm variable name in form submission;

Type: string

Supported Values: changepassword-password-confirm-variable

cp-cfm-pwd-var

Description Specify password confirm variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-new-pwd-enum

Description 'changepassword-new-password-variable': Specify new password variable name in form submission;

Type: string

Supported Values: changepassword-new-password-variable

cp-new-pwd-var

Description Specify new password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-old-pwd-enum

Description 'changepassword-old-password-variable': Specify old password variable name in form submission;

Type: string

Supported Values: changepassword-old-password-variable

cp-old-pwd-var

Description Specify old password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-user-enum

Description 'changepassword-username-variable': Specify username variable name in form submission;

Type: string

Supported Values: changepassword-username-variable

cp-user-var

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-authenticate

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}*

http-authenticate_instance-list

Specification	
Type	*list*
Block object keys	

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-method

Description: auth-method is a **JSON Block**. Please see below for *http-authenticate_instance-list_auth-method*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

name

Description Specify HTTP-Authenticate logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl*

retry

Description Specify max. number of failure retry (1 ~ 32), default is 3

Type: number

Range: 1-32

Default: 3

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-authenticate_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spn_krb_request': SPN Kerberos Request; 'spn_krb_success': SPN Kerberos Success; 'spn_krb_faiure': SPN Kerberos Failure;

Type: string

Supported Values: all, spn_krb_request, spn_krb_success, spn_krb_faiure

http-authenticate_instance-list_auth-method

Specification	
Type	*object*

basic

Description: basic is a **JSON Block**. Please see below for *http-authenticate_instance-list_auth-method_basic*

Type: Object

negotiate

Description: negotiate is a **JSON Block**. Please see below for *http-authenticate_instance-list_auth-method_negotiate*

Type: Object

ntlm

Description: ntlm is a **JSON Block**. Please see below for *http-authenticate_instance-list_auth-method_ntlm*

Type: Object

http-authenticate_instance-list_auth-method_ntlm

Specification	
Type	*object*

ntlm-enable

Description Enable NTLM logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-authenticate_instance-list_auth-method_negotiate

Specification	
Type	*object*

negotiate-enable

Description Enable SPENGO logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-authenticate_instance-list_auth-method_basic

Specification	
Type	*object*

basic-enable

Description Enable Basic logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-realm

Description Specify realm for basic logon

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page and new-pin-page are mutually exclusive

challenge-response-form

Description Specify challenge-response form for RSA-RADIUS authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-variable

Description Specify challenge variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

new-pin-variable

Description Specify new PIN variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-page

Description Specify next-token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.1.17 aam authentication logon form-based

Form-based Authentication Logon

form-based Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*form-based-list*
Collection URI	/axapi/v3/aam/authentication/logon/form-based
Element Name	form-based
Element URI	/axapi/v3/aam/authentication/logon/form-based/{name}
Element Attributes	form-based_attributes
Schema	`form-based schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/logon/form-based

form-based attributes

```
POST /axapi/v3/aam/authentication/logon/form-based/
Payload:
{
    "form-based": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/logon/form-based

form-based attributes

Get Object

GET

/axapi/v3/aam/authentication/logon/form-based/{name}

form-based attributes

```
GET /axapi/v3/aam/authentication/logon/form-based/a
Reponse:
{
    "form-based": {
        "name": "a",
        "portal": {
            "default-portal": 0
        },
        "logon-page-cfg": {
            "disable-change-password-link": 0
        },
        "retry": 3,
        "account-lock": 0,
        "uuid": "2c906ac2-6003-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/authentication/logon/form-based/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/logon/form-based

form-based-list

Modify Object

POST

/axapi/v3/aam/authentication/logon/form-based/{name}

form-based attributes

Replace Object

PUT

/axapi/v3/aam/authentication/logon/form-based/{name}

form-based attributes

```
PUT /axapi/v3/aam/authentication/logon/form-based/a
Payload:
{
    "form-based": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/logon/form-based

form-based-list

Delete Object

DELETE

/axapi/v3/aam/authentication/logon/form-based/{name}

form-based attributes

```
DELETE /axapi/v3/aam/authentication/logon/form-based/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

form-based-list

form-based-list is **JSON List** of *form-based attributes*

form-based-list : [

{ *form-based attributes* },

{ *form-based attributes* },

...

]

form-based attributes

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

challenge-variable

Description Specify challenge variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-page-cfg

Description: cp-page-cfg is a **JSON Block**. Please see below for *cp-page-cfg*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

logon-page-cfg

Description: logon-page-cfg is a **JSON Block**. Please see below for *logon-page-cfg*

Type: Object

name

Description Specify form-based authentication logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-variable

Description Specify new-pin variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

notify-cp-page-cfg

Description: notify-cp-page-cfg is a **JSON Block**. Please see below for *notify-cp-page-cfg*

Type: Object

portal

Description: portal is a **JSON Block**. Please see below for *portal*

Type: Object

retry

Description Specify max. number of failure retry (Specify retry count (1 ~ 32), default is 3)

Type: number

Range: 1-32

Default: 3

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

notify-cp-page-cfg

Specification	
Type	*object*

notifychangepassword-change-url

Description Specify change password action url for notifychangepassword form

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

notifychangepassword-continue-url

Description Specify continue action url for notifychangepassword form

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

portal

Specification	
Type	*object*

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page new-pin-page and next-token-page are mutually exclusive

changepasswordpage

Description Specify change password page name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

default-portal

Description Use default portal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-portal and portal-name are mutually exclusive

failpage

Description Specify logon fail page name (portal fail page name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon

Description Specify logon page name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

next-token-page

Description Specify next token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: next-token-page and challenge-page are mutually exclusive

notifychangepasswordpage

Description Specify change password notification page name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

portal-name

Description Specify portal name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: portal-name and default-portal are mutually exclusive

logon-page-cfg

Specification	
Type	*object*

action-url

Description Specify form submission action url

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

authz-failure-message

Description Specify authorization failure message shown in logon page (Specify error string, default is "Authorization failed. Please contact your system administrator.")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

captcha-variable

Description Specify captcha variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

disable-change-password-link

Description Don't display change password link on logon page forcibly even backend authentication server supports it (LDAP or Kerberos)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

login-failure-message

Description Specify login failure message shown in logon page (Specify error string, default is "Invalid username or password. Please try again.")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passcode-variable

Description Specify passcode variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username-variable

Description Specify username variable name in form submission

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-page-cfg

Specification	
Type	*object*

changepassword-url

Description Specify changepassword form submission action url (changepassword action url)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cp-cfm-pwd-enum

Description 'changepassword-password-confirm-variable': Specify password confirm variable name in form submission;

Type: string

Supported Values: changepassword-password-confirm-variable

cp-cfm-pwd-var

Description Specify password confirm variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-new-pwd-enum

Description 'changepassword-new-password-variable': Specify new password variable name in form submission;

Type: string

Supported Values: changepassword-new-password-variable

cp-new-pwd-var

Description Specify new password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-old-pwd-enum

Description 'changepassword-old-password-variable': Specify old password variable name in form submission;

Type: string

Supported Values: changepassword-old-password-variable

cp-old-pwd-var

Description Specify old password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cp-user-enum

Description 'changepassword-username-variable': Specify username variable name in form submission;

Type: string

Supported Values: changepassword-username-variable

cp-user-var

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.1.18 aam authentication logon http-authenticate

HTTP-authenticate Logon

http-authenticate Specification

Type	*Intermediate Resource*
Element Name	http-authenticate
Element URI	/axapi/v3/aam/authentication/logon/http-authenticate
Element Attributes	http-authenticate_attributes
Schema	`http-authenticate schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication/logon/http-authenticate

http-authenticate_attributes

http-authenticate attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}*

instance-list

Specification	
Type	*list*
Block object keys	

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-method

Description: auth-method is a **JSON Block**. Please see below for *instance-list_auth-method*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

name

Description Specify HTTP-Authenticate logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl*

retry

Description Specify max. number of failure retry (1 ~ 32), default is 3

Type: number

Range: 1-32

Default: 3

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spn_krb_request': SPN Kerberos Request; 'spn_krb_success': SPN Kerberos Success; 'spn_krb_faiure': SPN Kerberos Failure;

Type: string

Supported Values: all, spn_krb_request, spn_krb_success, spn_krb_faiure

instance-list_auth-method

Specification	
Type	*object*

basic

Description: basic is a **JSON Block**. Please see below for *instance-list_auth-method_basic*

Type: Object

negotiate

Description: negotiate is a **JSON Block**. Please see below for *instance-list_auth-method_negotiate*

Type: Object

ntlm

Description: ntlm is a **JSON Block**. Please see below for *instance-list_auth-method_ntlm*

Type: Object

instance-list_auth-method_ntlm

Specification	
Type	*object*

ntlm-enable

Description Enable NTLM logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list_auth-method_negotiate

Specification	
Type	*object*

negotiate-enable

Description Enable SPENGO logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list_auth-method_basic

Specification	
Type	*object*

basic-enable

Description Enable Basic logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-realm

Description Specify realm for basic logon

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page and new-pin-page are mutually exclusive

challenge-response-form

Description Specify challenge-response form for RSA-RADIUS authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-variable

Description Specify challenge variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

new-pin-variable

Description Specify new PIN variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-page

Description Specify next-token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.1.19 aam authentication logon http-authenticate instance

HTTP-authenticate Logon

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/logon/http-authenticate/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}/stats
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/logon/http-authenticate/instance

instance attributes

```
POST /axapi/v3/aam/authentication/logon/http-authenticate/instance/
Payload:
{
    "instance": {
        "name": "a",
        "auth-method": {
            "basic": {
                "basic-realm": "a"
```

(continues on next page)

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```
            }
        }
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/logon/http-authenticate/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}

instance attributes

```
GET /axapi/v3/aam/authentication/logon/http-authenticate/instance/a
Reponse:
{
    "instance": {
        "name": "a",
        "auth-method": {
            "basic": {
                "basic-realm": "a",
                "basic-enable": 0
            },
            "ntlm": {
                "ntlm-enable": 0
            },
            "negotiate": {
                "negotiate-enable": 0
            }
        },
        "retry": 3,
        "account-lock": 0,
        "uuid": "3a9c4aae-6004-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/logon/http-authenticate/instance/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/logon/http-authenticate/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}

instance attributes

```
PUT /axapi/v3/aam/authentication/logon/http-authenticate/instance/a
Payload:
{
    "instance": {
        "name": "a",
        "auth-method": {
            "basic": {
                "basic-realm": "abcd"
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/logon/http-authenticate/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/logon/http-authenticate/instance/{name}

instance attributes

```
DELETE /axapi/v3/aam/authentication/logon/http-authenticate/instance/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

account-lock

Description Lock the account when the failed logon attempts is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-method

Description: auth-method is a **JSON Block**. Please see below for *auth-method*

Type: Object

duration

Description The time an account remains locked in seconds (default 1800)

Type: number

Range: 1-86400

Default: 1800

name

Description Specify HTTP-Authenticate logon name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl*

retry

Description Specify max. number of failure retry (1 ~ 32), default is 3

Type: number

Range: 1-32

Default: 3

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spn_krb_request': SPN Kerberos Request; 'spn_krb_success': SPN Kerberos Success; 'spn_krb_faiure': SPN Kerberos Failure;

Type: string

Supported Values: all, spn_krb_request, spn_krb_success, spn_krb_faiure

auth-method

Specification	
Type	*object*

basic

Description: basic is a **JSON Block**. Please see below for *auth-method_basic*

Type: Object

negotiate

Description: negotiate is a **JSON Block**. Please see below for *auth-method_negotiate*

Type: Object

ntlm

Description: ntlm is a **JSON Block**. Please see below for *auth-method_ntlm*

Type: Object

auth-method_ntlm

Specification	
Type	*object*

ntlm-enable

Description Enable NTLM logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-method_negotiate

Specification	
Type	*object*

negotiate-enable

Description Enable SPENGO logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-method_basic

Specification	
Type	*object*

basic-enable

Description Enable Basic logon

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-realm

Description Specify realm for basic logon

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-page

Description Specify challenge page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: challenge-page and new-pin-page are mutually exclusive

challenge-response-form

Description Specify challenge-response form for RSA-RADIUS authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

challenge-variable

Description Specify challenge variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pin-page

Description Specify new PIN page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-pin-page and challenge-page are mutually exclusive

new-pin-variable

Description Specify new PIN variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-page

Description Specify next-token page name for RSA-RADIUS

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

next-token-variable

Description Specify next-token variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	spn_krb_success	8	SPN Kerberos Success
	spn_krb_request	8	SPN Kerberos Request
	spn_krb_faiure	8	SPN Kerberos Failure

2.1.20 aam authentication oauth

AAM Oauth 2.0 related configuration

oauth Specification

Type	*Intermediate Resource*
Element Name	oauth
Element URI	/axapi/v3/aam/authentication/oauth
Element Attributes	oauth_attributes
Schema	`oauth schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication/oauth

oauth_attributes

oauth attributes

authorization-server-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/oauth/authorization-server/{name}*

client-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/oauth/client/{name}*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/oauth/global*

global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auth-req': auth-req; 'auth-succ': auth-succ; 'auth-fail': auth-fail; 'auth-error': auth-error; 'relay-req': relay-req; 'relay-succ': relay-succ; 'relay-fail': relay-fail; 'other-error': other-error;

Type: string

Supported Values: all, auth-req, auth-succ, auth-fail, auth-error, relay-req, relay-succ, relay-fail, other-error

client-list

Specification	
Type	*list*
Block object keys	

client-id

Description Specify oauth client-id

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-secret

Description

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

grant-type

Description 'implicit': The authorization server will return access token directly.; 'authorization-code': The authorization server will respond with code which can be exchange for access token.; 'hybrid-code-id-token': The authorization server will respond with both code and id token.; 'hybrid-code-token': The authorization server will respond with both code and access token.; 'hybrid-all': The authorization server will respond with code, access token and id token;

Type: string

Supported Values: implicit, authorization-code, hybrid-code-id-token, hybrid-code-token, hybrid-all

infinity

Description Auth session never time out whatever value oauth servers' response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: infinity and token-lifetime are mutually exclusive

name

Description Specify client object name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

parameter-nonce-enable

Description Enable nonce parameter for authorization and token request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirection-endpoint

Description Oauth client redirection endpoint service URL, this URL will plus /js automatically when authorization-endpoint using GET metho

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

scope

Description Specify request scope parameters (e.g. profile email address phone)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

session-init-ttl

Description TTL for Thunder to wait for first response from authorization server

Type: number

Range: 1-60

token-lifetime

Description

Type: number

Range: 1-2592000

Mutual Exclusion: token-lifetime and infinity are mutually exclusive

type

Description 'openid-connect': openid-connect;

Type: string

Supported Values: openid-connect

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authorization-server-list

Specification	
Type	*list*
Block object keys	

authorization-endpoint

Description Specify URI for authorization

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-method

Description 'ignored': Clients' browser will send data according to server spec (default); 'post': Clients' browser will send data by POST; 'get': Clients' browser will send data by GET;

Type: string

Supported Values: ignored, post, get

issuer

Description Specify openid provider name for authorization

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description Specify authorization server object name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

server-method

Description 'post': AX will send data to server by POST (default); 'get': AX will send data to server by GET;

Type: string

Supported Values: post, get

token-endpoint

Description Specify URI for token exchange

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification-cert

Description Specify certificate to verify ID token signature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-cert and verification-jwks are mutually exclusive

verification-jwks

Description Specify jwks file to verify ID token signature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-jwks and verification-cert are mutually exclusive

authorization-server-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auth-req': auth-req; 'auth-succ': auth-succ; 'auth-fail': auth-fail; 'auth-error': auth-error; 'other-error': other-error;

Type: string

Supported Values: all, auth-req, auth-succ, auth-fail, auth-error, other-error

2.1.21 aam authentication oauth authorization-server

Authentication 2.0 authorization server

authorization-server Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*authorization-server-list*
Collection URI	/axapi/v3/aam/authentication/oauth/authorization-server
Element Name	authorization-server
Element URI	/axapi/v3/aam/authentication/oauth/authorization-server/{name}
Element Attributes	authorization-server_attributes
Statistics Data URI	/axapi/v3/aam/authentication/oauth/authorization-server/{name}/stats
Schema	`authorization-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/oauth/authorization-server

authorization-server attributes

Create List

POST

/axapi/v3/aam/authentication/oauth/authorization-server

authorization-server attributes

Get Object

GET

/axapi/v3/aam/authentication/oauth/authorization-server/{name}

authorization-server attributes

Get List

GET

/axapi/v3/aam/authentication/oauth/authorization-server

authorization-server-list

Modify Object

POST

/axapi/v3/aam/authentication/oauth/authorization-server/{name}

authorization-server attributes

Replace Object

PUT

/axapi/v3/aam/authentication/oauth/authorization-server/{name}

authorization-server attributes

Replace List

PUT

/axapi/v3/aam/authentication/oauth/authorization-server

authorization-server-list

Delete Object

DELETE

/axapi/v3/aam/authentication/oauth/authorization-server/{name}

authorization-server attributes

authorization-server-list

authorization-server-list is **JSON List** of *authorization-server attributes*

authorization-server-list : [

{ *authorization-server attributes* },

{ *authorization-server attributes* },

...

]

authorization-server attributes

authorization-endpoint

Description Specify URI for authorization

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-method

Description 'ignored': Clients' browser will send data according to server spec (default); 'post': Clients' browser will send data by POST; 'get': Clients' browser will send data by GET;

Type: string

Supported Values: ignored, post, get

issuer

Description Specify openid provider name for authorization

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description Specify authorization server object name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

server-method

Description 'post': AX will send data to server by POST (default); 'get': AX will send data to server by GET;

Type: string

Supported Values: post, get

token-endpoint

Description Specify URI for token exchange

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification-cert

Description Specify certificate to verify ID token signature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-cert and verification-jwks are mutually exclusive

verification-jwks

Description Specify jwks file to verify ID token signature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-jwks and verification-cert are mutually exclusive

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auth-req': auth-req; 'auth-succ': auth-succ; 'auth-fail': auth-fail; 'auth-error': auth-error; 'other-error': other-error;

Type: string

Supported Values: all, auth-req, auth-succ, auth-fail, auth-error, other-error

stats data

	Counter	Size	Description
	other-error	8	other-error
	auth-fail	8	auth-fail
	auth-succ	8	auth-succ
	auth-req	8	auth-req
	auth-error	8	auth-error

2.1.22 aam authentication oauth client

Authentication 2.0 Oauth client

client Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*client-list*
Collection URI	/axapi/v3/aam/authentication/oauth/client
Element Name	client
Element URI	/axapi/v3/aam/authentication/oauth/client/{name}
Element Attributes	client_attributes
Schema	`client schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/oauth/client

client attributes

Create List

POST

/axapi/v3/aam/authentication/oauth/client

client attributes

Get Object

GET

/axapi/v3/aam/authentication/oauth/client/{name}

client attributes

Get List

GET

/axapi/v3/aam/authentication/oauth/client

client-list

Modify Object

POST

/axapi/v3/aam/authentication/oauth/client/{name}

client attributes

Replace Object

PUT

/axapi/v3/aam/authentication/oauth/client/{name}

client attributes

Replace List

PUT

/axapi/v3/aam/authentication/oauth/client

client-list

Delete Object

DELETE

/axapi/v3/aam/authentication/oauth/client/{name}

client attributes

client-list

client-list is **JSON List** of *client attributes*

client-list : [

{ *client attributes* },

{ *client attributes* },

...

]

client attributes

client-id

Description Specify oauth client-id

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-secret

Description

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

grant-type

Description 'implicit': The authorization server will return access token directly.; 'authorization-code': The authorization server will respond with code which can be exchange for access token.; 'hybrid-code-id-token': The authorization server will respond with both code and id token.; 'hybrid-code-token': The authorization server will respond with both code and access token.; 'hybrid-all': The authorization server will respond with code, access token and id token;

Type: string

Supported Values: implicit, authorization-code, hybrid-code-id-token, hybrid-code-token, hybrid-all

infinity

Description Auth session never time out whatever value oauth servers' response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: infinity and token-lifetime are mutually exclusive

name

Description Specify client object name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

parameter-nonce-enable

Description Enable nonce parameter for authorization and token request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirection-endpoint

Description Oauth client redirection endpoint service URL, this URL will plus /js automatically when authorization-endpoint using GET metho

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

scope

Description Specify request scope parameters (e.g. profile email address phone)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

session-init-ttl

Description TTL for Thunder to wait for first response from authorization server

Type: number

Range: 1-60

token-lifetime

Description

Type: number

Range: 1-2592000

Mutual Exclusion: token-lifetime and infinity are mutually exclusive

type

Description 'openid-connect': openid-connect;

Type: string

Supported Values: openid-connect

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.23 aam authentication oauth global

Global Oauth statistics

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/aam/authentication/oauth/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/aam/authentication/oauth/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/oauth/global

global attributes

Get Object

GET

/axapi/v3/aam/authentication/oauth/global

global attributes

Modify Object

POST

/axapi/v3/aam/authentication/oauth/global

global attributes

Replace Object

PUT

/axapi/v3/aam/authentication/oauth/global

global attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/oauth/global

global attributes

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auth-req': auth-req; 'auth-succ': auth-succ; 'auth-fail': auth-fail; 'auth-error': auth-error; 'relay-req': relay-req; 'relay-succ': relay-succ; 'relay-fail': relay-fail; 'other-error': other-error;

Type: string

Supported Values: all, auth-req, auth-succ, auth-fail, auth-error, relay-req, relay-succ, relay-fail, other-error

stats data

	Counter	Size	Description
	relay-req	8	relay-req
	auth-succ	8	auth-succ
	other-error	8	other-error
	auth-fail	8	auth-fail
	auth-req	8	auth-req
	relay-succ	8	relay-succ
	relay-fail	8	relay-fail
	auth-error	8	auth-error

2.1.24 aam authentication password-retry

password-retry Specification

Type	*Configuration Resource*
Element Name	password-retry
Element URI	/axapi/v3/aam/authentication/password-retry
Element Attributes	password-retry_attributes
Operational Data URI	/axapi/v3/aam/authentication/password-retry/oper
Schema	`password-retry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/password-retry

password-retry attributes

Get Object

GET

/axapi/v3/aam/authentication/password-retry

password-retry attributes

Modify Object

POST

/axapi/v3/aam/authentication/password-retry

password-retry attributes

Replace Object

PUT

/axapi/v3/aam/authentication/password-retry

password-retry attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/password-retry

password-retry attributes

password-retry attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	logon-name	string	logon-name
	entry-list		entry-list
	name	string	name

2.1.25 aam authentication portal

Authentication portal configuration

portal Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*portal-list*
Collection URI	/axapi/v3/aam/authentication/portal
Element Name	portal
Element URI	/axapi/v3/aam/authentication/portal/{name}
Element Attributes	portal_attributes
Schema	`portal schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/portal

portal attributes

```
POST /axapi/v3/aam/authentication/portal/
Payload:
{
    "portal": {
        "name": "default-portal",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/portal

portal attributes

Get Object

GET

/axapi/v3/aam/authentication/portal/{name}

portal attributes

```
GET /axapi/v3/aam/authentication/portal/default-portal
Reponse:
{
    "portal": {
        "name": "default-portal",
```

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```
        "uuid": "e42831be-6004-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/authentication/portal/default-portal"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/portal

portal-list

Modify Object

POST

/axapi/v3/aam/authentication/portal/{name}

portal attributes

Replace Object

PUT

/axapi/v3/aam/authentication/portal/{name}

portal attributes

```
PUT /axapi/v3/aam/authentication/portal/default-portal
Payload:
{
    "portal": {
        "name": "default-portal",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/portal

portal-list

Delete Object

DELETE

/axapi/v3/aam/authentication/portal/{name}

portal attributes

```
DELETE /axapi/v3/aam/authentication/portal/default-portal
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

portal-list

portal-list is **JSON List** of *portal attributes*

portal-list : [

{ *portal attributes* },

{ *portal attributes* },

...

]

portal attributes

change-password

Description: change-password is a **JSON Block**. Please see below for *change-password*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/change-password*

logo-cfg

Description: logo-cfg is a **JSON Block**. Please see below for *logo-cfg*

Type: Object

logon

Description: logon is a **JSON Block**. Please see below for *logon*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/logon*

logon-fail

Description: logon-fail is a **JSON Block**. Please see below for *logon-fail*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/logon-fail*

name

Description 'default-portal': Default portal configuration;

Type: string

Supported Values: default-portal

notify-change-password

Description: notify-change-password is a **JSON Block**. Please see below for *notify-change-password*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/portal/{name}/notify-change-password*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logon-fail

Specification	
Type	*object*

background

Description: background is a **JSON Block**. Please see below for *logon-fail_background*

Type: Object

fail-msg-cfg

Description: fail-msg-cfg is a **JSON Block**. Please see below for *logon-fail_fail-msg-cfg*

Type: Object

title-cfg

Description: title-cfg is a **JSON Block**. Please see below for *logon-fail_title-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logon-fail_fail-msg-cfg

Specification	
Type	*object*

fail-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: fail-color-name and fail-color-value are mutually exclusive

fail-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: fail-color-value and fail-color-name are mutually exclusive

fail-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: fail-face and fail-font-custom are mutually exclusive

fail-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fail-font-custom and fail-face are mutually exclusive

fail-msg

Description Configure logon failure message in default logon fail page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

fail-text

Description Specify logon failure message (Default: Login Failed!!)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon-fail_title-cfg

Specification	
Type	*object*

title

Description Configure title in default logon fail page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

title-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: title-color-name and title-color-value are mutually exclusive

title-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: title-color-value and title-color-name are mutually exclusive

title-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: title-face and title-font-custom are mutually exclusive

title-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: title-font-custom and title-face are mutually exclusive

title-size

Description Specify font size (Default: 5)

Type: number

Range: 1-7

Default: 5

title-text

Description Specify title (Default: Try Too Many Times)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon-fail_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

logo-cfg

Specification	
Type	*object*

height

Description Specify logo image height (Default: 71)

Type: number

Range: 50-400

Default: 71

logo

Description Specify logo image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

width

Description Specify logo image width (Default: 134)

Type: number

Range: 50-400

Default: 134

notify-change-password

Specification	
Type	*object*

background

Description: background is a **JSON Block**. Please see below for *notify-change-password_background*

Type: Object

cfm-pwd-cfg

Description: cfm-pwd-cfg is a **JSON Block**. Please see below for *notify-change-password_cfm-pwd-cfg*

Type: Object

change-text

Description Specify change button text in default change password notification page (Default: Change)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

change-url

Description Specify change password action URL in default change password notification page (Default: /notify_change.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password-var

Description Specify confirm password variable name in default change password notification page (Default: cp_cfm_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

continue-text

Description Specify continue button text in default change password notification page (Default: Continue)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

continue-url

Description Specify continue action URL in default change password notification page (Default: /continue.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-password-var

Description Specify new password variable name in default change password notification page (Default: cp_new_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pwd-cfg

Description: new-pwd-cfg is a **JSON Block**. Please see below for *notify-change-password_new-pwd-cfg*

Type: Object

old-password-var

Description Specify old password variable name in default change password notification page (Default: cp_old_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Description: old-pwd-cfg is a **JSON Block**. Please see below for *notify-change-password_old-pwd-cfg*

Type: Object

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *notify-change-password_username-cfg*

Type: Object

username-var

Description Specify username variable name in default change password notification page (Default: cp_usr)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

notify-change-password_new-pwd-cfg

Specification	
Type	*object*

new-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: new-color-name and new-color-value are mutually exclusive

new-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: new-color-value and new-color-name are mutually exclusive

new-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: new-face and new-font-custom are mutually exclusive

new-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-font-custom and new-face are mutually exclusive

new-password

Description Configure new password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

new-text

Description Specify new password text (Default: New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

notify-change-password_old-pwd-cfg

Specification	
Type	*object*

old-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: old-color-name and old-color-value are mutually exclusive

old-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: old-color-value and old-color-name are mutually exclusive

old-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: old-face and old-font-custom are mutually exclusive

old-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: old-font-custom and old-face are mutually exclusive

old-password

Description Configure old password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

old-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

old-text

Description Specify old password text (Default: Old Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

notify-change-password_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

notify-change-password_cfm-pwd-cfg

Specification	
Type	*object*

cfm-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: cfm-color-name and cfm-color-value are mutually exclusive

cfm-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: cfm-color-value and cfm-color-name are mutually exclusive

cfm-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: cfm-face and cfm-font-custom are mutually exclusive

cfm-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: cfm-font-custom and cfm-face are mutually exclusive

cfm-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

cfm-text

Description Specify confirm password text (Default: Confirm New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password

Description Configure confirm password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notify-change-password_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: Username)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logon

Specification	
Type	*object*

action-url

Description Specify form action URL in default logon page (Default: /logon.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Description: background is a **JSON Block**. Please see below for *logon_background*

Type: Object

captcha-type

Description 'reCAPTCHAv2-checkbox': Google reCAPTCHAv2 Checkbox; 'reCAPTCHAv2-invisible': Google reCAPTCHAv2 Invisible; 'reCAPTCHAv3': Google reCAPTCHAv3;

Type: string

Supported Values: reCAPTCHAv2-checkbox, reCAPTCHAv2-invisible, reCAPTCHAv3

enable-CAPTCHA

Description Enable CAPTCHA in deafult logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-passcode

Description Enable passcode field in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

fail-msg-cfg

Description: fail-msg-cfg is a **JSON Block**. Please see below for *logon_fail-msg-cfg*

Type: Object

passcode-cfg

Description: passcode-cfg is a **JSON Block**. Please see below for *logon_passcode-cfg*

Type: Object

passcode-var

Description Specify passcode variable name in default logon page (Default: passcode)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-cfg

Description: password-cfg is a **JSON Block**. Please see below for *logon_password-cfg*

Type: Object

password-var

Description Specify password variable name in default logon page (Default: pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

reCAPTCHA-cfg

Description: reCAPTCHA-cfg is a **JSON Block**. Please see below for *logon_reCAPTCHA-cfg*

Type: Object

site-key-string

Description Site key string

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

submit-text

Description Specify submit button text in default logon page (Default: Log In)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *logon_username-cfg*

Type: Object

username-var

Description Specify username variable name in default logon page (Default: user)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logon_passcode-cfg

Specification	
Type	*object*

passcode

Description Configure passcode text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passcode-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

passcode-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: passcode-color-name and passcode-color-value are mutually exclusive

passcode-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: passcode-color-value and passcode-color-name are mutually exclusive

passcode-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: passcode-face and passcode-font-custom are mutually exclusive

passcode-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

passcode-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: passcode-font-custom and passcode-face are mutually exclusive

passcode-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

passcode-text

Description Specify passcode text (Default: Passcode)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon_reCAPTCHA-cfg

Specification	
Type	*object*

reCAPTCHA-action

Description Specify reCAPTCHA action (Specify action string, only accept alphanumeric, underscore, and slash (Default: A10_DEFAULT_LOGON))

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: A10_DEFAULT_LOGON

reCAPTCHA-badge

Description 'bottom-left': bottom left corner; 'bottom-right': bottom right corner;

Type: string

Supported Values: bottom-left, bottom-right

Default: bottom-right

reCAPTCHA-size

Description 'normal': normal size; 'compact': compact size;

Type: string

Supported Values: normal, compact

Default: normal

reCAPTCHA-theme

Description 'light': light theme; 'dark': dark theme;

Type: string

Supported Values: light, dark

Default: light

logon_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

logon_fail-msg-cfg

Specification	
Type	*object*

authz-fail-msg

Description Configure authorization failure message in default logon page, its text attributes follow fail-msg's (Specify authorization failure message (Default: Authorization failed. Please contact your system administrator.))

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

fail-color

Description Specify font color (Default: red)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: red

Mutual Exclusion: fail-color-name and fail-color-value are mutually exclusive

fail-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: fail-color-value and fail-color-name are mutually exclusive

fail-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: fail-face and fail-font-custom are mutually exclusive

fail-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fail-font-custom and fail-face are mutually exclusive

fail-msg

Description Configure login failure message in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-size

Description Specify font size (Default: 5)

Type: number

Range: 1-7

Default: 5

fail-text

Description Specify login failure message (Default: Invalid username or password. Please try again.)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logon_password-cfg

Specification	
Type	*object*

pass-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

pass-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: pass-color-name and pass-color-value are mutually exclusive

pass-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: pass-color-value and pass-color-name are mutually exclusive

pass-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: pass-face and pass-font-custom are mutually exclusive

pass-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

pass-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pass-font-custom and pass-face are mutually exclusive

pass-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

pass-text

Description Specify password text (Default: Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Configure password text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logon_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: User Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-password

Specification	
Type	*object*

action-url

Description Specify form action URL in default change password page (Default: /change.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Description: background is a **JSON Block**. Please see below for *change-password_background*

Type: Object

cfm-pwd-cfg

Description: cfm-pwd-cfg is a **JSON Block**. Please see below for *change-password_cfm-pwd-cfg*

Type: Object

confirm-password-var

Description Specify confirm password variable name in default change password page (Default: cp_cfm_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-password-var

Description Specify new password variable name in default change password page (Default: cp_new_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pwd-cfg

Description: new-pwd-cfg is a **JSON Block**. Please see below for *change-password_new-pwd-cfg*

Type: Object

old-password-var

Description Specify old password variable name in default change password page (Default: cp_old_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Description: old-pwd-cfg is a **JSON Block**. Please see below for *change-password_old-pwd-cfg*

Type: Object

reset-text

Description Specify reset button text in default change password page (Default: Reset)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

submit-text

Description Specify submit button text in default change password page (Default: Submit)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

title-cfg

Description: title-cfg is a **JSON Block**. Please see below for *change-password_title-cfg*

Type: Object

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *change-password_username-cfg*

Type: Object

username-var

Description Specify username variable name in default change password page (Default: cp_usr)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

change-password_new-pwd-cfg

Specification	
Type	*object*

new-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: new-color-name and new-color-value are mutually exclusive

new-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: new-color-value and new-color-name are mutually exclusive

new-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: new-face and new-font-custom are mutually exclusive

new-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-font-custom and new-face are mutually exclusive

new-password

Description Configure new password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

new-text

Description Specify new password text (Default: New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

change-password_title-cfg

Specification	
Type	*object*

title

Description Configure title in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

title-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: title-color-name and title-color-value are mutually exclusive

title-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: title-color-value and title-color-name are mutually exclusive

title-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: title-face and title-font-custom are mutually exclusive

title-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: title-font-custom and title-face are mutually exclusive

title-size

Description Specify font size (Default: 5)

Type: number

Range: 1-7

Default: 5

title-text

Description Specify title (Default: Please Change Your Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

change-password_old-pwd-cfg

Specification	
Type	*object*

old-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: old-color-name and old-color-value are mutually exclusive

old-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: old-color-value and old-color-name are mutually exclusive

old-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: old-face and old-font-custom are mutually exclusive

old-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: old-font-custom and old-face are mutually exclusive

old-password

Description Configure old password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

old-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

old-text

Description Specify old password text (Default: Old Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

change-password_background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

change-password_cfm-pwd-cfg

Specification	
Type	*object*

cfm-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: cfm-color-name and cfm-color-value are mutually exclusive

cfm-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: cfm-color-value and cfm-color-name are mutually exclusive

cfm-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: cfm-face and cfm-font-custom are mutually exclusive

cfm-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: cfm-font-custom and cfm-face are mutually exclusive

cfm-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

cfm-text

Description Specify confirm password text (Default: Confirm New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password

Description Configure confirm password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-password_username-cfg

Specification	
Type	*object*

user-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: Username)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.1.26 aam authentication portal change-password

Change password page configuration

change-password Specification

Type	*Configuration Resource*
Element Name	change-password
Element URI	/axapi/v3/aam/authentication/portal/{name}/change-password
Element Attributes	change-password_attributes
Schema	`change-password schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/portal/{name}/change-password

change-password attributes

```
POST /axapi/v3/aam/authentication/portal/default-portal/change-password
Payload:
{
    "change-password": {
        "background": {
            "bgfile": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/portal/{name}/change-password

change-password attributes

```
GET /axapi/v3/aam/authentication/portal/default-portal/change-password
Reponse:
{
    "change-password": {
        "background": {
            "bgfile": "a",
            "bgstyle": "tile"
        },
        "title-cfg": {
            "title": 0
        },
        "username-cfg": {
            "username": 0
        },
        "old-pwd-cfg": {
            "old-password": 0
        },
        "new-pwd-cfg": {
            "new-password": 0
```

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```
        },
        "cfm-pwd-cfg": {
            "confirm-password": 0
        },
        "uuid": "0a938aa6-6005-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/portal/default-portal/change-password
↪"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/portal/{name}/change-password

change-password attributes

Replace Object

PUT

/axapi/v3/aam/authentication/portal/{name}/change-password

change-password attributes

```
PUT /axapi/v3/aam/authentication/portal/default-portal/change-password
Payload:
{
    "change-password": {
        "background": {
            "bgfile": "ab"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/portal/{name}/change-password

change-password attributes

```
DELETE /axapi/v3/aam/authentication/portal/default-portal/change-password
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

change-password attributes

action-url

Description Specify form action URL in default change password page (Default: /change.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Description: background is a **JSON Block**. Please see below for *background*

Type: Object

cfm-pwd-cfg

Description: cfm-pwd-cfg is a **JSON Block**. Please see below for *cfm-pwd-cfg*

Type: Object

confirm-password-var

Description Specify confirm password variable name in default change password page (Default: cp_cfm_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-password-var

Description Specify new password variable name in default change password page (Default: cp_new_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pwd-cfg

Description: new-pwd-cfg is a **JSON Block**. Please see below for *new-pwd-cfg*

Type: Object

old-password-var

Description Specify old password variable name in default change password page (Default: cp_old_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Description: old-pwd-cfg is a **JSON Block**. Please see below for *old-pwd-cfg*

Type: Object

reset-text

Description Specify reset button text in default change password page (Default: Reset)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

submit-text

Description Specify submit button text in default change password page (Default: Submit)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

title-cfg

Description: title-cfg is a **JSON Block**. Please see below for *title-cfg*

Type: Object

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *username-cfg*

Type: Object

username-var

Description Specify username variable name in default change password page (Default: cp_usr)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

new-pwd-cfg

Specification	
Type	*object*

new-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: new-color-name and new-color-value are mutually exclusive

new-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: new-color-value and new-color-name are mutually exclusive

new-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: new-face and new-font-custom are mutually exclusive

new-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-font-custom and new-face are mutually exclusive

new-password

Description Configure new password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

new-text

Description Specify new password text (Default: New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

title-cfg

Specification	
Type	*object*

title

Description Configure title in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

title-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: title-color-name and title-color-value are mutually exclusive

title-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: title-color-value and title-color-name are mutually exclusive

title-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: title-face and title-font-custom are mutually exclusive

title-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: title-font-custom and title-face are mutually exclusive

title-size

Description Specify font size (Default: 5)

Type: number

Range: 1-7

Default: 5

title-text

Description Specify title (Default: Please Change Your Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Specification	
Type	*object*

old-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: old-color-name and old-color-value are mutually exclusive

old-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: old-color-value and old-color-name are mutually exclusive

old-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: old-face and old-font-custom are mutually exclusive

old-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: old-font-custom and old-face are mutually exclusive

old-password

Description Configure old password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

old-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

old-text

Description Specify old password text (Default: Old Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

cfm-pwd-cfg

Specification	
Type	*object*

cfm-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: cfm-color-name and cfm-color-value are mutually exclusive

cfm-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: cfm-color-value and cfm-color-name are mutually exclusive

cfm-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: cfm-face and cfm-font-custom are mutually exclusive

cfm-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: cfm-font-custom and cfm-face are mutually exclusive

cfm-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

cfm-text

Description Specify confirm password text (Default: Confirm New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password

Description Configure confirm password text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

username-cfg

Specification	
Type	*object*

user-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: Username)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default change password page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.1.27 aam authentication portal logon

Logon page configuration

logon Specification

Type	*Configuration Resource*
Element Name	logon
Element URI	/axapi/v3/aam/authentication/portal/{name}/logon
Element Attributes	logon_attributes
Schema	`logon schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/portal/{name}/logon

logon attributes

```
POST /axapi/v3/aam/authentication/portal/default-portal/logon
Payload:
{
    "logon": {
        "background": {
            "bgfile": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/portal/{name}/logon

logon attributes

```
GET /axapi/v3/aam/authentication/portal/default-portal/logon
Reponse:
{
    "logon": {
        "background": {
            "bgfile": "a",
            "bgstyle": "tile"
        },
        "fail-msg-cfg": {
            "fail-msg": 0
        },
        "username-cfg": {
            "username": 0
        },
        "password-cfg": {
            "password": 0
        },
        "enable-passcode": 0,
        "passcode-cfg": {
            "passcode": 0
        },
        "enable-CAPTCHA": 0,
        "reCAPTCHA-cfg": {
            "reCAPTCHA-theme": "light",
            "reCAPTCHA-size": "normal",
            "reCAPTCHA-badge": "bottom-right",
            "reCAPTCHA-action": "A10_DEFAULT_LOGON"
        },
        "uuid": "979cd308-6005-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/portal/default-portal/logon"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/portal/{name}/logon

logon attributes

Replace Object

PUT

/axapi/v3/aam/authentication/portal/{name}/logon

logon attributes

```
PUT /axapi/v3/aam/authentication/portal/default-portal/logon
Payload:
{
    "logon": {
        "background": {
            "bgfile": "abcd"
        }
```

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```
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/portal/{name}/logon

logon attributes

```
DELETE /axapi/v3/aam/authentication/portal/default-portal/logon
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

logon attributes

action-url

Description Specify form action URL in default logon page (Default: /logon.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Description: background is a **JSON Block**. Please see below for *background*

Type: Object

captcha-type

Description 'reCAPTCHAv2-checkbox': Google reCAPTCHAv2 Checkbox; 'reCAPTCHAv2-invisible': Google reCAPTCHAv2 Invisible; 'reCAPTCHAv3': Google reCAPTCHAv3;

Type: string

Supported Values: reCAPTCHAv2-checkbox, reCAPTCHAv2-invisible, reCAPTCHAv3

enable-CAPTCHA

Description Enable CAPTCHA in deafult logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-passcode

Description Enable passcode field in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

fail-msg-cfg

Description: fail-msg-cfg is a **JSON Block**. Please see below for *fail-msg-cfg*

Type: Object

passcode-cfg

Description: passcode-cfg is a **JSON Block**. Please see below for *passcode-cfg*

Type: Object

passcode-var

Description Specify passcode variable name in default logon page (Default: passcode)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-cfg

Description: password-cfg is a **JSON Block**. Please see below for *password-cfg*

Type: Object

password-var

Description Specify password variable name in default logon page (Default: pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

reCAPTCHA-cfg

Description: reCAPTCHA-cfg is a **JSON Block**. Please see below for *reCAPTCHA-cfg*

Type: Object

site-key-string

Description Site key string

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

submit-text

Description Specify submit button text in default logon page (Default: Log In)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *username-cfg*

Type: Object

username-var

Description Specify username variable name in default logon page (Default: user)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

passcode-cfg

Specification	
Type	*object*

passcode

Description Configure passcode text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passcode-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

passcode-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: passcode-color-name and passcode-color-value are mutually exclusive

passcode-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: passcode-color-value and passcode-color-name are mutually exclusive

passcode-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: passcode-face and passcode-font-custom are mutually exclusive

passcode-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

passcode-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: passcode-font-custom and passcode-face are mutually exclusive

passcode-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

passcode-text

Description Specify passcode text (Default: Passcode)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

reCAPTCHA-cfg

Specification	
Type	*object*

reCAPTCHA-action

Description Specify reCAPTCHA action (Specify action string, only accept alphanumeric, underscore, and slash (Default: A10_DEFAULT_LOGON))

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: A10_DEFAULT_LOGON

reCAPTCHA-badge

Description 'bottom-left': bottom left corner; 'bottom-right': bottom right corner;

Type: string

Supported Values: bottom-left, bottom-right

Default: bottom-right

reCAPTCHA-size

Description 'normal': normal size; 'compact': compact size;

Type: string

Supported Values: normal, compact

Default: normal

reCAPTCHA-theme

Description 'light': light theme; 'dark': dark theme;

Type: string

Supported Values: light, dark

Default: light

background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

fail-msg-cfg

Specification	
Type	*object*

authz-fail-msg

Description Configure authorization failure message in default logon page, its text attributes follow fail-msg's (Specify authorization failure message (Default: Authorization failed. Please contact your system administrator.))

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

fail-color

Description Specify font color (Default: red)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: red

Mutual Exclusion: fail-color-name and fail-color-value are mutually exclusive

fail-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: fail-color-value and fail-color-name are mutually exclusive

fail-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: fail-face and fail-font-custom are mutually exclusive

fail-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fail-font-custom and fail-face are mutually exclusive

fail-msg

Description Configure login failure message in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-size

Description Specify font size (Default: 5)

Type: number

Range: 1-7

Default: 5

fail-text

Description Specify login failure message (Default: Invalid username or password. Please try again.)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password-cfg

Specification	
Type	*object*

pass-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

pass-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: pass-color-name and pass-color-value are mutually exclusive

pass-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: pass-color-value and pass-color-name are mutually exclusive

pass-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: pass-face and pass-font-custom are mutually exclusive

pass-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

pass-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pass-font-custom and pass-face are mutually exclusive

pass-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

pass-text

Description Specify password text (Default: Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Configure password text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

username-cfg

Specification	
Type	*object*

user-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: User Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default logon page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.1.28 aam authentication portal logon-fail

Logon fail page configuration

logon-fail Specification

Type	*Configuration Resource*
Element Name	logon-fail
Element URI	/axapi/v3/aam/authentication/portal/{name}/logon-fail
Element Attributes	logon-fail_attributes
Schema	`logon-fail schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/portal/{name}/logon-fail

logon-fail attributes

```
POST /axapi/v3/aam/authentication/portal/default-portal/logon-fail
Payload:
{
    "logon-fail": {
        "background": {
            "bgfile": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/portal/{name}/logon-fail

logon-fail attributes

```
GET /axapi/v3/aam/authentication/portal/default-portal/logon-fail
Reponse:
{
    "logon-fail": {
        "background": {
            "bgfile": "a",
            "bgstyle": "tile"
        },
        "title-cfg": {
            "title": 0
        },
        "fail-msg-cfg": {
            "fail-msg": 0
        },
        "uuid": "251853d8-6006-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/portal/default-portal/logon-fail"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/portal/{name}/logon-fail

logon-fail attributes

Replace Object

PUT

/axapi/v3/aam/authentication/portal/{name}/logon-fail

logon-fail attributes

```
PUT /axapi/v3/aam/authentication/portal/default-portal/logon-fail
Payload:
{
    "logon-fail": {
        "background": {
            "bgfile": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/portal/{name}/logon-fail

logon-fail attributes

```
DELETE /axapi/v3/aam/authentication/portal/default-portal/logon-fail
Reponse:
{
    "response": {
```

(continues on next page)

(continued from previous page)

```
        "status": "OK"
    }
}
```

logon-fail attributes

background

Description: background is a **JSON Block**. Please see below for *background*

Type: Object

fail-msg-cfg

Description: fail-msg-cfg is a **JSON Block**. Please see below for *fail-msg-cfg*

Type: Object

title-cfg

Description: title-cfg is a **JSON Block**. Please see below for *title-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fail-msg-cfg

Specification	
Type	*object*

fail-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: fail-color-name and fail-color-value are mutually exclusive

fail-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: fail-color-value and fail-color-name are mutually exclusive

fail-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: fail-face and fail-font-custom are mutually exclusive

fail-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fail-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fail-font-custom and fail-face are mutually exclusive

fail-msg

Description Configure logon failure message in default logon fail page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

fail-text

Description Specify logon failure message (Default: Login Failed!!)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

title-cfg

Specification	
Type	*object*

title

Description Configure title in default logon fail page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

title-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: title-color-name and title-color-value are mutually exclusive

title-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: title-color-value and title-color-name are mutually exclusive

title-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: title-face and title-font-custom are mutually exclusive

title-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

title-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: title-font-custom and title-face are mutually exclusive

title-size

Description Specify font size (Default: 5)

Type: number

Range: 1-7

Default: 5

title-text

Description Specify title (Default: Try Too Many Times)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

2.1.29 aam authentication portal notify-change-password

Change password notification page configuration

notify-change-password Specification

Type	*Configuration Resource*
Element Name	notify-change-password
Element URI	/axapi/v3/aam/authentication/portal/{name}/notify-change-password
Element Attributes	notify-change-password_attributes
Schema	`notify-change-password schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/portal/{name}/notify-change-password

notify-change-password attributes

Get Object

GET

/axapi/v3/aam/authentication/portal/{name}/notify-change-password

notify-change-password attributes

Modify Object

POST

/axapi/v3/aam/authentication/portal/{name}/notify-change-password

notify-change-password attributes

Replace Object

PUT

/axapi/v3/aam/authentication/portal/{name}/notify-change-password

notify-change-password attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/portal/{name}/notify-change-password

notify-change-password attributes

notify-change-password attributes

background

Description: background is a **JSON Block**. Please see below for *background*

Type: Object

cfm-pwd-cfg

Description: cfm-pwd-cfg is a **JSON Block**. Please see below for *cfm-pwd-cfg*

Type: Object

change-text

Description Specify change button text in default change password notification page (Default: Change)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

change-url

Description Specify change password action URL in default change password notification page (Default: /notify_change.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password-var

Description Specify confirm password variable name in default change password notification page (Default: cp_cfm_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

continue-text

Description Specify continue button text in default change password notification page (Default: Continue)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

continue-url

Description Specify continue action URL in default change password notification page (Default: /continue.fo)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-password-var

Description Specify new password variable name in default change password notification page (Default: cp_new_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

new-pwd-cfg

Description: new-pwd-cfg is a **JSON Block**. Please see below for *new-pwd-cfg*

Type: Object

old-password-var

Description Specify old password variable name in default change password notification page (Default: cp_old_pwd)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Description: old-pwd-cfg is a **JSON Block**. Please see below for *old-pwd-cfg*

Type: Object

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *username-cfg*

Type: Object

username-var

Description Specify username variable name in default change password notification page (Default: cp_usr)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

new-pwd-cfg

Specification	
Type	*object*

new-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: new-color-name and new-color-value are mutually exclusive

new-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: new-color-value and new-color-name are mutually exclusive

new-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: new-face and new-font-custom are mutually exclusive

new-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

new-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: new-font-custom and new-face are mutually exclusive

new-password

Description Configure new password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

new-text

Description Specify new password text (Default: New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

old-pwd-cfg

Specification	
Type	*object*

old-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: old-color-name and old-color-value are mutually exclusive

old-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: old-color-value and old-color-name are mutually exclusive

old-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: old-face and old-font-custom are mutually exclusive

old-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

old-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: old-font-custom and old-face are mutually exclusive

old-password

Description Configure old password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

old-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

old-text

Description Specify old password text (Default: Old Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

background

Specification	
Type	*object*

bgcolor-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: white

Mutual Exclusion: bgcolor-name bgfile and bgcolor-value are mutually exclusive

bgcolor-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: bgcolor-value bgfile and bgcolor-name are mutually exclusive

bgfile

Description Specify background image filename

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bgfile bgcolor-name and bgcolor-value are mutually exclusive

bgstyle

Description 'tile': Tile; 'stretch': Stretch; 'fit': Fit;

Type: string

Supported Values: tile, stretch, fit

Default: tile

cfm-pwd-cfg

Specification	
Type	*object*

cfm-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: cfm-color-name and cfm-color-value are mutually exclusive

cfm-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: cfm-color-value and cfm-color-name are mutually exclusive

cfm-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: cfm-face and cfm-font-custom are mutually exclusive

cfm-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cfm-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: cfm-font-custom and cfm-face are mutually exclusive

cfm-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

cfm-text

Description Specify confirm password text (Default: Confirm New Password)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

confirm-password

Description Configure confirm password text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

username-cfg

Specification	
Type	*object*

user-color

Description Specify font color (Default: black)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-color-name

Description 'aqua': aqua; 'black': black; 'blue': blue; 'fuchsia': fuchsia; 'gray': gray; 'green': green; 'lime': lime; 'maroon': maroon; 'navy': navy; 'olive': olive; 'orange': orange; 'purple': purple; 'red': red; 'silver': silver; 'teal': teal; 'white': white; 'yellow': yellow;

Type: string

Supported Values: aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow

Default: black

Mutual Exclusion: user-color-name and user-color-value are mutually exclusive

user-color-value

Description Specify 6-digit HEX color value

Type: string

Maximum Length: 6 characters

Maximum Length: 6 characters

Mutual Exclusion: user-color-value and user-color-name are mutually exclusive

user-face

Description 'Arial': Arial; 'Courier_New': Courier New; 'Georgia': Georgia; 'Times_New_Roman': Times New Roman; 'Verdana': Verdana;

Type: string

Supported Values: Arial, Courier_New, Georgia, Times_New_Roman, Verdana

Default: Arial

Mutual Exclusion: user-face and user-font-custom are mutually exclusive

user-font

Description Sepcify font (Default: Arial)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-font-custom

Description Specify custom font

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: user-font-custom and user-face are mutually exclusive

user-size

Description Specify font size (Default: 3)

Type: number

Range: 1-7

Default: 3

user-text

Description Specify username text (Default: Username)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Configure username text in default change password notification page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.1.30 aam authentication relay

Authentication relay configuration

relay Specification

Type	*Intermediate Resource*
Element Name	relay
Element URI	/axapi/v3/aam/authentication/relay
Element Attributes	relay_attributes
Schema	`relay schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication/relay

relay_attributes

relay attributes

form-based

Description: form-based is a **JSON Block**. Please see below for *form-based*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/form-based*

http-basic

Description: http-basic is a **JSON Block**. Please see below for *http-basic*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic*

kerberos

Description: kerberos is a **JSON Block**. Please see below for *kerberos*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/relay/kerberos*

ntlm-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/ntlm/{name}*

oauth-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/oauth/{name}*

saml-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/saml/{name}*

ws-federation-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/ws-federation/{name}*

ntlm-list

Specification	
Type	*list*
Block object keys	

domain

Description Specify NTLM domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-request-disable

Description Disable NTLM relay processing for large requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify NTLM authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description Specify NTLM version, default is NTLM 2

Type: number

Range: 1-2

Default: 2

ntlm-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'failure': Failure; 'request': Request; 'response': Response; 'http-code-200': HTTP 200 OK; 'http-code-400': HTTP 400 Bad Request; 'http-code-401': HTTP 401 Unauthorized; 'http-code-403': HTTP 403 Forbidden; 'http-code-404': HTTP 404 Not Found; 'http-code-500': HTTP 500 Internal Server Error; 'http-code-503': HTTP 503 Service Unavailable; 'http-code-other': Other HTTP Response; 'buffer-alloc-fail': Buffer Allocation Failure; 'encoding-fail': Encoding Failure; 'insert-header-fail': Insert Header Failure; 'parse-header-fail': Parse Header Failure; 'internal-error': Internal Error;

Type: string

Supported Values: all, success, failure, request, response, http-code-200, http-code-400, http-code-401, http-code-403, http-code-404, http-code-500, http-code-503, http-code-other, buffer-alloc-fail, encoding-fail, insert-header-fail, parse-header-fail, internal-error, ntlm-auth-skipped, large-request-processing, large-request-flushed, head-negotiate-request-sent, head-auth-request-sent

form-based

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}*

form-based_instance-list

Specification	
Type	*list*
Block object keys	

name

Description Specify form-based authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl*

request-uri-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

form-based_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'invalid_srv_rsp': Invalid Server Response; 'post_fail': POST Failed; 'invalid_cred': Invalid Credential; 'bad_req': Bad Request; 'not_fnd': Not Found; 'error': Internal Server Error; 'other_error': Other Error;

Type: string

Supported Values: all, request, invalid_srv_rsp, post_fail, invalid_cred, bad_req, not_fnd, error, other_error

form-based_instance-list_request-uri-list

Specification	
Type	*list*
Block object keys	

action-uri

Description Specify the action-URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cookie

Description: cookie is a **JSON Block**. Please see below for *form-based_instance-list_request-uri-list_cookie*

Type: Object

domain-variable

Description Specify domain variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

max-packet-collect-size

Description Specify the max packet collection size in bytes, default is 1MB

Type: number

Range: 1024-2097152

Default: 1048576

other-variables

Description Specify other variables (n1=v1&n2=v2) in form relay

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uri

Description Specify request URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-variable

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

form-based_instance-list_request-uri-list_cookie

Specification	
Type	*object*

cookie-value

Description: cookie-value is a **JSON Block**. Please see below for *form-based_instance-list_request-uri-list_cookie_cookie-value*

Type: Object

form-based_instance-list_request-uri-list_cookie_cookie-value

Specification	
Type	*object*

cookie-value

Description Specify cookie in POST packet

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ws-federation-list

Specification	
Type	*list*
Block object keys	

application-server

Description 'sharepoint': Microsoft SharePoint; 'exchange-owa': Microsoft Exchange OWA;

Type: string

Supported Values: sharepoint, exchange-owa

authentication-uri

Description Specify WS-Federation relay URI, default is /_trust/

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify WS-Federation authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ws-federation-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'success': Success; 'failure': Failure;

Type: string

Supported Values: all, request, success, failure

oauth-list

Specification	
Type	*list*
Block object keys	

all

Description All URI can be relay

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and match-type are mutually exclusive

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

Mutual Exclusion: match-type and all are mutually exclusive

match-uri

Description

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description Specify oauth authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

relay-type

Description 'access-token': Relay access token to backend; 'id-token': Relay JWT to backend;

Type: string

Supported Values: access-token, id-token

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oauth-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'relay-req': relay-req; 'relay-succ': relay-succ; 'relay-fail': relay-fail;

Type: string

Supported Values: all, relay-req, relay-succ, relay-fail

saml-list

Specification	
Type	*list*
Block object keys	

idp-auth-uri

Description Specify the URI for IDP to handle SAML authentication request

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

match-uri

Description Match URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method

Description 'get-from-backend': Get RelayState parameter from backend server; 'request-uri': Use the (URL encoded) current request-uri as the RelayState;

Type: string

Supported Values: get-from-backend, request-uri

Mutual Exclusion: method and value are mutually exclusive

name

Description Specify SAML authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

relay-acs-uri

Description Specify the backend server assertion consuming service URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

retry-number

Description Specify how many continuous fail for SAML relay will trigger. Default will not retry.

Type: number

Range: 0-10

Default: 0

sampling-enable

Type: List

server-cookie-name

Description Specify the cookie name that used by backend server for authenticated users

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Use the fixed string as the RelayState

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: value and method are mutually exclusive

saml-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'success': Success; 'failure': Failure; 'error': Error;

Type: string

Supported Values: all, request, success, failure, error

kerberos

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/kerberos/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kerberos_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Total Request Send; 'response-get': Total Response Get; 'timeout-error': Total Timeout; 'other-error': Total Other Error; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error;

Type: string

Supported Values: all, request-send, response-get, timeout-error, other-error, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error

kerberos_instance-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

kerberos-account

Description Specify the kerberos account name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kerberos-kdc

Description Specify the kerberos kdc ip or host name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc and kerberos-kdc-service-group are mutually exclusive

kerberos-kdc-service-group

Description Specify an authentication service group as multiple KDCs

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc-service-group and kerberos-kdc are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

kerberos-realm

Description Specify the kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify Kerberos authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of Kerberos password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Specify The KDC port, default is 88

Type: number

Range: 1-65535

Default: 88

sampling-enable

Type: List

secret-string

Description The kerberos client password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

timeout

Description Specify timeout for kerberos transport, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kerberos_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Request Send; 'response-receive': Response Receive; 'current-requests-of-user': Current Pending Requests of User; 'tickets': Tickets;

Type: string

Supported Values: all, request-send, response-receive, current-requests-of-user, tickets

http-basic

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic/instance/{name}*

http-basic_instance-list

Specification	
Type	*list*
Block object keys	

domain

Description Specify user domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-format

Description 'user-principal-name': Append domain with User Principal Name format. (e.g. user@domain); 'down-level-logon-name': Append domain with Down-Level Logon Name format. (e.g. domainuser);

Type: string

Supported Values: user-principal-name, down-level-logon-name

Default: down-level-logon-name

name

Description Specify HTTP basic authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-basic_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'no-creds': No Credential; 'bad-req': Bad Request; 'unauth': Unauthorized; 'forbidden': Forbidden; 'not-found': Not Found; 'server-error': Internal Server Error; 'unavailable': Service Unavailable;

Type: string

Supported Values: all, success, no-creds, bad-req, unauth, forbidden, not-found, server-error, unavailable

2.1.31 aam authentication relay form-based

Form-based Authentication Relay

form-based Specification

Type	*Intermediate Resource*
Element Name	form-based
Element URI	/axapi/v3/aam/authentication/relay/form-based
Element Attributes	form-based_attributes
Schema	`form-based schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication/relay/form-based

form-based_attributes

form-based attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}*

instance-list

Specification	
Type	*list*
Block object keys	

name

Description Specify form-based authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl*

request-uri-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'invalid_srv_rsp': Invalid Server Response; 'post_fail': POST Failed; 'invalid_cred': Invalid Credential; 'bad_req': Bad Request; 'not_fnd': Not Found; 'error': Internal Server Error; 'other_error': Other Error;

Type: string

Supported Values: all, request, invalid_srv_rsp, post_fail, invalid_cred, bad_req, not_fnd, error, other_error

instance-list_request-uri-list

Specification	
Type	*list*
Block object keys	

action-uri

Description Specify the action-URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cookie

Description: cookie is a **JSON Block**. Please see below for *instance-list_request-uri-list_cookie*

Type: Object

domain-variable

Description Specify domain variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

max-packet-collect-size

Description Specify the max packet collection size in bytes, default is 1MB

Type: number

Range: 1024-2097152

Default: 1048576

other-variables

Description Specify other variables (n1=v1&n2=v2) in form relay

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uri

Description Specify request URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-variable

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list_request-uri-list_cookie

Specification	
Type	*object*

cookie-value

Description: cookie-value is a **JSON Block**. Please see below for *instance-list_request-uri-list_cookie_cookie-value*

Type: Object

instance-list_request-uri-list_cookie_cookie-value

Specification	
Type	*object*

cookie-value

Description Specify cookie in POST packet

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.1.32 aam authentication relay form-based instance

Form-based Authentication Relay

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/relay/form-based/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/relay/form-based/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/relay/form-based/instance/{name}/stats
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/form-based/instance

instance attributes

```
POST /axapi/v3/aam/authentication/relay/form-based/instance/
Payload:
{
    "instance": {
        "name": "a",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/relay/form-based/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/relay/form-based/instance/{name}

instance attributes

```
GET /axapi/v3/aam/authentication/relay/form-based/instance/a
Reponse:
{
    "instance": {
        "name": "a",
        "uuid": "f4be935e-6006-11d9-9363-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/relay/form-based/instance/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/relay/form-based/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/relay/form-based/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/form-based/instance/{name}

instance attributes

```
PUT /axapi/v3/aam/authentication/relay/form-based/instance/a
Payload:
{
    "instance": {
        "name": "a",
        "sampling-enable": [
            {
                "counters1": "request"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/relay/form-based/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/form-based/instance/{name}

instance attributes

```
DELETE /axapi/v3/aam/authentication/relay/form-based/instance/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

name

Description Specify form-based authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl*

request-uri-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'invalid_srv_rsp': Invalid Server Response; 'post_fail': POST Failed; 'invalid_cred': Invalid Credential; 'bad_req': Bad Request; 'not_fnd': Not Found; 'error': Internal Server Error; 'other_error': Other Error;

Type: string

Supported Values: all, request, invalid_srv_rsp, post_fail, invalid_cred, bad_req, not_fnd, error, other_error

request-uri-list

Specification	
Type	*list*
Block object keys	

action-uri

Description Specify the action-URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cookie

Description: cookie is a **JSON Block**. Please see below for *request-uri-list_cookie*

Type: Object

domain-variable

Description Specify domain variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

max-packet-collect-size

Description Specify the max packet collection size in bytes, default is 1MB

Type: number

Range: 1024-2097152

Default: 1048576

other-variables

Description Specify other variables (n1=v1&n2=v2) in form relay

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uri

Description Specify request URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-variable

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

request-uri-list_cookie

Specification	
Type	*object*

cookie-value

Description: cookie-value is a **JSON Block**. Please see below for *request-uri-list_cookie_cookie-value*

Type: Object

request-uri-list_cookie_cookie-value

Specification	
Type	*object*

cookie-value

Description Specify cookie in POST packet

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	invalid_cred	8	Invalid Credential
	bad_req	8	Bad Request
	other_error	8	Other Error
	request	8	Request
	invalid_srv_rsp	8	Invalid Server Response
	post_fail	8	POST Failed
	error	8	Internal Server Error
	not_fnd	8	Not Found

2.1.33 aam authentication relay form-based instance request-uri

URI of authentication web page

request-uri Specification

Type	*Collection*
Object Key(s)	*match-type, uri*
Collection Name	*request-uri-list*
Collection URI	/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri
Element Name	request-uri
Element URI	/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}
Element Attributes	request-uri_attributes
Schema	`request-uri schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri

request-uri attributes

Create List

POST

/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri

request-uri attributes

Get Object

GET

/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}

request-uri attributes

Get List

GET

/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri

request-uri-list

Modify Object

POST

/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}

request-uri attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}

request-uri attributes

Replace List

PUT

/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri

request-uri-list

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/form-based/instance/{name}/request-uri/{match-type}+{uri}

request-uri attributes

request-uri-list

request-uri-list is **JSON List** of *request-uri attributes*

request-uri-list : [

{ *request-uri attributes* },

{ *request-uri attributes* },

...

]

request-uri attributes

action-uri

Description Specify the action-URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cookie

Description: cookie is a **JSON Block**. Please see below for *cookie*

Type: Object

domain-variable

Description Specify domain variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

max-packet-collect-size

Description Specify the max packet collection size in bytes, default is 1MB

Type: number

Range: 1024-2097152

Default: 1048576

other-variables

Description Specify other variables (n1=v1&n2=v2) in form relay

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password-variable

Description Specify password variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uri

Description Specify request URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-variable

Description Specify username variable name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cookie

Specification	
Type	*object*

cookie-value

Description: cookie-value is a **JSON Block**. Please see below for *cookie_cookie-value*

Type: Object

cookie_cookie-value

Specification	
Type	*object*

cookie-value

Description Specify cookie in POST packet

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.1.34 aam authentication relay http-basic

HTTP Basic Authentication Relay

http-basic Specification

Type	*Intermediate Resource*
Element Name	http-basic
Element URI	/axapi/v3/aam/authentication/relay/http-basic
Element Attributes	http-basic_attributes
Schema	`http-basic schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication/relay/http-basic

http-basic_attributes

http-basic attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic/instance/{name}*

instance-list

Specification	
Type	*list*
Block object keys	

domain

Description Specify user domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-format

Description 'user-principal-name': Append domain with User Principal Name format. (e.g. user@domain); 'down-level-logon-name': Append domain with Down-Level Logon Name format. (e.g. domainuser);

Type: string

Supported Values: user-principal-name, down-level-logon-name

Default: down-level-logon-name

name

Description Specify HTTP basic authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'no-creds': No Credential; 'bad-req': Bad Request; 'unauth': Unauthorized; 'forbidden': Forbidden; 'not-found': Not Found; 'server-error': Internal Server Error; 'unavailable': Service Unavailable;

Type: string

Supported Values: all, success, no-creds, bad-req, unauth, forbidden, not-found, server-error, unavailable

2.1.35 aam authentication relay http-basic instance

HTTP Basic Authentication Relay instance

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/relay/http-basic/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/relay/http-basic/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/relay/http-basic/instance/{name}/stats
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/http-basic/instance

instance attributes

```
POST /axapi/v3/aam/authentication/relay/http-basic/instance/
Payload:
{
    "instance": {
        "name": "a",
        "domain": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/relay/http-basic/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/relay/http-basic/instance/{name}

instance attributes

```
GET /axapi/v3/aam/authentication/relay/http-basic/instance/a
Reponse:
{
    "instance": {
```

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```
        "name": "a",
        "domain": "a",
        "domain-format": "down-level-logon-name",
        "uuid": "3e406e94-6007-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/relay/http-basic/instance/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/relay/http-basic/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/relay/http-basic/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/http-basic/instance/{name}

instance attributes

```
PUT /axapi/v3/aam/authentication/relay/http-basic/instance/a
Payload:
{
    "instance": {
        "name": "a",
        "domain": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/relay/http-basic/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/http-basic/instance/{name}

instance attributes

```
DELETE /axapi/v3/aam/authentication/relay/http-basic/instance/a
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

domain

Description Specify user domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-format

Description 'user-principal-name': Append domain with User Principal Name format. (e.g. user@domain); 'down-level-logon-name': Append domain with Down-Level Logon Name format. (e.g. domainuser);

Type: string

Supported Values: user-principal-name, down-level-logon-name

Default: down-level-logon-name

name

Description Specify HTTP basic authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'no-creds': No Credential; 'bad-req': Bad Request; 'unauth': Unauthorized; 'forbidden': Forbidden; 'not-found': Not Found; 'server-error': Internal Server Error; 'unavailable': Service Unavailable;

Type: string

Supported Values: all, success, no-creds, bad-req, unauth, forbidden, not-found, server-error, unavailable

stats data

	Counter	Size	Description
	bad-req	8	Bad Request
	unavailable	8	Service Unavailable
	success	8	Success
	forbidden	8	Forbidden
	no-creds	8	No Credential
	server-error	8	Internal Server Error
	not-found	8	Not Found
	unauth	8	Unauthorized

2.1.36 aam authentication relay kerberos

Kerberos Authentication Relay

kerberos Specification

Type	*Configuration Resource*
Element Name	kerberos
Element URI	/axapi/v3/aam/authentication/relay/kerberos
Element Attributes	kerberos_attributes
Statistics Data URI	/axapi/v3/aam/authentication/relay/kerberos/stats
Schema	`kerberos schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/kerberos

kerberos attributes

```
POST /axapi/v3/aam/authentication/relay/kerberos
Payload:
{
    "kerberos": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/relay/kerberos

kerberos attributes

```
GET /axapi/v3/aam/authentication/relay/kerberos
Reponse:
{
    "kerberos": {
        "uuid": "0447a608-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/relay/kerberos"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/relay/kerberos

kerberos attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/kerberos

kerberos attributes

```
PUT /axapi/v3/aam/authentication/relay/kerberos
Payload:
{
    "kerberos": {
        "sampling-enable": [
            {
                "counters1": "request-send"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/kerberos

kerberos attributes

```
DELETE /axapi/v3/aam/authentication/relay/kerberos
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

kerberos attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/relay/kerberos/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Total Request Send; 'response-get': Total Response Get; 'timeout-error': Total Timeout; 'other-error': Total Other Error; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error;

Type: string

Supported Values: all, request-send, response-get, timeout-error, other-error, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error

instance-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

kerberos-account

Description Specify the kerberos account name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kerberos-kdc

Description Specify the kerberos kdc ip or host name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc and kerberos-kdc-service-group are mutually exclusive

kerberos-kdc-service-group

Description Specify an authentication service group as multiple KDCs

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc-service-group and kerberos-kdc are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

kerberos-realm

Description Specify the kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify Kerberos authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of Kerberos password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Specify The KDC port, default is 88

Type: number

Range: 1-65535

Default: 88

sampling-enable

Type: List

secret-string

Description The kerberos client password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

timeout

Description Specify timeout for kerberos transport, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Request Send; 'response-receive': Response Receive; 'current-requests-of-user': Current Pending Requests of User; 'tickets': Tickets;

Type: string

Supported Values: all, request-send, response-receive, current-requests-of-user, tickets

stats data

	Counter	Size	Description
	request-send	8	Total Request Send
	request-normal	8	Total Normal Request
	timeout-error	8	Total Timeout
	response-timeout	8	Total Timeout Response
	response-other	8	Total Other Response
	response-failure	8	Total Failure Response
	polling-control-error	8	Total Polling Control Error
	other-error	8	Total Other Error
	request-dropped	8	Total Dropped Request
	response-get	8	Total Response Get
	response-success	8	Total Success Response
	job-start-error	8	Total Job Start Error
	response-error	8	Total Error Response

2.1.37 aam authentication relay kerberos instance

Kerberos Authentication Relay

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/relay/kerberos/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/relay/kerberos/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/relay/kerberos/instance/{name}/stats
Operational Data URI	/axapi/v3/aam/authentication/relay/kerberos/instance/{name}/oper
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/kerberos/instance

instance attributes

```
POST /axapi/v3/aam/authentication/relay/kerberos/instance/
Payload:
{
    "instance": {
        "name": "a",
        "kerberos-realm": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/relay/kerberos/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/relay/kerberos/instance/{name}

instance attributes

```
GET /axapi/v3/aam/authentication/relay/kerberos/instance/a
Reponse:
{
    "instance": {
        "name": "a",
        "kerberos-realm": "a",
        "password": 0,
        "port": 88,
        "timeout": 10,
        "uuid": "67885c62-6007-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/relay/kerberos/instance/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/relay/kerberos/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/relay/kerberos/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/kerberos/instance/{name}

instance attributes

```
PUT /axapi/v3/aam/authentication/relay/kerberos/instance/a
Payload:
{
    "instance": {
        "name": "a",
        "kerberos-realm": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/relay/kerberos/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/kerberos/instance/{name}

instance attributes

```
DELETE /axapi/v3/aam/authentication/relay/kerberos/instance/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

kerberos-account

Description Specify the kerberos account name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kerberos-kdc

Description Specify the kerberos kdc ip or host name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc and kerberos-kdc-service-group are mutually exclusive

kerberos-kdc-service-group

Description Specify an authentication service group as multiple KDCs

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: kerberos-kdc-service-group and kerberos-kdc are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

kerberos-realm

Description Specify the kerberos realm

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify Kerberos authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify password of Kerberos password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Specify The KDC port, default is 88

Type: number

Range: 1-65535

Default: 88

sampling-enable

Type: List

secret-string

Description The kerberos client password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

timeout

Description Specify timeout for kerberos transport, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-send': Request Send; 'response-receive': Response Receive; 'current-requests-of-user': Current Pending Requests of User; 'tickets': Tickets;

Type: string

Supported Values: all, request-send, response-receive, current-requests-of-user, tickets

stats data

	Counter	Size	Description
	current-requests-of-user	8	Current Pending Requests of User
	response-receive	8	Response Receive
	request-send	8	Request Send
	tickets	8	Tickets

operational data

	Counter	Size	Description
	ticket-cache	string	ticket-cache
	item-list		item-list
	default-principal	string	default-principal

2.1.38 aam authentication relay ntlm

NTLM Authentication Relay

ntlm Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*ntlm-list*
Collection URI	/axapi/v3/aam/authentication/relay/ntlm
Element Name	ntlm
Element URI	/axapi/v3/aam/authentication/relay/ntlm/{name}
Element Attributes	ntlm_attributes
Statistics Data URI	/axapi/v3/aam/authentication/relay/ntlm/{name}/stats
Schema	`ntlm schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/ntlm

ntlm attributes

```
POST /axapi/v3/aam/authentication/relay/ntlm/
Payload:
{
    "ntlm": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/relay/ntlm

ntlm attributes

Get Object

GET

/axapi/v3/aam/authentication/relay/ntlm/{name}

ntlm attributes

```
GET /axapi/v3/aam/authentication/relay/ntlm/a
Reponse:
{
    "ntlm": {
        "name": "a",
        "version": 2,
        "uuid": "770b36e6-6007-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/authentication/relay/ntlm/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/relay/ntlm

ntlm-list

Modify Object

POST

/axapi/v3/aam/authentication/relay/ntlm/{name}

ntlm attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/ntlm/{name}

ntlm attributes

```
PUT /axapi/v3/aam/authentication/relay/ntlm/a
Payload:
{
    "ntlm": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/relay/ntlm

ntlm-list

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/ntlm/{name}

ntlm attributes

```
DELETE /axapi/v3/aam/authentication/relay/ntlm/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ntlm-list

ntlm-list is **JSON List** of *ntlm attributes*

ntlm-list : [

{ *ntlm attributes* },

{ *ntlm attributes* },

...

]

ntlm attributes

domain

Description Specify NTLM domain, default is null

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-request-disable

Description Disable NTLM relay processing for large requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify NTLM authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description Specify NTLM version, default is NTLM 2

Type: number

Range: 1-2

Default: 2

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'success': Success; 'failure': Failure; 'request': Request; 'response': Response; 'http-code-200': HTTP 200 OK; 'http-code-400': HTTP 400 Bad Request; 'http-code-401': HTTP 401 Unauthorized; 'http-code-403': HTTP 403 Forbidden; 'http-code-404': HTTP 404 Not Found; 'http-code-500': HTTP 500 Internal Server Error; 'http-code-503': HTTP 503 Service Unavailable; 'http-code-other': Other HTTP Response; 'buffer-alloc-fail': Buffer Allocation Failure; 'encoding-fail': Encoding Failure; 'insert-header-fail': Insert Header Failure; 'parse-header-fail': Parse Header Failure; 'internal-error': Internal Error;

Type: string

Supported Values: all, success, failure, request, response, http-code-200, http-code-400, http-code-401, http-code-403, http-code-404, http-code-500, http-code-503, http-code-other, buffer-alloc-fail, encoding-fail, insert-header-fail, parse-header-fail, internal-error, ntlm-auth-skipped, large-request-processing, large-request-flushed, head-negotiate-request-sent, head-auth-request-sent

stats data

	Counter	Size	Description
	parse-header-fail	8	Parse Header Failure
	ntlm-auth-skipped	8	Requests for which NTLM relay is skipped
	head-negotiate-request-sent	8	HEAD requests sent with NEGOTIATE header
	http-code-other	8	Other HTTP Response
	internal-error	8	Internal Error
	buffer-alloc-fail	8	Buffer Allocation Failure
	failure	8	Failure
	http-code-400	8	HTTP 400 Bad Request
	http-code-401	8	HTTP 401 Unauthorized
	http-code-403	8	HTTP 403 Forbidden
	http-code-404	8	HTTP 404 Not Found
	http-code-500	8	HTTP 500 Internal Server Error
	http-code-503	8	HTTP 503 Service Unavailable
	large-request-processing	8	Requests invoking large request processing
	response	8	Response
	head-auth-request-sent	8	HEAD requests sent with AUTH header
	http-code-200	8	HTTP 200 OK
	success	8	Success
	encoding-fail	8	Encoding Failure
	request	8	Request
	large-request-flushed	8	Large requests sent to server
	insert-header-fail	8	Insert Header Failure

2.1.39 aam authentication relay oauth

Oauth 2.0 Authentication Relay

oauth Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*oauth-list*
Collection URI	/axapi/v3/aam/authentication/relay/oauth
Element Name	oauth
Element URI	/axapi/v3/aam/authentication/relay/oauth/{name}
Element Attributes	oauth_attributes
Statistics Data URI	/axapi/v3/aam/authentication/relay/oauth/{name}/stats
Schema	`oauth schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/oauth

oauth attributes

Create List

POST

/axapi/v3/aam/authentication/relay/oauth

oauth attributes

Get Object

GET

/axapi/v3/aam/authentication/relay/oauth/{name}

oauth attributes

Get List

GET

/axapi/v3/aam/authentication/relay/oauth

oauth-list

Modify Object

POST

/axapi/v3/aam/authentication/relay/oauth/{name}

oauth attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/oauth/{name}

oauth attributes

Replace List

PUT

/axapi/v3/aam/authentication/relay/oauth

oauth-list

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/oauth/{name}

oauth attributes

oauth-list

oauth-list is **JSON List** of *oauth attributes*

oauth-list : [

{ *oauth attributes* },

{ *oauth attributes* },

...

]

oauth attributes

all

Description All URI can be relay

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and match-type are mutually exclusive

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

Mutual Exclusion: match-type and all are mutually exclusive

match-uri

Description

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description Specify oauth authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

relay-type

Description 'access-token': Relay access token to backend; 'id-token': Relay JWT to backend;

Type: string

Supported Values: access-token, id-token

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'relay-req': relay-req; 'relay-succ': relay-succ; 'relay-fail': relay-fail;

Type: string

Supported Values: all, relay-req, relay-succ, relay-fail

stats data

	Counter	Size	Description
	relay-succ	8	relay-succ
	relay-fail	8	relay-fail
	relay-req	8	relay-req

2.1.40 aam authentication relay saml

SAML Authentication Relay

saml Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*saml-list*
Collection URI	/axapi/v3/aam/authentication/relay/saml
Element Name	saml
Element URI	/axapi/v3/aam/authentication/relay/saml/{name}
Element Attributes	saml_attributes
Statistics Data URI	/axapi/v3/aam/authentication/relay/saml/{name}/stats
Schema	`saml schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/saml

saml attributes

Create List

POST

/axapi/v3/aam/authentication/relay/saml

saml attributes

Get Object

GET

/axapi/v3/aam/authentication/relay/saml/{name}

saml attributes

Get List

GET

/axapi/v3/aam/authentication/relay/saml

saml-list

Modify Object

POST

/axapi/v3/aam/authentication/relay/saml/{name}

saml attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/saml/{name}

saml attributes

Replace List

PUT

/axapi/v3/aam/authentication/relay/saml

saml-list

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/saml/{name}

saml attributes

saml-list

saml-list is **JSON List** of *saml attributes*

saml-list : [

{ *saml attributes* },

{ *saml attributes* },

...

]

saml attributes

idp-auth-uri

Description Specify the URI for IDP to handle SAML authentication request

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-type

Description 'equals': URI exactly matches the string; 'contains': URI string contains another sub string; 'starts-with': URI string starts with sub string; 'ends-with': URI string ends with sub string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

match-uri

Description Match URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method

Description 'get-from-backend': Get RelayState parameter from backend server; 'request-uri': Use the (URL encoded) current request-uri as the RelayState;

Type: string

Supported Values: get-from-backend, request-uri

Mutual Exclusion: method and value are mutually exclusive

name

Description Specify SAML authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

relay-acs-uri

Description Specify the backend server assertion consuming service URI

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

retry-number

Description Specify how many continuous fail for SAML relay will trigger. Default will not retry.

Type: number

Range: 0-10

Default: 0

sampling-enable

Type: List

server-cookie-name

Description Specify the cookie name that used by backend server for authenticated users

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Use the fixed string as the RelayState

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: value and method are mutually exclusive

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'success': Success; 'failure': Failure; 'error': Error;

Type: string

Supported Values: all, request, success, failure, error

stats data

	Counter	Size	Description
	failure	8	Failure
	request	8	Request
	success	8	Success
	error	8	Error

2.1.41 aam authentication relay ws-federation

WS-Federation Authentication Relay

ws-federation Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*ws-federation-list*
Collection URI	/axapi/v3/aam/authentication/relay/ws-federation
Element Name	ws-federation
Element URI	/axapi/v3/aam/authentication/relay/ws-federation/{name}
Element Attributes	ws-federation_attributes
Statistics Data URI	/axapi/v3/aam/authentication/relay/ws-federation/{name}/stats
Schema	`ws-federation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/relay/ws-federation

ws-federation attributes

```
POST /axapi/v3/aam/authentication/relay/ws-federation/
Payload:
{
    "ws-federation": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/relay/ws-federation

ws-federation attributes

Get Object

GET

/axapi/v3/aam/authentication/relay/ws-federation/{name}

ws-federation attributes

```
GET /axapi/v3/aam/authentication/relay/ws-federation/a
Reponse:
{
    "ws-federation": {
        "name": "a",
        "uuid": "deec33c8-6007-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/authentication/relay/ws-federation/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/relay/ws-federation

ws-federation-list

Modify Object

POST

/axapi/v3/aam/authentication/relay/ws-federation/{name}

ws-federation attributes

Replace Object

PUT

/axapi/v3/aam/authentication/relay/ws-federation/{name}

ws-federation attributes

```
PUT /axapi/v3/aam/authentication/relay/ws-federation/a
Payload:
{
    "ws-federation": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/relay/ws-federation

ws-federation-list

Delete Object

DELETE

/axapi/v3/aam/authentication/relay/ws-federation/{name}

ws-federation attributes

```
DELETE /axapi/v3/aam/authentication/relay/ws-federation/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ws-federation-list

ws-federation-list is **JSON List** of *ws-federation attributes*

ws-federation-list : [

{ *ws-federation attributes* },

{ *ws-federation attributes* },

...

]

ws-federation attributes

application-server

Description 'sharepoint': Microsoft SharePoint; 'exchange-owa': Microsoft Exchange OWA;

Type: string

Supported Values: sharepoint, exchange-owa

authentication-uri

Description Specify WS-Federation relay URI, default is /_trust/

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description Specify WS-Federation authentication relay name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'success': Success; 'failure': Failure;

Type: string

Supported Values: all, request, success, failure

stats data

	Counter	Size	Description
	failure	8	Failure
	request	8	Request
	success	8	Success

2.1.42 aam authentication saml

AAM SAML related configuration

saml Specification

Type	*Intermediate Resource*
Element Name	saml
Element URI	/axapi/v3/aam/authentication/saml
Element Attributes	saml_attributes
Schema	`saml schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authentication/saml

saml_attributes

saml attributes

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/global*

identity-provider-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/saml/identity-provider/{name}*

metadata

Description: metadata is a **JSON Block**. Please see below for *metadata*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/metadata*

metadata-monitor

Description: metadata-monitor is a **JSON Block**. Please see below for *metadata-monitor*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/metadata-monitor*

service-provider-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/saml/service-provider/{name}*

session

Description: session is a **JSON Block**. Please see below for *session*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/saml/session*

service-provider-list

Specification	
Type	*list*
Block object keys	

SP-initiated-single-logout-service

Type: List

acs-uri-bypass

Description After user authenticated, bypass requests with assertion-consuming-service location URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adfs-ws-federation

Description: adfs-ws-federation is a **JSON Block**. Please see below for *service-provider-list_adfs-ws-federation*

Type: Object

artifact-resolution-service

Type: List

assertion-consuming-service

Type: List

bad-request-redirect-url

Description Specify URL to redirect

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

certificate

Description SAML service provider certificate file (PFX format is required.)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

entity-id

Description SAML service provider entity ID

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

metadata-export-service

Description: metadata-export-service is a **JSON Block**. Please see below for *service-provider-list_metadata-export-service*

Type: Object

name

Description Specify SAML authentication service provider name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl*

require-assertion-signed

Description: require-assertion-signed is a **JSON Block**. Please see below for *service-provider-list_require-assertion-signed*

Type: Object

saml-request-signed

Description: saml-request-signed is a **JSON Block**. Please see below for *service-provider-list_saml-request-signed*

Type: Object

sampling-enable

Type: List

service-url

Description SAML service provider service URL (ex. https://www.a10networks.com/saml.sso)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

signature-algorithm

Description 'SHA1': use SHA1 as signature algorithm (default); 'SHA256': use SHA256 as signature algorithm;

Type: string

Supported Values: SHA1, SHA256

Default: SHA1

single-logout-service

Type: List

soap-tls-certificate-validate

Description: soap-tls-certificate-validate is a **JSON Block**. Please see below for *service-provider-list_soap-tls-certificate-validate*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-provider-list_require-assertion-signed

Specification	
Type	*object*

require-assertion-signed-enable

Description Enable required signing of SAML assertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-provider-list_single-logout-service

Specification	
Type	*list*
Block object keys	

SLO-binding

Description 'post': POST binding of single logout service; 'redirect': Redirect binding of single logout service; 'soap': SOAP binding of single logout service;

Type: string

Supported Values: post, redirect, soap

SLO-location

Description The location of name-id management service. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-provider-list_assertion-consuming-service

Specification	
Type	*list*
Block object keys	

assertion-binding

Description 'artifact': Artifact binding of assertion consuming service; 'paos': PAOS binding of assertion consuming service; 'post': POST binding of assertion consuming service;

Type: string

Supported Values: artifact, paos, post

assertion-index

Description The index of assertion consuming service

Type: number

Range: 0-5

assertion-location

Description The location of assertion consuming service endpoint. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-provider-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sp-metadata-export-req': Metadata Export Request; 'sp-metadata-export-success': Metadata Export Success; 'login-auth-req': Login Authentication Request; 'login-auth-resp': Login Authentication Response; 'acs-req': SAML Single-Sign-On Request; 'acs-success': SAML Single-Sign-On Success; 'acs-authz-fail': SAML Single-Sign-On Authorization Fail; 'acs-error': SAML Single-Sign-On Error; 'slo-req': Single Logout Request; 'slo-success': Single Logout Success; 'slo-error': Single Logout Error; 'other-error': Other Error;

Type: string

Supported Values: all, sp-metadata-export-req, sp-metadata-export-success, login-auth-req, login-auth-resp, acs-req, acs-success, acs-authz-fail, acs-error, slo-req, slo-success, slo-error, sp-slo-req, glo-slo-success, loc-slo-success, par-slo-success, other-error

service-provider-list_saml-request-signed

Specification	
Type	*object*

saml-request-signed-disable

Description Disable signing signature for SAML (Authn/Artifact Resolve) requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-provider-list_SP-initiated-single-logout-service

Specification	
Type	*list*
Block object keys	

SP-SLO-location

Description The location of SP-initiated single logout service endpoint. (ex. /Logout)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

asynchronous

Description the IDP will not send a logout response to AX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-provider-list_adfs-ws-federation

Specification	
Type	*object*

ws-federation-enable

Description Enable ADFS WS-Federation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-provider-list_soap-tls-certificate-validate

Specification	
Type	*object*

soap-tls-certificate-validate-disable

Description Disable verification for server certificate in TLS session when resolving artificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-provider-list_artifact-resolution-service

Specification	
Type	*list*
Block object keys	

artifact-binding

Description 'soap': SOAP binding of artifact resolution service;

Type: string

Supported Values: soap

artifact-index

Description The index of artifact resolution service

Type: number

Range: 0-5

artifact-location

Description The location of artifact resolution service. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-provider-list_metadata-export-service

Specification	
Type	*object*

md-export-location

Description Specify the URI to export SP metadata (Export URI. Default is /A10SP_Metadata)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sign-xml

Description Sign exported SP metadata XML with SP's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

identity-provider-list

Specification	
Type	*list*
Block object keys	

metadata

Description URL of SAML identity provider's metadata file

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description SAML authentication identity provider name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

reload-interval

Description Specify URI metadata reload period (Specify URI metadata reload period in seconds, default is 28800)

Type: number

Range: 1-86400

Default: 28800

reload-metadata

Description Reload IdP's metadata immediately

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'requests-to-a10saml': Total Request to A10 SAML Service; 'responses-from-a10saml': Total Response from A10 SAML Service; 'sp-metadata-export-req': Total Metadata Export Request; 'sp-metadata-export-success': Toal Metadata Export Success; 'login-auth-req': Total Login Authentication Request; 'login-auth-resp': Total Login Authentication Response; 'acs-req': Total SAML Single-Sign-On Request; 'acs-success': Total SAML Single-Sign-On Success; 'acs-authz-fail': Total SAML Single-Sign-On Authorization Fail; 'acs-error': Total SAML Single-Sign-On Error; 'slo-req': Total Single Logout Request; 'slo-success': Total Single Logout Success; 'slo-error': Total Single Logout Error; 'other-error': Total Other Error;

Type: string

Supported Values: all, requests-to-a10saml, responses-from-a10saml, sp-metadata-export-req, sp-metadata-export-success, login-auth-req, login-auth-resp, acs-req, acs-success, acs-authz-fail, acs-error, slo-req, slo-success, slo-error, sp-slo-req, glo-slo-success, loc-slo-success, par-slo-success, relay-req, relay-success, relay-fail, relay-error, other-error

session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

metadata-monitor

Specification	
Type	*object*

acs-continuous-fail-threshold

Description Specify how many ACS continuous fails will trigger metadata reload (ACS continuous fail threshold (default: 10))

Type: number

Range: 2-254

acs-missing-period

Description Specify how long no acs request will trigger metadata reload (in seconds (default: 60))

Type: number

Range: 1-254

acs-missing-threshold

Description Specify how many ACS request missing in the period will trigger metadata reload (ACS request missing threshold (default: 100))

Type: number

Range: 10-254

status

Description 'enable': Enable SAML metadata out-of-sync detection; 'disable': Disable SAML metadata out-of-sync detection;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

metadata

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.43 aam authentication saml global

Global SAML statistics

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/aam/authentication/saml/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/aam/authentication/saml/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/saml/global

global attributes

```
POST /axapi/v3/aam/authentication/saml/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/saml/global

global attributes

```
GET /axapi/v3/aam/authentication/saml/global
Reponse:
{
    "global": {
        "uuid": "0447a43c-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/saml/global"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/saml/global

global attributes

Replace Object

PUT

/axapi/v3/aam/authentication/saml/global

global attributes

```
PUT /axapi/v3/aam/authentication/saml/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "requests-to-a10saml"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/saml/global

global attributes

```
DELETE /axapi/v3/aam/authentication/saml/global
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'requests-to-a10saml': Total Request to A10 SAML Service; 'responses-from-a10saml': Total Response from A10 SAML Service; 'sp-metadata-export-req': Total Metadata Export Request; 'sp-metadata-export-success': Toal Metadata Export Success; 'login-auth-req': Total Login Authentication Request; 'login-auth-resp': Total Login Authentication Response; 'acs-req': Total SAML Single-Sign-On Request; 'acs-success': Total SAML Single-Sign-On Success; 'acs-authz-fail': Total SAML Single-Sign-On Authorization Fail; 'acs-error': Total SAML Single-Sign-On Error; 'slo-req': Total Single Logout Request; 'slo-success': Total Single Logout Success; 'slo-error': Total Single Logout Error; 'other-error': Total Other Error;

Type: string

Supported Values: all, requests-to-a10saml, responses-from-a10saml, sp-metadata-export-req, sp-metadata-export-success, login-auth-req, login-auth-resp, acs-req, acs-success, acs-authz-fail, acs-error, slo-req, slo-success, slo-error, sp-slo-req, glo-slo-success, loc-slo-success, par-slo-success, relay-req, relay-success, relay-fail, relay-error, other-error

stats data

	Counter	Size	Description
	slo-error	8	Total Single Logout Error
	relay-req	8	relay-req
	sp-metadata-export-success	8	Toal Metadata Export Success
	par-slo-success	8	Total Partial Logout Success
	slo-success	8	Total Single Logout Success
	other-error	8	Total Other Error
	relay-fail	8	relay-fail
	glo-slo-success	8	Total Global Logout Success
	sp-slo-req	8	Total SP-initiated Single Logout Request
	responses-from-a10saml	8	Total Response from A10 SAML Service
	login-auth-req	8	Total Login Authentication Request
	relay-error	8	relay-error
	acs-authz-fail	8	Total SAML Single-Sign-On Authorization Fail
	login-auth-resp	8	Total Login Authentication Response
	acs-success	8	Total SAML Single-Sign-On Success
	acs-req	8	Total SAML Single-Sign-On Request
	sp-metadata-export-req	8	Total Metadata Export Request
	relay-success	8	relay-success
	slo-req	8	Total Single Logout Request
	loc-slo-success	8	Total Local Logout Success
	requests-to-a10saml	8	Total Request to A10 SAML Service
	acs-error	8	Total SAML Single-Sign-On Error

2.1.44 aam authentication saml identity-provider

Authentication identity provider

identity-provider Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*identity-provider-list*
Collection URI	/axapi/v3/aam/authentication/saml/identity-provider
Element Name	identity-provider
Element URI	/axapi/v3/aam/authentication/saml/identity-provider/{name}
Element Attributes	identity-provider_attributes
Statistics Data URI	/axapi/v3/aam/authentication/saml/identity-provider/{name}/stats
Operational Data URI	/axapi/v3/aam/authentication/saml/identity-provider/{name}/oper
Schema	`identity-provider schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/saml/identity-provider

identity-provider attributes

```
POST /axapi/v3/aam/authentication/saml/identity-provider/
Payload:
{
    "identity-provider": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/saml/identity-provider

identity-provider attributes

Get Object

GET

/axapi/v3/aam/authentication/saml/identity-provider/{name}

identity-provider attributes

```
GET /axapi/v3/aam/authentication/saml/identity-provider/a
Reponse:
{
    "identity-provider": {
        "name": "a",
        "reload-interval": 28800,
        "uuid": "14c62116-6008-11d9-9363-001fa00680a0",
        "user-tag": "a",
```

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```
        "a10-url": "/axapi/v3/aam/authentication/saml/identity-provider/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/saml/identity-provider

identity-provider-list

Modify Object

POST

/axapi/v3/aam/authentication/saml/identity-provider/{name}

identity-provider attributes

Replace Object

PUT

/axapi/v3/aam/authentication/saml/identity-provider/{name}

identity-provider attributes

```
PUT /axapi/v3/aam/authentication/saml/identity-provider/a
Payload:
{
    "identity-provider": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/saml/identity-provider

identity-provider-list

Delete Object

DELETE

/axapi/v3/aam/authentication/saml/identity-provider/{name}

identity-provider attributes

```
DELETE /axapi/v3/aam/authentication/saml/identity-provider/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

identity-provider-list

identity-provider-list is **JSON List** of *identity-provider attributes*

identity-provider-list : [

{ *identity-provider attributes* },

{ *identity-provider attributes* },

...

]

identity-provider attributes

metadata

Description URL of SAML identity provider's metadata file

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

name

Description SAML authentication identity provider name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

reload-interval

Description Specify URI metadata reload period (Specify URI metadata reload period in seconds, default is 28800)

Type: number

Range: 1-86400

Default: 28800

reload-metadata

Description Reload IdP's metadata immediately

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	valid-status	8	Valid IdP status or not
	md-state	8	Metadata State
	md-update	8	Metadata Update Success Count
	acs-fail	8	ACS Fail Count
	acs-pass	8	ACS Pass Count
	acs-state	8	ACS State
	md-fail	8	Metadata Update Fail Count
	acs-req	8	ACS Request Total Count

operational data

	Counter	Size	Description
	md	string	md
	sso-list		sso-list
	entity-id	string	entity-id
	slo-list		slo-list
	cert	string	cert
	ars-list		ars-list
	aqs-list		aqs-list

2.1.45 aam authentication saml metadata

metadata Specification

Type	*Configuration Resource*
Element Name	metadata
Element URI	/axapi/v3/aam/authentication/saml/metadata
Element Attributes	metadata_attributes
Operational Data URI	/axapi/v3/aam/authentication/saml/metadata/oper
Schema	`metadata schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/saml/metadata

metadata attributes

Get Object

GET

/axapi/v3/aam/authentication/saml/metadata

metadata attributes

Modify Object

POST

/axapi/v3/aam/authentication/saml/metadata

metadata attributes

Replace Object

PUT

/axapi/v3/aam/authentication/saml/metadata

metadata attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/saml/metadata

metadata attributes

metadata attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

2.1.46 aam authentication saml metadata-monitor

Configure SAML metadata out-of-sync detection and recovery options

metadata-monitor Specification

Type	*Configuration Resource*
Element Name	metadata-monitor
Element URI	/axapi/v3/aam/authentication/saml/metadata-monitor
Element Attributes	metadata-monitor_attributes
Schema	`metadata-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/saml/metadata-monitor

metadata-monitor attributes

Get Object

GET

/axapi/v3/aam/authentication/saml/metadata-monitor

metadata-monitor attributes

Modify Object

POST

/axapi/v3/aam/authentication/saml/metadata-monitor

metadata-monitor attributes

Replace Object

PUT

/axapi/v3/aam/authentication/saml/metadata-monitor

metadata-monitor attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/saml/metadata-monitor

metadata-monitor attributes

metadata-monitor attributes

acs-continuous-fail-threshold

Description Specify how many ACS continuous fails will trigger metadata reload (ACS continuous fail threshold (default: 10))

Type: number

Range: 2-254

acs-missing-period

Description Specify how long no acs request will trigger metadata reload (in seconds (default: 60))

Type: number

Range: 1-254

acs-missing-threshold

Description Specify how many ACS request missing in the period will trigger metadata reload (ACS request missing threshold (default: 100))

Type: number

Range: 10-254

status

Description 'enable': Enable SAML metadata out-of-sync detection; 'disable': Disable SAML metadata out-of-sync detection;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.47 aam authentication saml service-provider

Authentication service provider

service-provider Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*service-provider-list*
Collection URI	/axapi/v3/aam/authentication/saml/service-provider
Element Name	service-provider
Element URI	/axapi/v3/aam/authentication/saml/service-provider/{name}
Element Attributes	service-provider_attributes
Statistics Data URI	/axapi/v3/aam/authentication/saml/service-provider/{name}/stats
Schema	`service-provider schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/saml/service-provider

service-provider attributes

```
POST /axapi/v3/aam/authentication/saml/service-provider/
Payload:
{
    "service-provider": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/saml/service-provider

service-provider attributes

Get Object

GET

/axapi/v3/aam/authentication/saml/service-provider/{name}

service-provider attributes

```
GET /axapi/v3/aam/authentication/saml/service-provider/a
Reponse:
{
    "service-provider": {
        "name": "a",
        "adfs-ws-federation": {
            "ws-federation-enable": 0
        },
        "saml-request-signed": {
```

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```
            "saml-request-signed-disable": 0
        },
        "soap-tls-certificate-validate": {
            "soap-tls-certificate-validate-disable": 0
        },
        "signature-algorithm": "SHA1",
        "require-assertion-signed": {
            "require-assertion-signed-enable": 0
        },
        "acs-uri-bypass": 0,
        "uuid": "57880938-6008-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/authentication/saml/service-provider/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/saml/service-provider

service-provider-list

Modify Object

POST

/axapi/v3/aam/authentication/saml/service-provider/{name}

service-provider attributes

Replace Object

PUT

/axapi/v3/aam/authentication/saml/service-provider/{name}

service-provider attributes

```
PUT /axapi/v3/aam/authentication/saml/service-provider/a
Payload:
{
    "service-provider": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/saml/service-provider

service-provider-list

Delete Object

DELETE

/axapi/v3/aam/authentication/saml/service-provider/{name}

service-provider attributes

```
DELETE /axapi/v3/aam/authentication/saml/service-provider/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

service-provider-list

service-provider-list is **JSON List** of *service-provider attributes*

service-provider-list : [

{ *service-provider attributes* },

{ *service-provider attributes* },

...

]

service-provider attributes

SP-initiated-single-logout-service

Type: List

acs-uri-bypass

Description After user authenticated, bypass requests with assertion-consuming-service location URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adfs-ws-federation

Description: adfs-ws-federation is a **JSON Block**. Please see below for *adfs-ws-federation*

Type: Object

artifact-resolution-service

Type: List

assertion-consuming-service

Type: List

bad-request-redirect-url

Description Specify URL to redirect

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

certificate

Description SAML service provider certificate file (PFX format is required.)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

entity-id

Description SAML service provider entity ID

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

metadata-export-service

Description: metadata-export-service is a **JSON Block**. Please see below for *metadata-export-service*

Type: Object

name

Description Specify SAML authentication service provider name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl*

require-assertion-signed

Description: require-assertion-signed is a **JSON Block**. Please see below for *require-assertion-signed*

Type: Object

saml-request-signed

Description: saml-request-signed is a **JSON Block**. Please see below for *saml-request-signed*

Type: Object

sampling-enable

Type: List

service-url

Description SAML service provider service URL (ex. https://www.a10networks.com/saml.sso)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

signature-algorithm

Description 'SHA1': use SHA1 as signature algorithm (default); 'SHA256': use SHA256 as signature algorithm;

Type: string

Supported Values: SHA1, SHA256

Default: SHA1

single-logout-service

Type: List

soap-tls-certificate-validate

Description: soap-tls-certificate-validate is a **JSON Block**. Please see below for *soap-tls-certificate-validate*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

require-assertion-signed

Specification	
Type	*object*

require-assertion-signed-enable

Description Enable required signing of SAML assertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

single-logout-service

Specification	
Type	*list*
Block object keys	

SLO-binding

Description 'post': POST binding of single logout service; 'redirect': Redirect binding of single logout service; 'soap': SOAP binding of single logout service;

Type: string

Supported Values: post, redirect, soap

SLO-location

Description The location of name-id management service. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

assertion-consuming-service

Specification	
Type	*list*
Block object keys	

assertion-binding

Description 'artifact': Artifact binding of assertion consuming service; 'paos': PAOS binding of assertion consuming service; 'post': POST binding of assertion consuming service;

Type: string

Supported Values: artifact, paos, post

assertion-index

Description The index of assertion consuming service

Type: number

Range: 0-5

assertion-location

Description The location of assertion consuming service endpoint. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sp-metadata-export-req': Metadata Export Request; 'sp-metadata-export-success': Metadata Export Success; 'login-auth-req': Login Authentication Request; 'login-auth-resp': Login Authentication Response; 'acs-req': SAML Single-Sign-On Request; 'acs-success': SAML Single-Sign-On Success; 'acs-authz-fail': SAML Single-Sign-On Authorization Fail; 'acs-error': SAML Single-Sign-On Error; 'slo-req': Single Logout Request; 'slo-success': Single Logout Success; 'slo-error': Single Logout Error; 'other-error': Other Error;

Type: string

Supported Values: all, sp-metadata-export-req, sp-metadata-export-success, login-auth-req, login-auth-resp, acs-req, acs-success, acs-authz-fail, acs-error, slo-req, slo-success, slo-error, sp-slo-req, glo-slo-success, loc-slo-success, par-slo-success, other-error

saml-request-signed

Specification	
Type	*object*

saml-request-signed-disable

Description Disable signing signature for SAML (Authn/Artifact Resolve) requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

SP-initiated-single-logout-service

Specification	
Type	*list*
Block object keys	

SP-SLO-location

Description The location of SP-initiated single logout service endpoint. (ex. /Logout)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

asynchronous

Description the IDP will not send a logout response to AX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adfs-ws-federation

Specification	
Type	*object*

ws-federation-enable

Description Enable ADFS WS-Federation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

soap-tls-certificate-validate

Specification	
Type	*object*

soap-tls-certificate-validate-disable

Description Disable verification for server certificate in TLS session when resolving artificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

artifact-resolution-service

Specification	
Type	*list*
Block object keys	

artifact-binding

Description 'soap': SOAP binding of artifact resolution service;

Type: string

Supported Values: soap

artifact-index

Description The index of artifact resolution service

Type: number

Range: 0-5

artifact-location

Description The location of artifact resolution service. (ex. /SAML/POST)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

metadata-export-service

Specification	
Type	*object*

md-export-location

Description Specify the URI to export SP metadata (Export URI. Default is /A10SP_Metadata)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sign-xml

Description Sign exported SP metadata XML with SP's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats data

	Counter	Size	Description
	login-auth-req	8	Login Authentication Request
	slo-error	8	Single Logout Error
	sp-metadata-export-success	8	Metadata Export Success
	par-slo-success	8	Total Partial Logout Success
	acs-authz-fail	8	SAML Single-Sign-On Authorization Fail
	loc-slo-success	8	Total Local Logout Success
	slo-req	8	Single Logout Request
	login-auth-resp	8	Login Authentication Response
	slo-success	8	Single Logout Success
	acs-success	8	SAML Single-Sign-On Success
	acs-error	8	SAML Single-Sign-On Error
	other-error	8	Other Error
	glo-slo-success	8	Total Global Logout Success
	acs-req	8	SAML Single-Sign-On Request
	sp-metadata-export-req	8	Metadata Export Request
	sp-slo-req	8	SP-initiated Single Logout Request

2.1.48 aam authentication saml session

session Specification

Type	*Configuration Resource*
Element Name	session
Element URI	/axapi/v3/aam/authentication/saml/session
Element Attributes	session_attributes
Operational Data URI	/axapi/v3/aam/authentication/saml/session/oper
Schema	`session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/saml/session

session attributes

Get Object

GET

/axapi/v3/aam/authentication/saml/session

session attributes

Modify Object

POST

/axapi/v3/aam/authentication/saml/session

session attributes

Replace Object

PUT

/axapi/v3/aam/authentication/saml/session

session attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/saml/session

session attributes

session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	sp-list		sp-list
	name	string	name

2.1.49 aam authentication server

Authentication server configuration

server Specification

Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/aam/authentication/server
Element Attributes	server_attributes
Operational Data URI	/axapi/v3/aam/authentication/server/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server

server attributes

```
POST /axapi/v3/aam/authentication/server
Payload:
{
    "server": {
        "ldap": {
            "sampling-enable": [
                {
                    "counters1": "all"
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/server

server attributes

```
GET /axapi/v3/aam/authentication/server
Reponse:
{
    "server": {
        "uuid": "587e9116-3b55-11ea-834e-3399029c19ac",
        "ldap": {
            "uuid": "04479fd2-c86b-11e9-ba2d-9778838992f8",
            "sampling-enable": [
                {
                    "counters1": "all"
                }
            ],
            "a10-url": "/axapi/v3/aam/authentication/server/ldap"
        },
```

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```
        "ocsp": {
            "uuid": "0447a0ae-c86b-11e9-ba2d-9778838992f8",
            "a10-url": "/axapi/v3/aam/authentication/server/ocsp"
        },
        "radius": {
            "uuid": "0447a19e-c86b-11e9-ba2d-9778838992f8",
            "a10-url": "/axapi/v3/aam/authentication/server/radius"
        },
        "windows": {
            "uuid": "0447a27a-c86b-11e9-ba2d-9778838992f8",
            "a10-url": "/axapi/v3/aam/authentication/server/windows"
        },
        "a10-url": "/axapi/v3/aam/authentication/server"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/server

server attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server

server attributes

```
PUT /axapi/v3/aam/authentication/server
Payload:
{
    "server": {
        "ldap": {
            "instance-list": [
                {
                    "name": "a",
                    "host": {
                        "hostipv6": "2003::2"
                    }
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/server

server attributes

```
DELETE /axapi/v3/aam/authentication/server
```

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```
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

server attributes

ldap

Description: ldap is a **JSON Block**. Please see below for *ldap*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

ocsp

Description: ocsp is a **JSON Block**. Please see below for *ocsp*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

radius

Description: radius is a **JSON Block**. Please see below for *radius*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/radius*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

windows

Description: windows is a **JSON Block**. Please see below for *windows*

Type: Object

Refernce Object: */axapi/v3/aam/authentication/server/windows*

windows

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/windows/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

windows_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'kerberos-request-send': Total Kerberos Request; 'kerberos-response-get': Total Kerberos Response; 'kerberos-timeout-error': Total Kerberos Timeout; 'kerberos-other-error': Total Kerberos Other Error; 'ntlm-authentication-success': Total NTLM Authentication Success; 'ntlm-authentication-failure': Total NTLM Authentication Failure; 'ntlm-proto-negotiation-success': Total NTLM Protocol Negotiation Success; 'ntlm-proto-negotiation-failure': Total NTLM Protocol Negotiation Failure; 'ntlm-session-setup-success': Total NTLM Session Setup Success; 'ntlm-session-setup-failed': Total NTLM Session Setup Failure; 'kerberos-request-normal': Total Kerberos Normal Request; 'kerberos-request-dropped': Total Kerberos Dropped Request; 'kerberos-response-success': Total Kerberos Success Response; 'kerberos-response-failure': Total Kerberos Failure Response; 'kerberos-response-error': Total Kerberos Error Response; 'kerberos-response-timeout': Total Kerberos Timeout Response; 'kerberos-response-other': Total Kerberos Other Response; 'kerberos-job-start-error': Total Kerberos Job Start Error; 'kerberos-polling-control-error': Total Kerberos Polling Control Error; 'ntlm-prepare-req-success': Total NTLM Prepare Request Success; 'ntlm-prepare-req-failed': Total NTLM Prepare Request Failed; 'ntlm-timeout-error': Total NTLM Timeout; 'ntlm-other-error': Total NTLM Other Error; 'ntlm-request-normal': Total NTLM Normal Request; 'ntlm-request-dropped': Total NTLM Dropped Request; 'ntlm-response-success': Total NTLM Success Response; 'ntlm-response-failure': Total NTLM Failure Response; 'ntlm-response-error': Total NTLM Error Response; 'ntlm-response-timeout': Total NTLM Timeout Response; 'ntlm-response-other': Total NTLM Other Response; 'ntlm-job-start-error': Total NTLM Job Start Error; 'ntlm-polling-control-error': Total NTLM Polling Control Error;

Type: string

Supported Values: all, kerberos-request-send, kerberos-response-get, kerberos-timeout-error, kerberos-other-error, ntlm-authentication-success, ntlm-authentication-failure, ntlm-proto-negotiation-success, ntlm-proto-negotiation-failure, ntlm-session-setup-success, ntlm-session-setup-failed, kerberos-request-normal, kerberos-request-dropped, kerberos-response-success, kerberos-response-failure, kerberos-response-error, kerberos-response-timeout, kerberos-response-other, kerberos-job-start-error, kerberos-polling-control-error, ntlm-prepare-req-success, ntlm-prepare-req-failed, ntlm-timeout-error, ntlm-other-error, ntlm-request-normal, ntlm-request-dropped, ntlm-response-success, ntlm-response-failure, ntlm-response-error,

ntlm-response-timeout, ntlm-response-other, ntlm-job-start-error, ntlm-polling-control-error, kerberos-pw-expiry, kerberos-pw-change-success, kerberos-pw-change-failure

windows_instance-list

Specification	
Type	*list*
Block object keys	

auth-protocol

Description: auth-protocol is a **JSON Block**. Please see below for *windows_instance-list_auth-protocol*

Type: Object

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *windows_instance-list_host*

Type: Object

name

Description Specify Windows authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl*

realm

Description Specify realm of Windows server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-apacheds-kdc

Description Enable weak cipher (DES CRC/MD5/MD4) and merge AS-REQ in single packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify connection timeout to server, default is 10 seconds

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

windows_instance-list_host

Specification	
Type	*object*

hostip

Description Specify the Windows server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Specify the Windows server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

windows_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'krb_send_req_success': Kerberos Request; 'krb_get_resp_success': Kerberos Response; 'krb_timeout_error': Kerberos Timeout; 'krb_other_error': Kerberos Other Error; 'ntlm_proto_nego_success': NTLM Protocol Negotiation Success; 'ntlm_proto_nego_failure': NTLM Protocol Negotiation Failure; 'ntlm_session_setup_success': NTLM Session Setup Success; 'ntlm_session_setup_failure': NTLM Session Setup Failure; 'ntlm_prepare_req_success': NTLM Prepare Request Success; 'ntlm_prepare_req_error': NTLM Prepare Request Error; 'ntlm_auth_success': NTLM Authentication Success; 'ntlm_auth_failure': NTLM Authentication Failure; 'ntlm_timeout_error': NTLM Timeout; 'ntlm_other_error': NTLM Other Error;

Type: string

Supported Values: all, krb_send_req_success, krb_get_resp_success, krb_timeout_error, krb_other_error, krb_pw_expiry, krb_pw_change_success, krb_pw_change_failure, ntlm_proto_nego_success, ntlm_proto_nego_failure, ntlm_session_setup_success, ntlm_session_setup_failure, ntlm_prepare_req_success, ntlm_prepare_req_error, ntlm_auth_success, ntlm_auth_failure, ntlm_timeout_error, ntlm_other_error

windows_instance-list_auth-protocol

Specification	
Type	*object*

kerberos-disable

Description Disable Kerberos authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-password-change-port

Description Specify the Kerbros password change port, default is 464

Type: number

Range: 1-65534

Default: 464

kerberos-port

Description Specify the Kerbros port, default is 88

Type: number

Range: 1-65534

Default: 88

kport-hm

Description Check Kerberos port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kport-hm and kport-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

kport-hm-disable

Description Disable configured Kerberos port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kport-hm-disable and kport-hm are mutually exclusive

ntlm-disable

Description Disable NTLM authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-health-check

Description Check NTLM port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ntlm-health-check and ntlm-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

ntlm-health-check-disable

Description Disable configured NTLM port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ntlm-health-check-disable and ntlm-health-check are mutually exclusive

ntlm-version

Description Specify NTLM version, default is 2

Type: number

Range: 1-2

Default: 2

ocsp

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ocsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stapling-certificate-good': Total OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': Total OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': Total OCSP Stapling Unknown Certificate Response; 'stapling-request-normal': Total OSCP Stapling Normal Request; 'stapling-request-dropped': Total OCSP Stapling Dropped Request; 'stapling-response-success': Total OCSP Stapling Success Response; 'stapling-response-failure': Total OCSP Stapling Failure Response; 'stapling-response-error': Total OCSP Stapling Error Response; 'stapling-response-timeout': Total OCSP Stapling Timeout Response; 'stapling-response-other': Total OCSP Stapling Other Response; 'request-normal': Total OSCP Normal Request; 'request-dropped': Total OCSP Dropped Request; 'response-success': Total OCSP Success Response; 'response-failure': Total OCSP Failure Response; 'response-error': Total OCSP Error Response; 'response-timeout': Total OCSP Timeout Response; 'response-other': Total OCSP Other Response; 'job-start-error': Total OCSP Job Start Error; 'polling-control-error': Total OCSP Polling Control Error;

Type: string

Supported Values: all, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-request-normal, stapling-request-dropped, stapling-response-success, stapling-response-failure, stapling-response-error, stapling-response-timeout, stapling-response-other, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error

ocsp_instance-list

Specification	
Type	*list*
Block object keys	

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

http-version

Description Set HTTP version (default 1.0)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify OCSP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl*

port-health-check

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-health-check and port-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-health-check-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-health-check-disable and port-health-check are mutually exclusive

responder-ca

Description Specify the trusted OCSP responder's CA cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

responder-cert

Description Specify the trusted OCSP responder's cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

sampling-enable

Type: List

url

Description Specify the OCSP server's address (Format: http://host{[}:port{]}/) (The OCSP server's address(Format: http://host{[}:port{]}/))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-type

Description '1.1': HTTP version 1.1;

Type: string

Supported Values: 1.1

ocsp_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'certificate-good': Good Certificate Response; 'certificate-revoked': Revoked Certificate Response; 'certificate-unknown': Unknown Certificate Response; 'timeout': Timeout; 'fail': Handle OCSP response failed; 'stapling-request': OCSP Stapling Request Send; 'stapling-certificate-good': OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': OCSP Stapling Unknown Certificate Response; 'stapling-timeout': OCSP Stapling Timeout; 'stapling-fail': Handle OCSP response failed;

Type: string

Supported Values: all, request, certificate-good, certificate-revoked, certificate-unknown, timeout, fail, stapling-request, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-timeout, stapling-fail

radius

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

radius_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Total Authentication Success; 'authen_failure': Total Authentication Failure; 'authorize_success': Total Authorization Success; 'authorize_failure': Total Authorization Failure; 'access_challenge': Total Access-Challenge Message Receive; 'timeout_error': Total Timeout; 'other_error': Total Other Error; 'request': Total Request; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error, accounting-request-sent, accounting-success, accounting-failure

radius_instance-list

Specification	
Type	*list*
Block object keys	

accounting-port

Description Specify the RADIUS server's accounting port, default is 1813

Type: number

Range: 1-65534

Default: 1813

acct-port-hm

Description Specify accounting port health check method

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acct-port-hm and acct-port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

acct-port-hm-disable

Description Disable configured accounting port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: acct-port-hm-disable and acct-port-hm are mutually exclusive

auth-type

Description 'pap': PAP authentication. Default; 'mschapv2': MS-CHAPv2 authentication; 'mschapv2-pap': Use MS-CHAPv2 first. If server doesn't support it, try PAP;

Type: string

Supported Values: pap, mschapv2, mschapv2-pap

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *radius_instance-list_host*

Type: Object

interval

Description Specify the interval time for resend the request (second), default is 3 seconds (The interval time(second), default is 3 seconds)

Type: number

Range: 1-1024

Default: 3

name

Description Specify RADIUS authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl*

port

Description Specify the RADIUS server's authentication port, default is 1812

Type: number

Range: 1-65534

Default: 1812

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

retry

Description Specify the retry number for resend the request, default is 5 (The retry number, default is 5)

Type: number

Range: 1-32

Default: 5

sampling-enable

Type: List

secret

Description Specify the RADIUS server's secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

radius_instance-list_host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

radius_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Authentication Success; 'authen_failure': Authentication Failure; 'authorize_success': Authorization Success; 'authorize_failure': Authorization Failure; 'access_challenge': Access-Challenge Message Receive; 'timeout_error': Timeout; 'other_error': Other Error; 'request': Request; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, accounting-request-sent, accounting-success, accounting-failure

ldap

Specification	
Type	*object*

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ldap_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Total Admin Bind Success; 'admin-bind-failure': Total Admin Bind Failure; 'bind-success': Total User Bind Success; 'bind-failure': Total User Bind Failure; 'search-success': Total Search Success; 'search-failure': Total Search Failure; 'authorize-success': Total Authorization Success; 'authorize-failure': Total Authorization Failure; 'timeout-error': Total Timeout; 'other-error': Total Other Error; 'request': Total Request; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error, other-error, request, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error, ssl-session-created, ssl-session-failure, ldaps-idle-conn-num, ldaps-inuse-conn-num, pw-expiry, pw-change-success, pw-change-failure

ldap_instance-list

Specification	
Type	*list*
Block object keys	

admin-dn

Description The LDAP server's admin DN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

admin-secret

Description Specify the LDAP server's admin secret password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-type

Description 'ad': Active Directory. Default; 'open-ldap': OpenLDAP;

Type: string

Supported Values: ad, open-ldap

base

Description Specify the LDAP server's search base

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

bind-with-dn

Description Enforce using DN for LDAP binding(All user input name will be used to create DN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ca-cert

Description Specify the LDAPS CA cert filename (Trusted LDAPS CA cert filename)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

default-domain

Description Specify default domain for LDAP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

derive-bind-dn

Description: derive-bind-dn is a **JSON Block**. Please see below for *ldap_instance-list_derive-bind-dn*

Type: Object

dn-attribute

Description Specify Distinguished Name attribute, default is CN

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: cn

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *ldap_instance-list_host*

Type: Object

ldaps-conn-reuse-idle-timeout

Description Specify LDAPS connection reuse idle timeout value (in seconds) (Specify idle timeout value (in seconds), default is 0 (not reuse LDAPS connection))

Type: number

Range: 0-86400

Default: 0

name

Description Specify LDAP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl*

port

Description Specify the LDAP server's authentication port, default is 389

Type: number

Range: 1-65534

Default: 389

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

prompt-pw-change-before-exp

Description Prompt user to change password before expiration in N days. This option only takes effect when server type is AD (Prompt user to change password before expiration in N days, default is not to prompt the user)

Type: number

Range: 1-999

protocol

Description 'ldap': Use LDAP (default); 'ldaps': Use LDAP over SSL; 'starttls': Use LDAP StartTLS;

Type: string

Supported Values: ldap, ldaps, starttls

Default: ldap

pwdmaxage

Description Specify the LDAP server's default password expiration time (in seconds) (The LDAP server's default password expiration time (in seconds), default is 0 (no expiration))

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description Specify timout for LDAP, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ldap_instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Admin Bind Success; 'admin-bind-failure': Admin Bind Failure; 'bind-success': User Bind Success; 'bind-failure': User Bind Failure; 'search-success': Search Success; 'search-failure': Search Failure; 'authorize-success': Authorization Success; 'authorize-failure': Authorization Failure; 'timeout-error': Timeout; 'other-error': Other Error; 'request': Request;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error,

other-error, request, ssl-session-created, ssl-session-failure, pw_expiry, pw_change_success, pw_change_failure

ldap_instance-list_derive-bind-dn

Specification	
Type	*object*

username-attr

Description Specify attribute name of username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap_instance-list_host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

operational data

	Counter	Size	Description
	rserver-count	number	rserver-count
	name	string	name
	get-count	string	get-count
	part-id	number	part-id
	rport-count	number	rport-count
	rserver-list		rserver-list

2.1.50 aam authentication server ldap

LDAP Authentication Server

ldap Specification

Type	*Configuration Resource*
Element Name	ldap
Element URI	/axapi/v3/aam/authentication/server/ldap
Element Attributes	ldap_attributes
Statistics Data URI	/axapi/v3/aam/authentication/server/ldap/stats
Operational Data URI	/axapi/v3/aam/authentication/server/ldap/oper
Schema	`ldap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server/ldap

ldap attributes

```
POST /axapi/v3/aam/authentication/server/ldap
Payload:
{
    "ldap": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/server/ldap

ldap attributes

```
GET /axapi/v3/aam/authentication/server/ldap
Reponse:
{
    "ldap": {
        "uuid": "04479fd2-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/server/ldap"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/server/ldap

ldap attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server/ldap

ldap attributes

```
PUT /axapi/v3/aam/authentication/server/ldap
Payload:
{
    "ldap": {
        "sampling-enable": [
            {
                "counters1": "admin-bind-success"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/server/ldap

ldap attributes

```
DELETE /axapi/v3/aam/authentication/server/ldap
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ldap attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Total Admin Bind Success; 'admin-bind-failure': Total Admin Bind Failure; 'bind-success': Total User Bind Success; 'bind-failure': Total User Bind Failure; 'search-success': Total Search Success; 'search-failure': Total Search Failure; 'authorize-success': Total Authorization Success; 'authorize-failure': Total Authorization Failure; 'timeout-error': Total Timeout; 'other-error': Total Other Error; 'request': Total Request; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error, other-error, request, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error, ssl-session-created, ssl-session-failure, ldaps-idle-conn-num, ldaps-inuse-conn-num, pw-expiry, pw-change-success, pw-change-failure

instance-list

Specification	
Type	*list*
Block object keys	

admin-dn

Description The LDAP server's admin DN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

admin-secret

Description Specify the LDAP server's admin secret password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-type

Description 'ad': Active Directory. Default; 'open-ldap': OpenLDAP;

Type: string

Supported Values: ad, open-ldap

base

Description Specify the LDAP server's search base

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

bind-with-dn

Description Enforce using DN for LDAP binding(All user input name will be used to create DN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ca-cert

Description Specify the LDAPS CA cert filename (Trusted LDAPS CA cert filename)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

default-domain

Description Specify default domain for LDAP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

derive-bind-dn

Description: derive-bind-dn is a **JSON Block**. Please see below for *instance-list_derive-bind-dn*

Type: Object

dn-attribute

Description Specify Distinguished Name attribute, default is CN

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: cn

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *instance-list_host*

Type: Object

ldaps-conn-reuse-idle-timeout

Description Specify LDAPS connection reuse idle timeout value (in seconds) (Specify idle timeout value (in seconds), default is 0 (not reuse LDAPS connection))

Type: number

Range: 0-86400

Default: 0

name

Description Specify LDAP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl*

port

Description Specify the LDAP server's authentication port, default is 389

Type: number

Range: 1-65534

Default: 389

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

prompt-pw-change-before-exp

Description Prompt user to change password before expiration in N days. This option only takes effect when server type is AD (Prompt user to change password before expiration in N days, default is not to prompt the user)

Type: number

Range: 1-999

protocol

Description 'ldap': Use LDAP (default); 'ldaps': Use LDAP over SSL; 'starttls': Use LDAP StartTLS;

Type: string

Supported Values: ldap, ldaps, starttls

Default: ldap

pwdmaxage

Description Specify the LDAP server's default password expiration time (in seconds) (The LDAP server's default password expiration time (in seconds), default is 0 (no expiration))

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description Specify timout for LDAP, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Admin Bind Success; 'admin-bind-failure': Admin Bind Failure; 'bind-success': User Bind Success; 'bind-failure': User Bind Failure; 'search-success': Search Success; 'search-failure': Search Failure; 'authorize-success': Authorization Success; 'authorize-failure': Authorization Failure; 'timeout-error': Timeout; 'other-error': Other Error; 'request': Request;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error, other-error, request, ssl-session-created, ssl-session-failure, pw_expiry, pw_change_success, pw_change_failure

instance-list_derive-bind-dn

Specification	
Type	*object*

username-attr

Description Specify attribute name of username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

instance-list_host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

stats data

	Counter	Size	Description
	pw-change-success	8	Total password change success
	admin-bind-success	8	Total Admin Bind Success
	response-failure	8	Total Failure Response
	request-dropped	8	Total Dropped Request
	other-error	8	Total Other Error
	ssl-session-failure	8	TLS/SSL Session Failure
	job-start-error	8	Total Job Start Error
	search-failure	8	Total Search Failure
	bind-failure	8	Total User Bind Failure
	request-normal	8	Total Normal Request
	response-other	8	Total Other Response
	pw-change-failure	8	Total password change failure
	ldaps-inuse-conn-num	8	LDAPS In-use Connection Number
	response-timeout	8	Total Timeout Response
	authorize-failure	8	Total Authorization Failure
	timeout-error	8	Total Timeout
	ldaps-idle-conn-num	8	LDAPS Idle Connection Number
	search-success	8	Total Search Success
	ssl-session-created	8	TLS/SSL Session Created
	bind-success	8	Total User Bind Success
	admin-bind-failure	8	Total Admin Bind Failure
	authorize-success	8	Total Authorization Success
	request	8	Total Request
	polling-control-error	8	Total Polling Control Error
	pw-expiry	8	Total Password expiry
	response-success	8	Total Success Response
	response-error	8	Total Error Response

operational data

	Counter	Size	Description
	ldaps-server-list		ldaps-server-list

2.1.51 aam authentication server ldap instance

LDAP Authentication Server

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/server/ldap/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/server/ldap/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/server/ldap/instance/{name}/stats
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server/ldap/instance

instance attributes

```
POST /axapi/v3/aam/authentication/server/ldap/instance/
Payload:
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "a"
        }
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/server/ldap/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/server/ldap/instance/{name}

instance attributes

```
GET /axapi/v3/aam/authentication/server/ldap/instance/a
Reponse:
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "a"
        },
        "port": 389,
        "port-hm-disable": 0,
        "pwdmaxage": 0,
        "admin-secret": 0,
        "timeout": 10,
        "dn-attribute": "cn",
        "bind-with-dn": 0,
        "health-check": 0,
        "protocol": "ldap",
        "uuid": "d0dcba18-6008-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/server/ldap/instance/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/server/ldap/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/server/ldap/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server/ldap/instance/{name}

instance attributes

```
PUT /axapi/v3/aam/authentication/server/ldap/instance/a
Payload:
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "abcd"
        }
```

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```
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/server/ldap/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/server/ldap/instance/{name}

instance attributes

```
DELETE /axapi/v3/aam/authentication/server/ldap/instance/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

admin-dn

Description The LDAP server's admin DN

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

admin-secret

Description Specify the LDAP server's admin secret password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-type

Description 'ad': Active Directory. Default; 'open-ldap': OpenLDAP;

Type: string

Supported Values: ad, open-ldap

base

Description Specify the LDAP server's search base

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

bind-with-dn

Description Enforce using DN for LDAP binding(All user input name will be used to create DN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ca-cert

Description Specify the LDAPS CA cert filename (Trusted LDAPS CA cert filename)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

default-domain

Description Specify default domain for LDAP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

derive-bind-dn

Description: derive-bind-dn is a **JSON Block**. Please see below for *derive-bind-dn*

Type: Object

dn-attribute

Description Specify Distinguished Name attribute, default is CN

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: cn

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

ldaps-conn-reuse-idle-timeout

Description Specify LDAPS connection reuse idle timeout value (in seconds) (Specify idle timeout value (in seconds), default is 0 (not reuse LDAPS connection))

Type: number

Range: 0-86400

Default: 0

name

Description Specify LDAP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl*

port

Description Specify the LDAP server's authentication port, default is 389

Type: number

Range: 1-65534

Default: 389

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

prompt-pw-change-before-exp

Description Prompt user to change password before expiration in N days. This option only takes effect when server type is AD (Prompt user to change password before expiration in N days, default is not to prompt the user)

Type: number

Range: 1-999

protocol

Description 'ldap': Use LDAP (default); 'ldaps': Use LDAP over SSL; 'starttls': Use LDAP StartTLS;

Type: string

Supported Values: ldap, ldaps, starttls

Default: ldap

pwdmaxage

Description Specify the LDAP server's default password expiration time (in seconds) (The LDAP server's default password expiration time (in seconds), default is 0 (no expiration))

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description Specify timout for LDAP, default is 10 seconds (The timeout, default is 10 seconds)

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'admin-bind-success': Admin Bind Success; 'admin-bind-failure': Admin Bind Failure; 'bind-success': User Bind Success; 'bind-failure': User Bind Failure; 'search-success': Search Success; 'search-failure': Search Failure; 'authorize-success': Authorization Success; 'authorize-failure': Authorization Failure; 'timeout-error': Timeout; 'other-error': Other Error; 'request': Request;

Type: string

Supported Values: all, admin-bind-success, admin-bind-failure, bind-success, bind-failure, search-success, search-failure, authorize-success, authorize-failure, timeout-error, other-error, request, ssl-session-created, ssl-session-failure, pw_expiry, pw_change_success, pw_change_failure

derive-bind-dn

Specification	
Type	*object*

username-attr

Description Specify attribute name of username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

stats data

	Counter	Size	Description
	bind-failure	8	User Bind Failure
	authorize-failure	8	Authorization Failure
	ssl-session-failure	8	TLS/SSL Session Failure
	admin-bind-failure	8	Admin Bind Failure
	authorize-success	8	Authorization Success
	pw_change_success	8	Password change success
	timeout-error	8	Timeout
	request	8	Request
	pw_expiry	8	Password expiry
	admin-bind-success	8	Admin Bind Success
	search-success	8	Search Success
	other-error	8	Other Error
	ssl-session-created	8	TLS/SSL Session Created
	pw_change_failure	8	Password change failure
	bind-success	8	User Bind Success
	search-failure	8	Search Failure

2.1.52 aam authentication server ocsp

OCSP Authentication Server

ocsp Specification

Type	*Configuration Resource*
Element Name	ocsp
Element URI	/axapi/v3/aam/authentication/server/ocsp
Element Attributes	ocsp_attributes
Statistics Data URI	/axapi/v3/aam/authentication/server/ocsp/stats
Schema	`ocsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server/ocsp

ocsp attributes

```
POST /axapi/v3/aam/authentication/server/ocsp
Payload:
{
    "ocsp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/server/ocsp

ocsp attributes

```
GET /axapi/v3/aam/authentication/server/ocsp
Reponse:
{
    "ocsp": {
        "uuid": "0447a0ae-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/server/ocsp"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/server/ocsp

ocsp attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server/ocsp

ocsp attributes

```
PUT /axapi/v3/aam/authentication/server/ocsp
Payload:
{
    "ocsp": {
        "sampling-enable": [
            {
                "counters1": "stapling-certificate-good"
            }
```

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```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/server/ocsp

ocsp attributes

```
DELETE /axapi/v3/aam/authentication/server/ocsp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ocsp attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stapling-certificate-good': Total OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': Total OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': Total OCSP Stapling Unknown Certificate Response; 'stapling-request-normal': Total OSCP Stapling Normal Request; 'stapling-request-dropped': Total OCSP Stapling Dropped Request; 'stapling-response-success': Total OCSP

Stapling Success Response; 'stapling-response-failure': Total OCSP Stapling Failure Response; 'stapling-response-error': Total OCSP Stapling Error Response; 'stapling-response-timeout': Total OCSP Stapling Timeout Response; 'stapling-response-other': Total OCSP Stapling Other Response; 'request-normal': Total OSCP Normal Request; 'request-dropped': Total OCSP Dropped Request; 'response-success': Total OCSP Success Response; 'response-failure': Total OCSP Failure Response; 'response-error': Total OCSP Error Response; 'response-timeout': Total OCSP Timeout Response; 'response-other': Total OCSP Other Response; 'job-start-error': Total OCSP Job Start Error; 'polling-control-error': Total OCSP Polling Control Error;

Type: string

Supported Values: all, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-request-normal, stapling-request-dropped, stapling-response-success, stapling-response-failure, stapling-response-error, stapling-response-timeout, stapling-response-other, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error

instance-list

Specification	
Type	*list*
Block object keys	

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

http-version

Description Set HTTP version (default 1.0)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify OCSP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl*

port-health-check

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-health-check and port-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-health-check-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-health-check-disable and port-health-check are mutually exclusive

responder-ca

Description Specify the trusted OCSP responder's CA cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

responder-cert

Description Specify the trusted OCSP responder's cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

sampling-enable

Type: List

url

Description Specify the OCSP server's address (Format: http://host{[}:port{]}/) (The OCSP server's address(Format: http://host{[}:port{]}/))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-type

Description '1.1': HTTP version 1.1;

Type: string

Supported Values: 1.1

instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'certificate-good': Good Certificate Response; 'certificate-revoked': Revoked Certificate Response; 'certificate-unknown': Unknown Certificate Response; 'timeout': Timeout; 'fail': Handle OCSP response failed; 'stapling-request': OCSP Stapling Request Send; 'stapling-certificate-good': OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': OCSP Stapling Unknown Certificate Response; 'stapling-timeout': OCSP Stapling Timeout; 'stapling-fail': Handle OCSP response failed;

Type: string

Supported Values: all, request, certificate-good, certificate-revoked, certificate-unknown, timeout, fail, stapling-request, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-timeout, stapling-fail

stats data

	Counter	Size	Description
	stapling-request-normal	8	Total OSCP Stapling Normal Request
	request-normal	8	Total OSCP Normal Request
	polling-control-error	8	Total OCSP Polling Control Error
	stapling-response-other	8	Total OCSP Stapling Other Response
	stapling-certificate-revoked	8	Total OCSP Stapling Revoked Certificate Response
	stapling-response-failure	8	Total OCSP Stapling Failure Response
	stapling-response-timeout	8	Total OCSP Stapling Timeout Response
	stapling-response-error	8	Total OCSP Stapling Error Response
	stapling-certificate-unknown	8	Total OCSP Stapling Unknown Certificate Response
	response-other	8	Total OCSP Other Response
	stapling-certificate-good	8	Total OCSP Stapling Good Certificate Response
	response-failure	8	Total OCSP Failure Response
	stapling-response-success	8	Total OCSP Stapling Success Response
	response-timeout	8	Total OCSP Timeout Response
	request-dropped	8	Total OCSP Dropped Request
	response-success	8	Total OCSP Success Response
	job-start-error	8	Total OCSP Job Start Error
	response-error	8	Total OCSP Error Response
	stapling-request-dropped	8	Total OCSP Stapling Dropped Request

2.1.53 aam authentication server ocsp instance

Specify OCSP authentication server name

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/server/ocsp/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/server/ocsp/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/server/ocsp/instance/{name}/stats
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server/ocsp/instance

instance attributes

```
POST /axapi/v3/aam/authentication/server/ocsp/instance/
Payload:
{
    "instance": {
        "name": "a",
        "url": "http://a/"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/server/ocsp/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/server/ocsp/instance/{name}

instance attributes

```
GET /axapi/v3/aam/authentication/server/ocsp/instance/a
Reponse:
{
    "instance": {
```

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```
        "name": "a",
        "url": "http://a/",
        "health-check": 0,
        "port-health-check-disable": 0,
        "http-version": 0,
        "uuid": "2f578960-6009-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/server/ocsp/instance/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/server/ocsp/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/server/ocsp/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server/ocsp/instance/{name}

instance attributes

```
PUT /axapi/v3/aam/authentication/server/ocsp/instance/a
Payload:
{
    "instance": {
        "name": "a",
        "url": "http://ab/"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/server/ocsp/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/server/ocsp/instance/{name}

instance attributes

```
DELETE /axapi/v3/aam/authentication/server/ocsp/instance/a
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

http-version

Description Set HTTP version (default 1.0)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify OCSP authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl*

port-health-check

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-health-check and port-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-health-check-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-health-check-disable and port-health-check are mutually exclusive

responder-ca

Description Specify the trusted OCSP responder's CA cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

responder-cert

Description Specify the trusted OCSP responder's cert filename

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

sampling-enable

Type: List

url

Description Specify the OCSP server's address (Format: http://host{[}:port{]}/) (The OCSP server's address(Format: http://host{[}:port{]}/))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-type

Description '1.1': HTTP version 1.1;

Type: string

Supported Values: 1.1

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request': Request; 'certificate-good': Good Certificate Response; 'certificate-revoked': Revoked Certificate Response; 'certificate-unknown': Unknown Certificate Response; 'timeout': Timeout; 'fail': Handle OCSP response failed; 'stapling-request': OCSP Stapling Request Send; 'stapling-certificate-good': OCSP Stapling Good Certificate Response; 'stapling-certificate-revoked': OCSP Stapling Revoked Certificate Response; 'stapling-certificate-unknown': OCSP Stapling Unknown Certificate Response; 'stapling-timeout': OCSP Stapling Timeout; 'stapling-fail': Handle OCSP response failed;

Type: string

Supported Values: all, request, certificate-good, certificate-revoked, certificate-unknown, timeout, fail, stapling-request, stapling-certificate-good, stapling-certificate-revoked, stapling-certificate-unknown, stapling-timeout, stapling-fail

stats data

	Counter	Size	Description
	stapling-timeout	8	OCSP Stapling Timeout
	stapling-fail	8	Handle OCSP response failed
	certificate-revoked	8	Revoked Certificate Response
	request	8	Request
	stapling-certificate-revoked	8	OCSP Stapling Revoked Certificate Response
	certificate-unknown	8	Unknown Certificate Response
	stapling-certificate-unknown	8	OCSP Stapling Unknown Certificate Response
	stapling-certificate-good	8	OCSP Stapling Good Certificate Response
	timeout	8	Timeout
	fail	8	Handle OCSP response failed
	certificate-good	8	Good Certificate Response
	stapling-request	8	OCSP Stapling Request Send

2.1.54 aam authentication server radius

RADIUS Authentication Server

radius Specification

Type	*Configuration Resource*
Element Name	radius
Element URI	/axapi/v3/aam/authentication/server/radius
Element Attributes	radius_attributes
Statistics Data URI	/axapi/v3/aam/authentication/server/radius/stats
Schema	`radius schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server/radius

radius attributes

```
POST /axapi/v3/aam/authentication/server/radius
Payload:
{
    "radius": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/server/radius

radius attributes

```
GET /axapi/v3/aam/authentication/server/radius
Reponse:
{
    "radius": {
        "uuid": "0447a19e-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/server/radius"
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/server/radius

radius attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server/radius

radius attributes

```
PUT /axapi/v3/aam/authentication/server/radius
Payload:
{
```

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```
    "radius": {
        "sampling-enable": [
            {
                "counters1": "authen_success"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/server/radius

radius attributes

```
DELETE /axapi/v3/aam/authentication/server/radius
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

radius attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Total Authentication Success; 'authen_failure': Total Authentication Failure; 'authorize_success': Total Authorization Success; 'authorize_failure': Total Authorization Failure; 'access_challenge': Total Access-Challenge Message Receive; 'timeout_error': Total Timeout; 'other_error': Total Other Error; 'request': Total Request; 'request-normal': Total Normal Request; 'request-dropped': Total Dropped Request; 'response-success': Total Success Response; 'response-failure': Total Failure Response; 'response-error': Total Error Response; 'response-timeout': Total Timeout Response; 'response-other': Total Other Response; 'job-start-error': Total Job Start Error; 'polling-control-error': Total Polling Control Error; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, request-normal, request-dropped, response-success, response-failure, response-error, response-timeout, response-other, job-start-error, polling-control-error, accounting-request-sent, accounting-success, accounting-failure

instance-list

Specification	
Type	*list*
Block object keys	

accounting-port

Description Specify the RADIUS server's accounting port, default is 1813

Type: number

Range: 1-65534

Default: 1813

acct-port-hm

Description Specify accounting port health check method

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acct-port-hm and acct-port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

acct-port-hm-disable

Description Disable configured accounting port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: acct-port-hm-disable and acct-port-hm are mutually exclusive

auth-type

Description 'pap': PAP authentication. Default; 'mschapv2': MS-CHAPv2 authentication; 'mschapv2-pap': Use MS-CHAPv2 first. If server doesn't support it, try PAP;

Type: string

Supported Values: pap, mschapv2, mschapv2-pap

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *instance-list_host*

Type: Object

interval

Description Specify the interval time for resend the request (second), default is 3 seconds (The interval time(second), default is 3 seconds)

Type: number

Range: 1-1024

Default: 3

name

Description Specify RADIUS authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl*

port

Description Specify the RADIUS server's authentication port, default is 1812

Type: number

Range: 1-65534

Default: 1812

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

retry

Description Specify the retry number for resend the request, default is 5 (The retry number, default is 5)

Type: number

Range: 1-32

Default: 5

sampling-enable

Type: List

secret

Description Specify the RADIUS server's secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list_host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Authentication Success; 'authen_failure': Authentication Failure; 'authorize_success': Authorization Success; 'authorize_failure': Authorization Failure; 'access_challenge': Access-Challenge Message Receive; 'timeout_error': Timeout; 'other_error': Other Error; 'request': Request; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, accounting-request-sent, accounting-success, accounting-failure

stats data

	Counter	Size	Description
	autho-rize_failure	8	Total Authorization Failure
	accounting-request-sent	8	Accounting-Request Sent
	other_error	8	Total Other Error
	response-success	8	Total Success Response
	job-start-error	8	Total Job Start Error
	request	8	Total Request
	response-timeout	8	Total Timeout Response
	accounting-success	8	Accounting Success
	accounting-failure	8	Accounting Failure
	response-other	8	Total Other Response
	request-normal	8	Total Normal Request
	response-failure	8	Total Failure Response
	au-then_success	8	Total Authentication Success
	ac-cess_challenge	8	Total Access-Challenge Message Receive
	request-dropped	8	Total Dropped Request
	au-then_failure	8	Total Authentication Failure
	time-out_error	8	Total Timeout
	autho-rize_success	8	Total Authorization Success
	response-error	8	Total Error Response
	polling-control-error	8	Total Polling Control Error

2.1.55 aam authentication server radius instance

RADIUS Authentication Server instance

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/server/radius/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/server/radius/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/server/radius/instance/{name}/stats
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server/radius/instance

instance attributes

```
POST /axapi/v3/aam/authentication/server/radius/instance/
Payload:
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "a"
        }
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/server/radius/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/server/radius/instance/{name}

instance attributes

```
GET /axapi/v3/aam/authentication/server/radius/instance/a
Reponse:
```

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```
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "a"
        },
        "secret": 0,
        "port": 1812,
        "port-hm-disable": 0,
        "interval": 3,
        "retry": 5,
        "health-check": 0,
        "accounting-port": 1813,
        "acct-port-hm-disable": 0,
        "uuid": "729fc160-6009-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/server/radius/instance/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/server/radius/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/server/radius/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server/radius/instance/{name}

instance attributes

```
PUT /axapi/v3/aam/authentication/server/radius/instance/a
Payload:
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "abcd"
        }
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/server/radius/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/server/radius/instance/{name}

instance attributes

```
DELETE /axapi/v3/aam/authentication/server/radius/instance/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

accounting-port

Description Specify the RADIUS server's accounting port, default is 1813

Type: number

Range: 1-65534

Default: 1813

acct-port-hm

Description Specify accounting port health check method

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acct-port-hm and acct-port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

acct-port-hm-disable

Description Disable configured accounting port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: acct-port-hm-disable and acct-port-hm are mutually exclusive

auth-type

Description 'pap': PAP authentication. Default; 'mschapv2': MS-CHAPv2 authentication; 'mschapv2-pap': Use MS-CHAPv2 first. If server doesn't support it, try PAP;

Type: string

Supported Values: pap, mschapv2, mschapv2-pap

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

interval

Description Specify the interval time for resend the request (second), default is 3 seconds (The interval time(second), default is 3 seconds)

Type: number

Range: 1-1024

Default: 3

name

Description Specify RADIUS authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl*

port

Description Specify the RADIUS server's authentication port, default is 1812

Type: number

Range: 1-65534

Default: 1812

port-hm

Description Check port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: port-hm and port-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

port-hm-disable

Description Disable configured port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-hm-disable and port-hm are mutually exclusive

retry

Description Specify the retry number for resend the request, default is 5 (The retry number, default is 5)

Type: number

Range: 1-32

Default: 5

sampling-enable

Type: List

secret

Description Specify the RADIUS server's secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	
Type	*object*

hostip

Description Server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'authen_success': Authentication Success; 'authen_failure': Authentication Failure; 'authorize_success': Authorization Success; 'authorize_failure': Authorization Failure; 'access_challenge': Access-Challenge Message Receive; 'timeout_error': Timeout; 'other_error': Other Error; 'request': Request; 'accounting-request-sent': Accounting-Request Sent; 'accounting-success': Accounting Success; 'accounting-failure': Accounting Failure;

Type: string

Supported Values: all, authen_success, authen_failure, authorize_success, authorize_failure, access_challenge, timeout_error, other_error, request, accounting-request-sent, accounting-success, accounting-failure

stats data

	Counter	Size	Description
	autho-rize_failure	8	Authorization Failure
	accounting-request-sent	8	Accounting-Request Sent
	other_error	8	Other Error
	request	8	Request
	accounting-success	8	Accounting Success
	accounting-failure	8	Accounting Failure
	au-then_success	8	Authentication Success
	ac-cess_challenge	8	Access-Challenge Message Receive
	au-then_failure	8	Authentication Failure
	time-out_error	8	Timeout
	autho-rize_success	8	Authorization Success

2.1.56 aam authentication server windows

"Windows Server, using Kerberos or NTLM for authentication"

windows Specification

Type	*Configuration Resource*
Element Name	windows
Element URI	/axapi/v3/aam/authentication/server/windows
Element Attributes	windows_attributes
Statistics Data URI	/axapi/v3/aam/authentication/server/windows/stats
Schema	`windows schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server/windows

windows attributes

```
POST /axapi/v3/aam/authentication/server/windows
Payload:
{
    "windows": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/aam/authentication/server/windows

windows attributes

```
GET /axapi/v3/aam/authentication/server/windows
Reponse:
{
    "windows": {
        "uuid": "0447a27a-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/aam/authentication/server/windows"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/aam/authentication/server/windows

windows attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server/windows

windows attributes

```
PUT /axapi/v3/aam/authentication/server/windows
Payload:
{
    "windows": {
        "sampling-enable": [
            {
                "counters1": "kerberos-request-send"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/aam/authentication/server/windows

windows attributes

```
DELETE /axapi/v3/aam/authentication/server/windows
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

windows attributes

instance-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/server/windows/instance/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'kerberos-request-send': Total Kerberos Request; 'kerberos-response-get': Total Kerberos Response; 'kerberos-timeout-error': Total Kerberos Timeout; 'kerberos-other-error': Total Kerberos Other Error; 'ntlm-authentication-success': Total NTLM Authentication Success; 'ntlm-authentication-failure': Total NTLM Authentication Failure; 'ntlm-proto-negotiation-success': Total NTLM Protocol Negotiation Success; 'ntlm-proto-negotiation-failure': Total NTLM Protocol Negotiation Failure; 'ntlm-session-setup-success': Total NTLM Session Setup Success; 'ntlm-session-setup-failed': Total NTLM Session Setup Failure; 'kerberos-request-normal': Total Kerberos Normal Request; 'kerberos-request-dropped': Total Kerberos Dropped Request; 'kerberos-response-success': Total Kerberos Success Response; 'kerberos-response-failure': Total Kerberos Failure Response; 'kerberos-response-error': Total Kerberos Error Response; 'kerberos-response-timeout': Total Kerberos Timeout Response; 'kerberos-response-other': Total Kerberos Other Response; 'kerberos-job-start-error': Total Kerberos Job Start Error; 'kerberos-polling-control-error': Total Kerberos Polling Control Error; 'ntlm-prepare-req-success': Total NTLM Prepare Request Success; 'ntlm-prepare-req-failed': Total NTLM Prepare Request Failed; 'ntlm-timeout-error': Total NTLM Timeout; 'ntlm-other-error': Total NTLM Other Error; 'ntlm-request-normal': Total NTLM Normal Request; 'ntlm-request-dropped': Total NTLM Dropped Request; 'ntlm-response-success': Total NTLM Success Response; 'ntlm-response-failure': Total NTLM Failure Response; 'ntlm-response-error': Total NTLM Error Response; 'ntlm-response-timeout': Total NTLM Timeout Response; 'ntlm-response-other': Total NTLM Other Response; 'ntlm-job-start-error': Total NTLM Job Start Error; 'ntlm-polling-control-error': Total NTLM Polling Control Error;

Type: string

Supported Values: all, kerberos-request-send, kerberos-response-get, kerberos-timeout-error, kerberos-other-error, ntlm-authentication-success, ntlm-authentication-failure, ntlm-proto-negotiation-success, ntlm-proto-negotiation-failure, ntlm-session-setup-success, ntlm-session-setup-failed, kerberos-request-normal, kerberos-request-dropped, kerberos-response-success, kerberos-response-failure, kerberos-response-error, kerberos-response-timeout, kerberos-response-other, kerberos-job-start-error, kerberos-polling-control-error, ntlm-prepare-req-success, ntlm-prepare-req-failed, ntlm-timeout-error, ntlm-other-error, ntlm-request-normal, ntlm-request-dropped, ntlm-response-success, ntlm-response-failure, ntlm-response-error, ntlm-response-timeout, ntlm-response-other, ntlm-job-start-error, ntlm-polling-control-error, kerberos-pw-expiry, kerberos-pw-change-success, kerberos-pw-change-failure

instance-list

Specification	
Type	*list*
Block object keys	

auth-protocol

Description: auth-protocol is a **JSON Block**. Please see below for *instance-list_auth-protocol*

Type: Object

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *instance-list_host*

Type: Object

name

Description Specify Windows authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl*

realm

Description Specify realm of Windows server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-apacheds-kdc

Description Enable weak cipher (DES CRC/MD5/MD4) and merge AS-REQ in single packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify connection timeout to server, default is 10 seconds

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list_host

Specification	
Type	*object*

hostip

Description Specify the Windows server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Specify the Windows server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

instance-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'krb_send_req_success': Kerberos Request; 'krb_get_resp_success': Kerberos Response; 'krb_timeout_error': Kerberos Timeout; 'krb_other_error': Kerberos Other Error; 'ntlm_proto_nego_success': NTLM Protocol Negotiation Success; 'ntlm_proto_nego_failure': NTLM Protocol Negotiation Failure; 'ntlm_session_setup_success': NTLM Session Setup Success; 'ntlm_session_setup_failure': NTLM Session Setup Failure; 'ntlm_prepare_req_success': NTLM Prepare Request Success; 'ntlm_prepare_req_error': NTLM Prepare Request Error; 'ntlm_auth_success': NTLM Authentication Success; 'ntlm_auth_failure': NTLM Authentication Failure; 'ntlm_timeout_error': NTLM Timeout; 'ntlm_other_error': NTLM Other Error;

Type: string

Supported Values: all, krb_send_req_success, krb_get_resp_success, krb_timeout_error, krb_other_error, krb_pw_expiry, krb_pw_change_success, krb_pw_change_failure, ntlm_proto_nego_success, ntlm_proto_nego_failure, ntlm_session_setup_success, ntlm_session_setup_failure, ntlm_prepare_req_success, ntlm_prepare_req_error, ntlm_auth_success, ntlm_auth_failure, ntlm_timeout_error, ntlm_other_error

instance-list_auth-protocol

Specification	
Type	*object*

kerberos-disable

Description Disable Kerberos authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-password-change-port

Description Specify the Kerbros password change port, default is 464

Type: number

Range: 1-65534

Default: 464

kerberos-port

Description Specify the Kerbros port, default is 88

Type: number

Range: 1-65534

Default: 88

kport-hm

Description Check Kerberos port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kport-hm and kport-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

kport-hm-disable

Description Disable configured Kerberos port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kport-hm-disable and kport-hm are mutually exclusive

ntlm-disable

Description Disable NTLM authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-health-check

Description Check NTLM port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ntlm-health-check and ntlm-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

ntlm-health-check-disable

Description Disable configured NTLM port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ntlm-health-check-disable and ntlm-health-check are mutually exclusive

ntlm-version

Description Specify NTLM version, default is 2

Type: number

Range: 1-2

Default: 2

stats data

	Counter	Size	Description
	kerberos-pw-change-success	8	Total Kerberos password change success
	ntlm-response-error	8	Total NTLM Error Response
	ntlm-proto-negotiation-failure	8	Total NTLM Protocol Negotiation Failure
	ntlm-session-setup-failed	8	Total NTLM Session Setup Failure
	ntlm-polling-control-error	8	Total NTLM Polling Control Error
	kerberos-other-error	8	Total Kerberos Other Error
	kerberos-timeout-error	8	Total Kerberos Timeout

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Table 2.1 – continued from previous page

	Counter	Size	Description
	kerberos-job-start-error	8	Total Kerberos Job Start Error
	ntlm-proto-negotiation-success	8	Total NTLM Protocol Negotiation Success
	ntlm-other-error	8	Total NTLM Other Error
	ntlm-job-start-error	8	Total NTLM Job Start Error
	ntlm-prepare-req-success	8	Total NTLM Prepare Request Success
	ntlm-response-failure	8	Total NTLM Failure Response
	kerberos-polling-control-error	8	Total Kerberos Polling Control Error
	ntlm-prepare-req-failed	8	Total NTLM Prepare Request Failed
	ntlm-request-normal	8	Total NTLM Normal Request
	kerberos-pw-expiry	8	Total Kerberos password expiry
	ntlm-authentication-success	8	Total NTLM Authentication Success
	ntlm-response-timeout	8	Total NTLM Timeout Response
	ntlm-authentication-failure	8	Total NTLM Authentication Failure
	kerberos-request-send	8	Total Kerberos Request
	kerberos-pw-change-failure	8	Total Kerberos password change failure
	kerberos-request-normal	8	Total Kerberos Normal Request
	ntlm-response-other	8	Total NTLM Other Response
	kerberos-request-dropped	8	Total Kerberos Dropped Request

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Table 2.1 – continued from previous page

	Counter	Size	Description
	kerberos-response-other	8	Total Kerberos Other Response
	ntlm-session-setup-success	8	Total NTLM Session Setup Success
	kerberos-response-error	8	Total Kerberos Error Response
	kerberos-response-success	8	Total Kerberos Success Response
	ntlm-request-dropped	8	Total NTLM Dropped Request
	kerberos-response-timeout	8	Total Kerberos Timeout Response
	kerberos-response-get	8	Total Kerberos Response
	ntlm-timeout-error	8	Total NTLM Timeout
	kerberos-response-failure	8	Total Kerberos Failure Response
	ntlm-response-success	8	Total NTLM Success Response

2.1.57 aam authentication server windows instance

"Windows Server, using Kerberos or NTLM for authentication"

instance Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*instance-list*
Collection URI	/axapi/v3/aam/authentication/server/windows/instance
Element Name	instance
Element URI	/axapi/v3/aam/authentication/server/windows/instance/{name}
Element Attributes	instance_attributes
Statistics Data URI	/axapi/v3/aam/authentication/server/windows/instance/{name}/stats
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/server/windows/instance

instance attributes

```
POST /axapi/v3/aam/authentication/server/windows/instance/
Payload:
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "a"
        }
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/server/windows/instance

instance attributes

Get Object

GET

/axapi/v3/aam/authentication/server/windows/instance/{name}

instance attributes

```
GET /axapi/v3/aam/authentication/server/windows/instance/a
Reponse:
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "a"
        },
        "timeout": 10,
        "auth-protocol": {
            "ntlm-disable": 0,
            "ntlm-version": 2,
            "ntlm-health-check-disable": 0,
            "kerberos-disable": 0,
            "kerberos-port": 88,
            "kport-hm-disable": 0,
            "kerberos-password-change-port": 464
        },
        "support-apacheds-kdc": 0,
        "health-check": 0,
        "uuid": "c22d5864-6009-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authentication/server/windows/instance/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/server/windows/instance

instance-list

Modify Object

POST

/axapi/v3/aam/authentication/server/windows/instance/{name}

instance attributes

Replace Object

PUT

/axapi/v3/aam/authentication/server/windows/instance/{name}

instance attributes

```
PUT /axapi/v3/aam/authentication/server/windows/instance/a
Payload:
{
    "instance": {
        "name": "a",
        "host": {
            "hostip": "abcd"
        }
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/server/windows/instance

instance-list

Delete Object

DELETE

/axapi/v3/aam/authentication/server/windows/instance/{name}

instance attributes

```
DELETE /axapi/v3/aam/authentication/server/windows/instance/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

auth-protocol

Description: auth-protocol is a **JSON Block**. Please see below for *auth-protocol*

Type: Object

health-check

Description Check server's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-string

Description Health monitor name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

name

Description Specify Windows authentication server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl*

realm

Description Specify realm of Windows server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-apacheds-kdc

Description Enable weak cipher (DES CRC/MD5/MD4) and merge AS-REQ in single packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify connection timeout to server, default is 10 seconds

Type: number

Range: 1-255

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	
Type	*object*

hostip

Description Specify the Windows server's hostname(Length 1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: hostip and hostipv6 are mutually exclusive

hostipv6

Description Specify the Windows server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: hostipv6 and hostip are mutually exclusive

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'krb_send_req_success': Kerberos Request; 'krb_get_resp_success': Kerberos Response; 'krb_timeout_error': Kerberos Timeout; 'krb_other_error': Kerberos Other Error; 'ntlm_proto_nego_success': NTLM Protocol Negotiation Success; 'ntlm_proto_nego_failure': NTLM Protocol Negotiation Failure; 'ntlm_session_setup_success': NTLM Session Setup Success; 'ntlm_session_setup_failure': NTLM Session Setup Failure; 'ntlm_prepare_req_success': NTLM Prepare Request Success; 'ntlm_prepare_req_error': NTLM Prepare Request Error; 'ntlm_auth_success': NTLM Authentication Success; 'ntlm_auth_failure': NTLM Authentication Failure; 'ntlm_timeout_error': NTLM Timeout; 'ntlm_other_error': NTLM Other Error;

Type: string

Supported Values: all, krb_send_req_success, krb_get_resp_success, krb_timeout_error, krb_other_error, krb_pw_expiry, krb_pw_change_success, krb_pw_change_failure, ntlm_proto_nego_success, ntlm_proto_nego_failure, ntlm_session_setup_success, ntlm_session_setup_failure, ntlm_prepare_req_success, ntlm_prepare_req_error, ntlm_auth_success, ntlm_auth_failure, ntlm_timeout_error, ntlm_other_error

auth-protocol

Specification	
Type	*object*

kerberos-disable

Description Disable Kerberos authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-password-change-port

Description Specify the Kerbros password change port, default is 464

Type: number

Range: 1-65534

Default: 464

kerberos-port

Description Specify the Kerbros port, default is 88

Type: number

Range: 1-65534

Default: 88

kport-hm

Description Check Kerberos port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: kport-hm and kport-hm-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

kport-hm-disable

Description Disable configured Kerberos port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kport-hm-disable and kport-hm are mutually exclusive

ntlm-disable

Description Disable NTLM authentication protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-health-check

Description Check NTLM port's health status

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ntlm-health-check and ntlm-health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

ntlm-health-check-disable

Description Disable configured NTLM port health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ntlm-health-check-disable and ntlm-health-check are mutually exclusive

ntlm-version

Description Specify NTLM version, default is 2

Type: number

Range: 1-2

Default: 2

stats data

	Counter	Size	Description
	krb_send_req_success	8	Kerberos Request
	ntlm_other_error	8	NTLM Other Error
	ntlm_auth_success	8	NTLM Authentication Success
	krb_timeout_error	8	Kerberos Timeout
	ntlm_prepare_req_error	8	NTLM Prepare Request Error
	ntlm_auth_failure	8	NTLM Authentication Failure
	krb_pw_change_success	8	Kerberos password change success
	ntlm_session_setup_success	8	NTLM Session Setup Success
	ntlm_timeout_error	8	NTLM Timeout
	krb_other_error	8	Kerberos Other Error
	ntlm_proto_nego_failure	8	NTLM Protocol Negotiation Failure
	krb_pw_expiry	8	Kerberos password expiry
	ntlm_session_setup_failure	8	NTLM Session Setup Failure
	krb_pw_change_failure	8	Kerberos password change failure
	krb_get_resp_success	8	Kerberos Response
	ntlm_proto_nego_success	8	NTLM Protocol Negotiation Success
	ntlm_prepare_req_success	8	NTLM Prepare Request Success

2.1.58 aam authentication service-group

Authentication service group

service-group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/aam/authentication/service-group
Element Name	service-group
Element URI	/axapi/v3/aam/authentication/service-group/{name}
Element Attributes	service-group_attributes
Statistics Data URI	/axapi/v3/aam/authentication/service-group/{name}/stats
Operational Data URI	/axapi/v3/aam/authentication/service-group/{name}/oper
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/service-group

service-group attributes

```
POST /axapi/v3/aam/authentication/service-group/
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/service-group

service-group attributes

Get Object

GET

/axapi/v3/aam/authentication/service-group/{name}

service-group attributes

```
GET /axapi/v3/aam/authentication/service-group/a
Reponse:
```

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```
{
    "service-group": {
        "name": "a",
        "protocol": "tcp",
        "health-check-disable": 0,
        "uuid": "00a51e60-600a-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/authentication/service-group/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/service-group

service-group-list

Modify Object

POST

/axapi/v3/aam/authentication/service-group/{name}

service-group attributes

Replace Object

PUT

/axapi/v3/aam/authentication/service-group/{name}

service-group attributes

```
PUT /axapi/v3/aam/authentication/service-group/a
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/service-group

service-group-list

Delete Object

DELETE

/axapi/v3/aam/authentication/service-group/{name}

service-group attributes

```
DELETE /axapi/v3/aam/authentication/service-group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

lb-method

Description 'round-robin': Round robin on server level;

Type: string

Supported Values: round-robin

member-list

Type: List

Refernce Object: */axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}*

name

Description Specify AAM service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl*

protocol

Description 'tcp': TCP AAM service; 'udp': UDP AAM service;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Drops due to Service selection failure; 'server_selection_fail_reset': Resets sent out for Service selection failure; 'service_peak_conn': Peak connection count for the Service Group; 'service_healthy_host': Service Group healthy host count; 'service_unhealthy_host': Service Group unhealthy host count; 'service_req_count': Service Group request count; 'service_resp_count': Service Group response count; 'service_resp_2xx': Service Group response 2xx count; 'service_resp_3xx': Service Group response 3xx count; 'service_resp_4xx': Service Group response 4xx count; 'service_resp_5xx': Service Group response 5xx count; 'service_curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn, service_healthy_host, service_unhealthy_host, service_req_count, service_resp_count, service_resp_2xx, service_resp_3xx, service_resp_4xx, service_resp_5xx, service_curr_conn_overflow

member-list

Specification	
Type	*list*
Block object keys	

member-priority

Description Priority of Port in the Group

Type: number

Range: 1-16

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port;

Type: string

Supported Values: enable, disable

Default: enable

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Default: 65534

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total established connections; 'total_rev_pkts_inspected': Total reverse packets

inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': peak_conn; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow

stats data

	Counter	Size	Description
	service_resp_2xx	8	Service Group response 2xx count
	service_unhealthy_host	8	Service Group unhealthy host count
	service_curr_conn_overflow	8	Current connection counter overflow count
	service_req_count	8	Service Group request count
	service_healthy_host	8	Service Group healthy host count
	service_resp_count	8	Service Group response count
	service_resp_3xx	8	Service Group response 3xx count
	server_selection_fail_drop	8	Drops due to Service selection failure
	service_resp_4xx	8	Service Group response 4xx count
	server_selection_fail_reset	8	Resets sent out for Service selection failure
	service_peak_conn	8	Peak connection count for the Service Group
	service_resp_5xx	8	Service Group response 5xx count

operational data

	Counter	Size	Description
	pri_affinity_priority	number	pri_affinity_priority
	state-less_type	number	stateless_type
	servers_down	number	servers_down
	servers_total	number	servers_total
	servers_disable	number	servers_disable
	state-less_state	number	stateless_state
	filter	enum	Output contains one of the following values: - sgm-sort-config
	state-less_current_rate	number	stateless_current_rate
	state	enum	Output contains one of the following values: - All Up, Functional Up, Down, Disb, Unkn
	sgm-list		sgm-list
	servers_up	number	servers_up
	state-less_current_usage	number	stateless_current_usage
	hm_dsr_enable_all_vip	number	hm_dsr_enable_all_vip

2.1.59 aam authentication service-group member

Authentication service group member

member Specification

Type	*Collection*
Object Key(s)	*name, port*
Collection Name	*member-list*
Collection URI	/axapi/v3/aam/authentication/service-group/{name}/member
Element Name	member
Element URI	/axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}
Element Attributes	member_attributes
Statistics Data URI	/axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}/stats
Operational Data URI	/axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}/oper
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/service-group/{name}/member

member attributes

Create List

POST

/axapi/v3/aam/authentication/service-group/{name}/member

member attributes

Get Object

GET

/axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}

member attributes

Get List

GET

/axapi/v3/aam/authentication/service-group/{name}/member

member-list

Modify Object

POST

/axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}

member attributes

Replace Object

PUT

/axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}

member attributes

Replace List

PUT

/axapi/v3/aam/authentication/service-group/{name}/member

member-list

Delete Object

DELETE

/axapi/v3/aam/authentication/service-group/{name}/member/{name}+{port}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

member-priority

Description Priority of Port in the Group

Type: number

Range: 1-16

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port;

Type: string

Supported Values: enable, disable

Default: enable

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Default: 65534

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total established connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': peak_conn; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow

stats data

	Counter	Size	Description
	curr_req	8	Current requests
	total_fwd_bytes	8	Bytes processed in forward direction
	curr_ssl_conn	8	Current SSL connections
	peak_conn	8	peak_conn
	total_req	8	Total requests
	total_conn	8	Total established connections
	total_ssl_conn	8	Total SSL connections
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Packets processed in forward direction
	total_rev_pkts_inspected_status_code_non_5xx	8	Total reverse packets inspected status code non 5xx
	total_rev_pkts	8	Packets processed in reverse direction
	total_rev_pkts_inspected_status_code_2xx	8	Total reverse packets inspected status code 2xx
	total_req_succ	8	Total requests successful
	curr_conn	8	Current established connections
	total_rev_pkts_inspected	8	Total reverse packets inspected
	curr_conn_overflow	8	Current connection counter overflow count
	total_rev_bytes	8	Bytes processed in reverse direction
	slowest_rsp_time	8	Slowest response time
	response_time	8	Response time

operational data

	Counter	Size	Description
	alt-list		alt-list
	hm-key	number	hm-key
	state	enum	Output contains one of the following values: - UP, DOWN, MAINTENANCE, DIS-UP, DIS-DOWN, DIS-MAINTENANCE
	drs-list		drs-list
	hm-index	number	hm-index

2.1.60 aam authentication session

session Specification

Type	*Configuration Resource*
Element Name	session
Element URI	/axapi/v3/aam/authentication/session
Element Attributes	session_attributes
Operational Data URI	/axapi/v3/aam/authentication/session/oper
Schema	`session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/session

session attributes

Get Object

GET

/axapi/v3/aam/authentication/session

session attributes

Modify Object

POST

/axapi/v3/aam/authentication/session

session attributes

Replace Object

PUT

/axapi/v3/aam/authentication/session

session attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/session

session attributes

session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	username	string	username
	cmd-type	enum	Output contains one of the following values: - sess-only, attr-only, sess-attr
	partition	string	partition
	vserver	string	vserver
	ipv4	string	ipv4
	ipv6	string	ipv6
	session-list		session-list

2.1.61 aam authentication session-attr

session-attr Specification

Type	*Configuration Resource*
Element Name	session-attr
Element URI	/axapi/v3/aam/authentication/session-attr
Element Attributes	session-attr_attributes
Operational Data URI	/axapi/v3/aam/authentication/session-attr/oper
Schema	`session-attr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/session-attr

session-attr attributes

Get Object

GET

/axapi/v3/aam/authentication/session-attr

session-attr attributes

Modify Object

POST

/axapi/v3/aam/authentication/session-attr

session-attr attributes

Replace Object

PUT

/axapi/v3/aam/authentication/session-attr

session-attr attributes

Delete Object

DELETE

/axapi/v3/aam/authentication/session-attr

session-attr attributes

session-attr attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	attr-list		attr-list
	partition	string	partition
	sid	number	sid

2.1.62 aam authentication template

Authentication template

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/aam/authentication/template
Element Name	template
Element URI	/axapi/v3/aam/authentication/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authentication/template

template attributes

```
POST /axapi/v3/aam/authentication/template/
Payload:
{
    "template": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/aam/authentication/template

template attributes

Get Object

GET

/axapi/v3/aam/authentication/template/{name}

template attributes

```
GET /axapi/v3/aam/authentication/template/a
Reponse:
{
    "template": {
        "name": "a",
        "cookie-max-age": 604800,
        "cookie-secure-enable": 0,
        "cookie-httponly-enable": 0,
        "local-logging": 0,
        "logout-idle-timeout": 300,
```

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```
        "forward-logout-disable": 0,
        "modify-content-security-policy": 0,
        "log": "use-partition-level-config",
        "uuid": "72d00b6c-600a-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/aam/authentication/template/a"
    }
}
```

Get List

GET

/axapi/v3/aam/authentication/template

template-list

Modify Object

POST

/axapi/v3/aam/authentication/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/aam/authentication/template/{name}

template attributes

```
PUT /axapi/v3/aam/authentication/template/a
Payload:
{
    "template": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/aam/authentication/template

template-list

Delete Object

DELETE

/axapi/v3/aam/authentication/template/{name}

template attributes

```
DELETE /axapi/v3/aam/authentication/template/a
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

account

Description Specify AD domain account

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/account/kerberos-spn*

accounting-server

Description Specify a RADIUS accounting server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: accounting-server and accounting-service-group are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance*

accounting-service-group

Description Specify an authentication service group for RADIUS accounting

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: accounting-service-group and accounting-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

auth-sess-mode

Description 'cookie-based': Track auth-session by cookie (default); 'ip-based': Track auth-session by client IP;

Type: string

Supported Values: cookie-based, ip-based

captcha

Description Specify captcha profile (Specify captcha proflie name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/captcha/instance*

chain

Type: List

cookie-domain

Type: List

cookie-domain-group

Type: List

cookie-httponly-enable

Description Enable httponly attribute for AAM cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-max-age

Description Configure Max-Age for authentication session cookie (Configure Max-Age in seconds. Default is 604800 (1 week).)

Type: number

Range: 0-2592000

Default: 604800

cookie-samesite

Description 'strict': Specify SameSite attribute as Strict for AAM cookie; 'lax': Specify SameSite attribute as Lax for AAM cookie; 'none': Specify SameSite attribute as None for AAM cookie;

Type: string

Supported Values: strict, lax, none

cookie-secure-enable

Description Enable secure attribute for AAM cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-logout-disable

Description Disable forward logout request to backend application server. The config-field logut-url must be configured first

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt

Description Specify authentication jwt template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/jwt*

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description 'use-partition-level-config': Use configuration of authentication-log enable command; 'enable': Enable authentication logs for this template; 'disable': Disable authentication logs for this template;

Type: string

Supported Values: use-partition-level-config, enable, disable

Default: use-partition-level-config

logon

Description Specify authentication logon (Specify authentication logon template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/logon/form-based*

logout-idle-timeout

Description Specify idle logout time (Specify idle timeout in seconds, default is 300)

Type: number

Range: 1-86400

Default: 300

logout-url

Description Specify logout url (Specify logout url string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

max-session-time

Description Specify default SAML token lifetime (Specify lifetime (in seconds) of SAML token when it not provided by token attributes, default is 28800. (0 for indefinite))

Type: number

Range: 0-86400

modify-content-security-policy

Description Put redirect-uri or service-principal-name into CSP header to avoid CPS break authentication process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Authentication template name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oauth-authorization-server

Description Specify SAML service provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oauth-client

Description Specify SAML identity provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

redirect-hostname

Description Hostname(Length 1-31) for transparent-proxy authentication

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

relay

Description Specify authentication relay (Specify authentication relay template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/relay/http-basic/instance*

saml-idp

Description Specify SAML identity provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

saml-sp

Description Specify SAML service provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server

Description Specify authentication server (Specify authentication server template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: server and service-group are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance*

service-group

Description Bind an authentication service group to this template (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group server and chain-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

type

Description 'saml': SAML authentication template; 'standard': Standard authentication template;

Type: string

Supported Values: saml, standard, oauth

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

chain

Specification	
Type	*list*
Block object keys	

chain-server

Description Specify authentication server (Specify authentication server template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-server service-group and chain-sg are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance*

chain-server-priority

Description Set server priority, higher the number higher the priority. Default is 3. (Chain server priority, higher the number higher the priority. Default is 3.)

Type: number

Range: 1-5

Default: 3

chain-sg

Description Bind an authentication service group to this template (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-sg and chain-server are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

chain-sg-priority

Description Set service-group priority, higher the number higher the priority. Default is 3. (Chain service-group priority, higher the number higher the priority. Default is 3.)

Type: number

Range: 1-5

Default: 3

cookie-domain-group

Specification	
Type	*list*
Block object keys	

cookie-dmngrp

Description Specify group id to join in the cookie-domain

Type: number

Range: 0-31

cookie-domain

Specification	
Type	*list*
Block object keys	

cookie-dmn

Description Specify domain scope for the authentication (ex: .a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 2 characters

2.1.63 aam authorization

AAM authorization related configuration

authorization Specification

Type	*Intermediate Resource*
Element Name	authorization
Element URI	/axapi/v3/aam/authorization
Element Attributes	authorization_attributes
Schema	`authorization schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authorization

authorization_attributes

authorization attributes

jwt

Description: jwt is a **JSON Block**. Please see below for *jwt*

Type: Object

Refernce Object: */axapi/v3/aam/authorization/jwt*

policy-list

Type: List

Refernce Object: */axapi/v3/aam/authorization/policy/{name}*

policy-list

Specification	
Type	*list*
Block object keys	

attribute-list

Type: List

Refernce Object: */axapi/v3/aam/authorization/policy/{name}/attribute/{attr-num}*

attribute-rule

Description Define attribute rule for authorization policy

Type: string

Format: string-rlx

extended-filter

Description Extended search filter. EX: Check whether user belongs to a nested group. (memberOf:1.2.840.113556.1.4.1941:=$GROUP-DN)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

forward-policy-authorize-only

Description This policy only provides server info for forward policy feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-authorization

Description Specify JWT authorization template (Specify JWT authorization template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: jwt-authorization server and service-group are mutually exclusive

Refernce Object: */axapi/v3/aam/jwt-authorization*

jwt-claim-map-list

Type: List

Refernce Object: */axapi/v3/aam/authorization/policy/{name}/jwt-claim-map/{attr-num}*

name

Description Specify authorization policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server

Description Specify a LDAP or RADIUS server for authorization (Specify a LDAP or RADIUS server name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: server service-group and jwt-authorization are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance*

service-group

Description Specify an authentication service group for authorization (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group server and jwt-authorization are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_jwt-claim-map-list

Specification	
Type	*list*
Block object keys	

attr-num

Description Spcify attribute ID for claim mapping

Type: number

Range: 1-32

bool-val

Description 'true': True; 'false': False;

Type: string

Supported Values: true, false

boolean-type

Description Claim type is boolean

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: boolean-type string-type and number-type are mutually exclusive

claim

Description Specify JWT claim name to map to.

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

num-val

Description Specify JWT claim value.

Type: number

Range: 0-4294967295

number-type

Description Claim type is number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: number-type string-type and boolean-type are mutually exclusive

str-val

Description Specify JWT claim value.

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

string-type

Description Claim type is string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: string-type number-type and boolean-type are mutually exclusive

type

Description Specify claim type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_attribute-list

Specification	
Type	*list*
Block object keys	

A10-AX-AUTH-URI

Description Custom-defined attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: A10-AX-AUTH-URI and attribute-name are mutually exclusive

a10-dynamic-defined

Description The value of this attribute will depend on AX configuration instead of user configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

any

Description Matched when attribute is present (with any value).

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and attr-type are mutually exclusive

attr-int

Description 'equal': Operation type is equal; 'not-equal': Operation type is not equal; 'less-than': Operation type is less-than; 'more-than': Operation type is more-than; 'less-than-equal-to': Operation type is less-than-equal-to; 'more-than-equal-to': Operation type is more-thatn-equal-to;

Type: string

Supported Values: equal, not-equal, less-than, more-than, less-than-equal-to, more-than-equal-to

attr-int-val

Description Set attribute value

Type: number

Range: 0-4294967295

attr-ip

Description 'equal': Operation type is equal; 'not-equal': Operation type is not-equal;

Type: string

Supported Values: equal, not-equal

attr-ipv4

Description IPv4 address

Type: string

Format: ipv4-address

attr-num

Description Set attribute ID for authorization policy

Type: number

Range: 1-32

attr-number

Description 'equal': Operation type is equal; 'not-equal': Operation type is not equal; 'less-than': Operation type is less-than; 'more-than': Operation type is more-than; 'less-than-equal-to': Operation type is less-than-equal-to; 'more-than-equal-to': Operation type is more-thatn-equal-to;

Type: string

Supported Values: equal, not-equal, less-than, more-than, less-than-equal-to, more-than-equal-to

attr-number-val

Description Set attribute value

Type: string

Maximum Length: 20 characters

Maximum Length: 1 characters

attr-str

Description 'match': Operation type is match; 'sub-string': Operation type is sub-string;

Type: string

Supported Values: match, sub-string

attr-str-val

Description Set attribute value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

attr-type

Description Specify attribute type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: attr-type and any are mutually exclusive

attribute-name

Description Specify attribute name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: attribute-name and A10-AX-AUTH-URI are mutually exclusive

custom-attr-str

Description 'match': Operation type is match; 'sub-string': Operation type is sub-string;

Type: string

Supported Values: match, sub-string

custom-attr-type

Description Specify attribute type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

integer-type

Description Attribute type is integer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: integer-typestring-type, ip-type and number-type are mutually exclusive

ip-type

Description IP address is transformed into network byte order

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ip-typestring-type, integer-type and number-type are mutually exclusive

number-type

Description Attribute type is decimal number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: number-typestring-type, integer-type and ip-type are mutually exclusive

string-type

Description Attribute type is string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: string-typeinteger-type, ip-type and number-type are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

jwt

Specification	
Type	*object*

cache

Description: cache is a **JSON Block**. Please see below for *jwt_cache*

Type: Object

Refernce Object: */axapi/v3/aam/authorization/jwt/cache*

jwt_cache

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.64 aam authorization jwt

AAM authorization JWT related operations

jwt Specification

Type	*Intermediate Resource*
Element Name	jwt
Element URI	/axapi/v3/aam/authorization/jwt
Element Attributes	jwt_attributes
Schema	`jwt schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/authorization/jwt

jwt_attributes

jwt attributes

cache

Description: cache is a **JSON Block**. Please see below for *cache*

Type: Object

Refernce Object: */axapi/v3/aam/authorization/jwt/cache*

cache

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.65 aam authorization jwt cache

AAM authorization JWT cache related operations

cache Specification

Type	*Configuration Resource*
Element Name	cache
Element URI	/axapi/v3/aam/authorization/jwt/cache
Element Attributes	cache_attributes
Operational Data URI	/axapi/v3/aam/authorization/jwt/cache/oper
Schema	`cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authorization/jwt/cache

cache attributes

Get Object

GET

/axapi/v3/aam/authorization/jwt/cache

cache attributes

Modify Object

POST

/axapi/v3/aam/authorization/jwt/cache

cache attributes

Replace Object

PUT

/axapi/v3/aam/authorization/jwt/cache

cache attributes

Delete Object

DELETE

/axapi/v3/aam/authorization/jwt/cache

cache attributes

cache attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	max_token_cache	number	max_token_cache
	cache-list		cache-list
	audience	string	audience
	to-ken_cached	number	token_cached
	to-ken_cache_hit	number	token_cache_hit

2.1.66 aam authorization policy

Authorization-policy configuration

policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*policy-list*
Collection URI	/axapi/v3/aam/authorization/policy
Element Name	policy
Element URI	/axapi/v3/aam/authorization/policy/{name}
Element Attributes	policy_attributes
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authorization/policy

policy attributes

```
POST /axapi/v3/aam/authorization/policy/
Payload:
{
    "policy": {
        "name": "a",
        "user-tag": "a",
        "attribute-rule": "1 and 2"
    }
}
```

Create List

POST

/axapi/v3/aam/authorization/policy

policy attributes

Get Object

GET

/axapi/v3/aam/authorization/policy/{name}

policy attributes

```
GET /axapi/v3/aam/authorization/policy/a/attribute/1
Reponse:
{
    "attribute": {
        "attr-num": 1,
        "attribute-name": "a",
        "any": 1,
        "uuid": "57415d82-600b-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/aam/authorization/policy/a/attribute/1"
    }
}
```

Get List

GET

/axapi/v3/aam/authorization/policy

policy-list

Modify Object

POST

/axapi/v3/aam/authorization/policy/{name}

policy attributes

Replace Object

PUT

/axapi/v3/aam/authorization/policy/{name}

policy attributes

```
PUT /axapi/v3/aam/authorization/policy/a/attribute/1
Payload:
{
    "attribute": {
        "attr-num": 1,
        "attribute-name": "abcd",
        "any": 1
    }
}
```

Replace List

PUT

/axapi/v3/aam/authorization/policy

policy-list

Delete Object

DELETE

/axapi/v3/aam/authorization/policy/{name}

policy attributes

```
DELETE /axapi/v3/aam/authorization/policy/a/attribute/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

attribute-list

Type: List

Refernce Object: */axapi/v3/aam/authorization/policy/{name}/attribute/{attr-num}*

attribute-rule

Description Define attribute rule for authorization policy

Type: string

Format: string-rlx

extended-filter

Description Extended search filter. EX: Check whether user belongs to a nested group. (memberOf:1.2.840.113556.1.4.1941:=$GROUP-DN)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

forward-policy-authorize-only

Description This policy only provides server info for forward policy feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-authorization

Description Specify JWT authorization template (Specify JWT authorization template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: jwt-authorization server and service-group are mutually exclusive

Refernce Object: */axapi/v3/aam/jwt-authorization*

jwt-claim-map-list

Type: List

Refernce Object: */axapi/v3/aam/authorization/policy/{name}/jwt-claim-map/{attr-num}*

name

Description Specify authorization policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server

Description Specify a LDAP or RADIUS server for authorization (Specify a LDAP or RADIUS server name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: server service-group and jwt-authorization are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap/instance*

service-group

Description Specify an authentication service group for authorization (Specify authentication service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group server and jwt-authorization are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

jwt-claim-map-list

Specification	
Type	*list*
Block object keys	

attr-num

Description Spcify attribute ID for claim mapping

Type: number

Range: 1-32

bool-val

Description 'true': True; 'false': False;

Type: string

Supported Values: true, false

boolean-type

Description Claim type is boolean

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: boolean-type string-type and number-type are mutually exclusive

claim

Description Specify JWT claim name to map to.

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

num-val

Description Specify JWT claim value.

Type: number

Range: 0-4294967295

number-type

Description Claim type is number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: number-type string-type and boolean-type are mutually exclusive

str-val

Description Specify JWT claim value.

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

string-type

Description Claim type is string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: string-type number-type and boolean-type are mutually exclusive

type

Description Specify claim type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

attribute-list

Specification	
Type	*list*
Block object keys	

A10-AX-AUTH-URI

Description Custom-defined attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: A10-AX-AUTH-URI and attribute-name are mutually exclusive

a10-dynamic-defined

Description The value of this attribute will depend on AX configuration instead of user configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

any

Description Matched when attribute is present (with any value).

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and attr-type are mutually exclusive

attr-int

Description 'equal': Operation type is equal; 'not-equal': Operation type is not equal; 'less-than': Operation type is less-than; 'more-than': Operation type is more-than; 'less-than-equal-to': Operation type is less-than-equal-to; 'more-than-equal-to': Operation type is more-thatn-equal-to;

Type: string

Supported Values: equal, not-equal, less-than, more-than, less-than-equal-to, more-than-equal-to

attr-int-val

Description Set attribute value

Type: number

Range: 0-4294967295

attr-ip

Description 'equal': Operation type is equal; 'not-equal': Operation type is not-equal;

Type: string

Supported Values: equal, not-equal

attr-ipv4

Description IPv4 address

Type: string

Format: ipv4-address

attr-num

Description Set attribute ID for authorization policy

Type: number

Range: 1-32

attr-number

Description 'equal': Operation type is equal; 'not-equal': Operation type is not equal; 'less-than': Operation type is less-than; 'more-than': Operation type is more-than; 'less-than-equal-to': Operation type is less-than-equal-to; 'more-than-equal-to': Operation type is more-thatn-equal-to;

Type: string

Supported Values: equal, not-equal, less-than, more-than, less-than-equal-to, more-than-equal-to

attr-number-val

Description Set attribute value

Type: string

Maximum Length: 20 characters

Maximum Length: 1 characters

attr-str

Description 'match': Operation type is match; 'sub-string': Operation type is sub-string;

Type: string

Supported Values: match, sub-string

attr-str-val

Description Set attribute value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

attr-type

Description Specify attribute type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: attr-type and any are mutually exclusive

attribute-name

Description Specify attribute name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: attribute-name and A10-AX-AUTH-URI are mutually exclusive

custom-attr-str

Description 'match': Operation type is match; 'sub-string': Operation type is sub-string;

Type: string

Supported Values: match, sub-string

custom-attr-type

Description Specify attribute type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

integer-type

Description Attribute type is integer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: integer-typestring-type, ip-type and number-type are mutually exclusive

ip-type

Description IP address is transformed into network byte order

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ip-typestring-type, integer-type and number-type are mutually exclusive

number-type

Description Attribute type is decimal number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: number-typestring-type, integer-type and ip-type are mutually exclusive

string-type

Description Attribute type is string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: string-typeinteger-type, ip-type and number-type are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.67 aam authorization policy attribute

Authorization-policy attribute configuration

attribute Specification

Type	*Collection*
Object Key(s)	*attr-num*
Collection Name	*attribute-list*
Collection URI	/axapi/v3/aam/authorization/policy/{name}/attribute
Element Name	attribute
Element URI	/axapi/v3/aam/authorization/policy/{name}/attribute/{attr-num}
Element Attributes	attribute_attributes
Schema	`attribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authorization/policy/{name}/attribute

attribute attributes

Create List

POST

/axapi/v3/aam/authorization/policy/{name}/attribute

attribute attributes

Get Object

GET

/axapi/v3/aam/authorization/policy/{name}/attribute/{attr-num}

attribute attributes

Get List

GET

/axapi/v3/aam/authorization/policy/{name}/attribute

attribute-list

Modify Object

POST

/axapi/v3/aam/authorization/policy/{name}/attribute/{attr-num}

attribute attributes

Replace Object

PUT

/axapi/v3/aam/authorization/policy/{name}/attribute/{attr-num}

attribute attributes

Replace List

PUT

/axapi/v3/aam/authorization/policy/{name}/attribute

attribute-list

Delete Object

DELETE

/axapi/v3/aam/authorization/policy/{name}/attribute/{attr-num}

attribute attributes

attribute-list

attribute-list is **JSON List** of *attribute attributes*

attribute-list : [

{ *attribute attributes* },

{ *attribute attributes* },

...

]

attribute attributes

A10-AX-AUTH-URI

Description Custom-defined attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: A10-AX-AUTH-URI and attribute-name are mutually exclusive

a10-dynamic-defined

Description The value of this attribute will depend on AX configuration instead of user configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

any

Description Matched when attribute is present (with any value).

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and attr-type are mutually exclusive

attr-int

Description 'equal': Operation type is equal; 'not-equal': Operation type is not equal; 'less-than': Operation type is less-than; 'more-than': Operation type is more-than; 'less-than-equal-to': Operation type is less-than-equal-to; 'more-than-equal-to': Operation type is more-thatn-equal-to;

Type: string

Supported Values: equal, not-equal, less-than, more-than, less-than-equal-to, more-than-equal-to

attr-int-val

Description Set attribute value

Type: number

Range: 0-4294967295

attr-ip

Description 'equal': Operation type is equal; 'not-equal': Operation type is not-equal;

Type: string

Supported Values: equal, not-equal

attr-ipv4

Description IPv4 address

Type: string

Format: ipv4-address

attr-num

Description Set attribute ID for authorization policy

Type: number

Range: 1-32

attr-number

Description 'equal': Operation type is equal; 'not-equal': Operation type is not equal; 'less-than': Operation type is less-than; 'more-than': Operation type is more-than; 'less-than-equal-to': Operation type is less-than-equal-to; 'more-than-equal-to': Operation type is more-thatn-equal-to;

Type: string

Supported Values: equal, not-equal, less-than, more-than, less-than-equal-to, more-than-equal-to

attr-number-val

Description Set attribute value

Type: string

Maximum Length: 20 characters

Maximum Length: 1 characters

attr-str

Description 'match': Operation type is match; 'sub-string': Operation type is sub-string;

Type: string

Supported Values: match, sub-string

attr-str-val

Description Set attribute value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

attr-type

Description Specify attribute type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: attr-type and any are mutually exclusive

attribute-name

Description Specify attribute name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: attribute-name and A10-AX-AUTH-URI are mutually exclusive

custom-attr-str

Description 'match': Operation type is match; 'sub-string': Operation type is sub-string;

Type: string

Supported Values: match, sub-string

custom-attr-type

Description Specify attribute type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

integer-type

Description Attribute type is integer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: integer-typestring-type, ip-type and number-type are mutually exclusive

ip-type

Description IP address is transformed into network byte order

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ip-typestring-type, integer-type and number-type are mutually exclusive

number-type

Description Attribute type is decimal number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: number-typestring-type, integer-type and ip-type are mutually exclusive

string-type

Description Attribute type is string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: string-typeinteger-type, ip-type and number-type are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.68 aam authorization policy jwt-claim-map

Map attributes to JWT claims

jwt-claim-map Specification

Type	*Collection*
Object Key(s)	*attr-num*
Collection Name	*jwt-claim-map-list*
Collection URI	/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map
Element Name	jwt-claim-map
Element URI	/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map/{attr-num}
Element Attributes	jwt-claim-map_attributes
Schema	`jwt-claim-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map

jwt-claim-map attributes

Create List

POST

/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map

jwt-claim-map attributes

Get Object

GET

/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map/{attr-num}

jwt-claim-map attributes

Get List

GET

/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map

jwt-claim-map-list

Modify Object

POST

/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map/{attr-num}

jwt-claim-map attributes

Replace Object

PUT

/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map/{attr-num}

jwt-claim-map attributes

Replace List

PUT

/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map

jwt-claim-map-list

Delete Object

DELETE

/axapi/v3/aam/authorization/policy/{name}/jwt-claim-map/{attr-num}

jwt-claim-map attributes

jwt-claim-map-list

jwt-claim-map-list is **JSON List** of *jwt-claim-map attributes*

```
jwt-claim-map-list : [
        { jwt-claim-map attributes },
        { jwt-claim-map attributes },
        ...
    ]
```

jwt-claim-map attributes

attr-num

Description Spcify attribute ID for claim mapping

Type: number

Range: 1-32

bool-val

Description 'true': True; 'false': False;

Type: string

Supported Values: true, false

boolean-type

Description Claim type is boolean

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: boolean-type string-type and number-type are mutually exclusive

claim

Description Specify JWT claim name to map to.

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

num-val

Description Specify JWT claim value.

Type: number

Range: 0-4294967295

number-type

Description Claim type is number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: number-type string-type and boolean-type are mutually exclusive

str-val

Description Specify JWT claim value.

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

string-type

Description Claim type is string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: string-type number-type and boolean-type are mutually exclusive

type

Description Specify claim type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.69 aam file-category-log

File Category Log Info

file-category-log Specification

Type	*Intermediate Resource*
Element Name	file-category-log
Element URI	/axapi/v3/aam/file-category-log
Element Attributes	file-category-log_attributes
Schema	`file-category-log schema`

Operations Allowed:

Get Object

GET

/axapi/v3/aam/file-category-log

file-category-log_attributes

file-category-log attributes

count-in-interval

Description: count-in-interval is a **JSON Block**. Please see below for *count-in-interval*

Type: Object

Refernce Object: */axapi/v3/aam/file-category-log/count-in-interval*

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

Refernce Object: */axapi/v3/aam/file-category-log/log*

top-destip

Description: top-destip is a **JSON Block**. Please see below for *top-destip*

Type: Object

Refernce Object: */axapi/v3/aam/file-category-log/top-destip*

top-fileext

Description: top-fileext is a **JSON Block**. Please see below for *top-fileext*

Type: Object

Refernce Object: */axapi/v3/aam/file-category-log/top-fileext*

top-filename

Description: top-filename is a **JSON Block**. Please see below for *top-filename*

Type: Object

Refernce Object: */axapi/v3/aam/file-category-log/top-filename*

top-srcip

Description: top-srcip is a **JSON Block**. Please see below for *top-srcip*

Type: Object

Refernce Object: */axapi/v3/aam/file-category-log/top-srcip*

top-url

Description: top-url is a **JSON Block**. Please see below for *top-url*

Type: Object

Refernce Object: */axapi/v3/aam/file-category-log/top-url*

top-srcip

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-url

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-fileext

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-filename

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-destip

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

count-in-interval

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.1.70 aam jwt-authorization

AAM JWT authorization related configuration

jwt-authorization Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*jwt-authorization-list*
Collection URI	/axapi/v3/aam/jwt-authorization
Element Name	jwt-authorization
Element URI	/axapi/v3/aam/jwt-authorization/{name}
Element Attributes	jwt-authorization_attributes
Statistics Data URI	/axapi/v3/aam/jwt-authorization/{name}/stats
Schema	`jwt-authorization schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/jwt-authorization

jwt-authorization attributes

Create List

POST

/axapi/v3/aam/jwt-authorization

jwt-authorization attributes

Get Object

GET

/axapi/v3/aam/jwt-authorization/{name}

jwt-authorization attributes

Get List

GET

/axapi/v3/aam/jwt-authorization

jwt-authorization-list

Modify Object

POST

/axapi/v3/aam/jwt-authorization/{name}

jwt-authorization attributes

Replace Object

PUT

/axapi/v3/aam/jwt-authorization/{name}

jwt-authorization attributes

Replace List

PUT

/axapi/v3/aam/jwt-authorization

jwt-authorization-list

Delete Object

DELETE

/axapi/v3/aam/jwt-authorization/{name}

jwt-authorization attributes

jwt-authorization-list

jwt-authorization-list is **JSON List** of *jwt-authorization attributes*

jwt-authorization-list : [

{ *jwt-authorization attributes* },

{ *jwt-authorization attributes* },

...

]

jwt-authorization attributes

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

exp-claim-requried

Description Specify the exp claim is required for JWT authorization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-cache-enable

Description Enable caching authorized JWT token and skip verification and authorization for cached tokens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-exp-default

Description Specify the default token expiration if exp claim is not available (default 1800)

Type: number

Range: 1-86400

jwt-forwarding

Description Specify JWT token will not be stripped while forwarding client request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description '0': log disable; '1': only log authorzation fail (default); '2': only log authorization success; '3': log all;

Type: string

Supported Values: 0, 1, 2, 3

name

Description Specify JWT authorization template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification-cert

Description Specify the certificate to verify JWT token signature

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-cert verification-jwks and verification-secret are mutually exclusive

verification-jwks

Description Specify the jwks file to verify JWT token signature

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-jwks verification-cert and verification-secret are mutually exclusive

verification-secret

Description Specify secret for verify JWT token signature

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: verification-secret verification-cert and verification-jwks are mutually exclusive

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'jwt-request': JWT Request; 'jwt-authorize-success': JWT Authorize Success; 'jwt-authorize-failure': JWT Authorize Failure; 'jwt-missing-token': JWT Missing Token; 'jwt-missing-claim': JWT Missing Claim; 'jwt-token-expired': JWT Token Expired; 'jwt-signature-failure': JWT Signature Failure; 'jwt-other-error': JWT Other Error;

Type: string

Supported Values: all, jwt-request, jwt-authorize-success, jwt-authorize-failure, jwt-missing-token, jwt-missing-claim, jwt-token-expired, jwt-signature-failure, jwt-other-error

stats data

	Counter	Size	Description
	jwt-request	8	JWT Request
	jwt-authorize-success	8	JWT Authorize Success
	jwt-token-expired	8	JWT Token Expired
	jwt-authorize-failure	8	JWT Authorize Failure
	jwt-missing-claim	8	JWT Missing Claim
	jwt-signature-failure	8	JWT Signature Failure
	jwt-other-error	8	JWT Other Error
	jwt-missing-token	8	JWT Missing Token

2.1.71 aam rdns

rdns Specification

Type	*Configuration Resource*
Element Name	rdns
Element URI	/axapi/v3/aam/rdns
Element Attributes	rdns_attributes
Operational Data URI	/axapi/v3/aam/rdns/oper
Schema	`rdns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/rdns

rdns attributes

Get Object

GET

/axapi/v3/aam/rdns

rdns attributes

Modify Object

POST

/axapi/v3/aam/rdns

rdns attributes

Replace Object

PUT

/axapi/v3/aam/rdns

rdns attributes

Delete Object

DELETE

/axapi/v3/aam/rdns

rdns attributes

rdns attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	entry-list		entry-list

2.1.72 aam resource-usage

Configure AAM Resource Usage

resource-usage Specification

Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/aam/resource-usage
Element Attributes	resource-usage_attributes
Operational Data URI	/axapi/v3/aam/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/aam/resource-usage

resource-usage attributes

Get Object

GET

/axapi/v3/aam/resource-usage

resource-usage attributes

Modify Object

POST

/axapi/v3/aam/resource-usage

resource-usage attributes

Replace Object

PUT

/axapi/v3/aam/resource-usage

resource-usage attributes

Delete Object

DELETE

/axapi/v3/aam/resource-usage

resource-usage attributes

resource-usage attributes

identity-provider-limit

Description Total Number of Identity Provider exists in the System

Type: number

Range: 64-256

Default: 64

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	idp-limit-maximum	number	idp-limit-maximum
	idp-limit-default	number	idp-limit-default
	idp-limit-current	number	idp-limit-current
	idp-limit-minimum	number	idp-limit-minimum

2.2 access-list

Objects:

2.2.1 access-list

Configure Access List

access-list Specification

Type	*Intermediate Resource*
Element Name	access-list
Element URI	/axapi/v3/access-list
Element Attributes	access-list_attributes
Schema	`access-list schema`

Operations Allowed:

Get Object

GET

/axapi/v3/access-list

access-list_attributes

access-list attributes

extended-list

Type: List

Refernce Object: */axapi/v3/access-list/extended/{extd}*

ipv4

Description: ipv4 is a **JSON Block**. Please see below for *ipv4*

Type: Object

Refernce Object: */axapi/v3/access-list/ipv4*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/access-list/ipv6*

standard-list

Type: List

Refernce Object: */axapi/v3/access-list/standard/{std}*

summary

Description: summary is a **JSON Block**. Please see below for *summary*

Type: Object

Refernce Object: */axapi/v3/access-list/summary*

extended-list

Specification	
Type	*list*
Block object keys	

extd

Description IP extended access list

Type: number

Range: 100-199

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extended-list_rules

Specification	
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code icmp-code and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type icmp-type and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-anydst-host, dst-subnet and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eqdst-gt, dst-lt and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gtdst-eq, dst-lt and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: dst-hostdst-any, dst-subnet and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-ltdst-eq, dst-gt and dst-range are mutually exclusive

dst-mask

Description Destination Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

dst-object-group

Description Destination network object group name (Source network object group name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-groupdst-any, dst-host and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-rangedst-eq, dst-gt and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv4-address

Mutual Exclusion: dst-subnetdst-any, dst-host and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

extd-action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

extd-remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

extd-seq-num

Description Sequence number

Type: number

Range: 1-8192

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmptcp, udp, ip and service-obj-group are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code any-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type any-type and special-type are mutually exclusive

ip

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipicmp, tcp, udp and service-obj-group are mutually exclusive

service-obj-group

Description Service object group (Source object group name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-groupicmp, tcp, udp and ip are mutually exclusive

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code any-code and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type icmp-type and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-anysrc-host, src-subnet and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eqsrc-gt, src-lt and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gtsrc-eq, src-lt and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: src-hostsrc-any, src-subnet and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-ltsrc-eq, src-gt and src-range are mutually exclusive

src-mask

Description Source Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

src-object-group

Description Network object group (Source network object group name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-groupsrc-any, src-host and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-rangesrc-eq, src-gt and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv4-address

Mutual Exclusion: src-subnetsrc-any, src-host and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcpicmp, udp, ip and service-obj-group are mutually exclusive

transparent-session-only

Description Only log transparent sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udpicmp, tcp, ip and service-obj-group are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

summary

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-list

Specification	
Type	*list*
Block object keys	

std

Description IP standard access list

Type: number

Range: 1-99

stdrules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-list_stdrules

Specification	
Type	*list*
Block object keys	

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any host and subnet are mutually exclusive

host

Description A single source host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: host any and subnet are mutually exclusive

log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rev-subnet-mask

Description Network Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

seq-num

Description Sequence number

Type: number

Range: 1-8192

std-remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

subnet

Description Address to match

Type: string

Format: ipv4-address

Mutual Exclusion: subnet any and host are mutually exclusive

transparent-session-only

Description Only log transparent sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.2.2 access-list extended

Configure Extended Access List

extended Specification

Type	*Collection*
Object Key(s)	*extd*
Collection Name	*extended-list*
Collection URI	/axapi/v3/access-list/extended
Element Name	extended
Element URI	/axapi/v3/access-list/extended/{extd}
Element Attributes	extended_attributes
Schema	`extended schema`

Operations Allowed:

Create Object

POST

/axapi/v3/access-list/extended

extended attributes

```
POST /axapi/v3/access-list/extended/
Payload:
{
    "extended": {
        "extd": 100,
        "rules": [
            {
                "extd-seq-num": 1,
                "extd-action": "deny",
                "tcp": 1,
                "src-any": 1,
                "src-eq": 1,
                "dst-any": 1,
                "dst-eq": 1,
                "ethernet": 1,
                "acl-log": 1,
                "transparent-session-only": 1
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/access-list/extended

extended attributes

Get Object

GET

/axapi/v3/access-list/extended/{extd}

extended attributes

```
GET /axapi/v3/access-list/extended/100
Reponse:
{
    "extended": {
        "extd": 100,
        "rules": [
            {
                "extd-seq-num": 1,
                "extd-action": "deny",
                "tcp": 1,
                "src-any": 1,
                "src-eq": 1,
                "dst-any": 1,
                "dst-eq": 1,
                "ethernet": 1,
                "acl-log": 1,
                "transparent-session-only": 1
            }
        ],
        "uuid": "7525b192-4d0c-11e9-8b76-000c2940c949",
        "a10-url": "/axapi/v3/access-list/extended/100"
    }
}
```

Get List

GET

/axapi/v3/access-list/extended

extended-list

Modify Object

POST

/axapi/v3/access-list/extended/{extd}

extended attributes

Replace Object

PUT

/axapi/v3/access-list/extended/{extd}

extended attributes

```
PUT /axapi/v3/access-list/extended/100
Payload:
{
    "extended": {
        "extd": 100,
        "rules": [
            {
                "extd-seq-num": 2,
                "extd-action": "permit",
                "tcp": 1,
                "src-any": 1,
```

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```
                "src-eq": 2,
                "dst-any": 1,
                "dst-eq": 2,
                "ethernet": 2,
                "acl-log": 1,
                "transparent-session-only": 1
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/access-list/extended

extended-list

Delete Object

DELETE

/axapi/v3/access-list/extended/{extd}

extended attributes

```
DELETE /axapi/v3/access-list/extended/100
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

extended-list

extended-list is **JSON List** of *extended attributes*

extended-list : [

{ *extended attributes* },

{ *extended attributes* },

...

]

extended attributes

extd

Description IP extended access list

Type: number

Range: 100-199

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code icmp-code and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type icmp-type and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-anydst-host, dst-subnet and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eqdst-gt, dst-lt and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gtdst-eq, dst-lt and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: dst-hostdst-any, dst-subnet and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-ltdst-eq, dst-gt and dst-range are mutually exclusive

dst-mask

Description Destination Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

dst-object-group

Description Destination network object group name (Source network object group name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-groupdst-any, dst-host and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-rangedst-eq, dst-gt and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv4-address

Mutual Exclusion: dst-subnetdst-any, dst-host and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

extd-action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

extd-remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

extd-seq-num

Description Sequence number

Type: number

Range: 1-8192

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmptcp, udp, ip and service-obj-group are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code any-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type any-type and special-type are mutually exclusive

ip

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipicmp, tcp, udp and service-obj-group are mutually exclusive

service-obj-group

Description Service object group (Source object group name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-groupicmp, tcp, udp and ip are mutually exclusive

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code any-code and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type icmp-type and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-anysrc-host, src-subnet and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eqsrc-gt, src-lt and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gtsrc-eq, src-lt and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: src-hostsrc-any, src-subnet and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-ltsrc-eq, src-gt and src-range are mutually exclusive

src-mask

Description Source Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

src-object-group

Description Network object group (Source network object group name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-groupsrc-any, src-host and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-rangesrc-eq, src-gt and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv4-address

Mutual Exclusion: src-subnetsrc-any, src-host and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcpicmp, udp, ip and service-obj-group are mutually exclusive

transparent-session-only

Description Only log transparent sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udpicmp, tcp, ip and service-obj-group are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

2.2.3 access-list ipv4

Display IPv4 ACLs

ipv4 Specification

Type	*Configuration Resource*
Element Name	ipv4
Element URI	/axapi/v3/access-list/ipv4
Element Attributes	ipv4_attributes
Operational Data URI	/axapi/v3/access-list/ipv4/oper
Schema	`ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/access-list/ipv4

ipv4 attributes

Get Object

GET

/axapi/v3/access-list/ipv4

ipv4 attributes

Modify Object

POST

/axapi/v3/access-list/ipv4

ipv4 attributes

Replace Object

PUT

/axapi/v3/access-list/ipv4

ipv4 attributes

Delete Object

DELETE

/axapi/v3/access-list/ipv4

ipv4 attributes

ipv4 attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	acl-list		acl-list

2.2.4 access-list ipv6

Display IPv6 ACLs

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/access-list/ipv6
Element Attributes	ipv6_attributes
Operational Data URI	/axapi/v3/access-list/ipv6/oper
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/access-list/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/access-list/ipv6

ipv6 attributes

Modify Object

POST

/axapi/v3/access-list/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/access-list/ipv6

ipv6 attributes

Delete Object

DELETE

/axapi/v3/access-list/ipv6

ipv6 attributes

ipv6 attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	acl-list		acl-list

2.2.5 access-list standard

Configure Standard Access List

standard Specification

Type	*Collection*
Object Key(s)	*std*
Collection Name	*standard-list*
Collection URI	/axapi/v3/access-list/standard
Element Name	standard
Element URI	/axapi/v3/access-list/standard/{std}
Element Attributes	standard_attributes
Schema	`standard schema`

Operations Allowed:

Create Object

POST

/axapi/v3/access-list/standard

standard attributes

```
POST /axapi/v3/access-list/standard/
Payload:
{
    "standard": {
        "std": 1,
        "stdrules": [
            {
                "seq-num": 1,
                "action": "deny",
                "any": 1,
                "log": 1,
                "transparent-session-only": 1
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/access-list/standard

standard attributes

Get Object

GET

/axapi/v3/access-list/standard/{std}

standard attributes

```
GET /axapi/v3/access-list/standard/1
Reponse:
{
    "standard": {
        "std": 1,
        "stdrules": [
            {
                "seq-num": 1,
                "action": "deny",
                "any": 1,
                "log": 1,
                "transparent-session-only": 1
            }
        ],
        "uuid": "1c0b05f4-4dfb-11e9-8b76-000c2940c949",
        "a10-url": "/axapi/v3/access-list/standard/1"
    }
}
```

Get List

GET

/axapi/v3/access-list/standard

standard-list

Modify Object

POST

/axapi/v3/access-list/standard/{std}

standard attributes

Replace Object

PUT

/axapi/v3/access-list/standard/{std}

standard attributes

```
PUT /axapi/v3/access-list/standard/1
Payload:
{
    "standard": {
        "std": 1,
        "stdrules": [
            {
                "seq-num": 2,
                "action": "permit",
                "any": 1,
                "log": 1
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/access-list/standard

standard-list

Delete Object

DELETE

/axapi/v3/access-list/standard/{std}

standard attributes

```
DELETE /axapi/v3/access-list/standard/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

standard-list

standard-list is **JSON List** of *standard attributes*

standard-list : [

{ *standard attributes* },

{ *standard attributes* },

...

]

standard attributes

std

Description IP standard access list

Type: number

Range: 1-99

stdrules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stdrules

Specification	
Type	*list*
Block object keys	

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any host and subnet are mutually exclusive

host

Description A single source host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: host any and subnet are mutually exclusive

log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rev-subnet-mask

Description Network Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

seq-num

Description Sequence number

Type: number

Range: 1-8192

std-remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

subnet

Description Address to match

Type: string

Format: ipv4-address

Mutual Exclusion: subnet any and host are mutually exclusive

transparent-session-only

Description Only log transparent sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.3 accounting

Objects:

2.3.1 accounting

Configuration for accounting

accounting Specification

Type	*Configuration Resource*
Element Name	accounting
Element URI	/axapi/v3/accounting
Element Attributes	accounting_attributes
Schema	`accounting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/accounting

accounting attributes

```
POST /axapi/v3/accounting
Payload:
{
    "accounting": {
        "exec": {
            "accounting-exec-type": "start-stop",
            "accounting-exec-method": "tacplus"
        },
        "commands": 0,
        "tacplus": 1,
        "stop-only": 1
    }
}
```

Get Object

GET

/axapi/v3/accounting

accounting attributes

```
GET /axapi/v3/accounting
Reponse:
{
    "accounting": {
```

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```
        "commands": 0,
        "stop-only": 1,
        "tacplus": 1,
        "uuid": "85d38f02-600c-11d9-9363-001fa00680a0",
        "exec": {
            "accounting-exec-type": "start-stop",
            "accounting-exec-method": "tacplus",
            "uuid": "85d3993e-600c-11d9-9363-001fa00680a0",
            "a10-url": "/axapi/v3/accounting/exec"
        },
        "a10-url": "/axapi/v3/accounting"
    }
}
```

Modify Object

POST

/axapi/v3/accounting

accounting attributes

Replace Object

PUT

/axapi/v3/accounting

accounting attributes

```
PUT /axapi/v3/accounting
Payload:
{
    "accounting": {
        "exec": {
            "accounting-exec-type": "start-stop",
            "accounting-exec-method": "tacplus"
        },
        "commands": 1,
        "tacplus": 1,
        "stop-only": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/accounting

accounting attributes

```
DELETE /axapi/v3/accounting
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

accounting attributes

commands

Description Enable level for commands accounting

Type: number

Range: 0-15

Default: 0

debug

Description Specify the debug level for accounting (Debug level for command accounting. bitwise OR of the following: 1(common), 2(packet),4(packet detail), 8(md5))

Type: number

Range: 1-15

exec

Description: exec is a **JSON Block**. Please see below for *exec*

Type: Object

Refernce Object: */axapi/v3/accounting/exec*

stop-only

Description Record stop when service terminates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus

Description Use TACACS+ servers for accounting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

exec

Specification	
Type	*object*

accounting-exec-method

Description 'tacplus': Use TACACS+ servers for accounting; 'radius': Use radius servers for accounting;

Type: string

Supported Values: tacplus, radius

accounting-exec-type

Description 'start-stop': Record start and stop without waiting; 'stop-only': Record stop when service terminates;

Type: string

Supported Values: start-stop, stop-only

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.3.2 accounting exec

Configuration for EXEC <shell> accounting

exec Specification

Type	*Configuration Resource*
Element Name	exec
Element URI	/axapi/v3/accounting/exec
Element Attributes	exec_attributes
Schema	`exec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/accounting/exec

exec attributes

```
POST /axapi/v3/accounting/exec
Payload:
{
    "exec": {
        "accounting-exec-type": "start-stop",
        "accounting-exec-method": "tacplus"
    }
}
```

Get Object

GET

/axapi/v3/accounting/exec

exec attributes

```
GET /axapi/v3/accounting/exec
Reponse:
{
    "exec": {
        "accounting-exec-type": "start-stop",
        "accounting-exec-method": "tacplus",
        "uuid": "a24a90ae-600c-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/accounting/exec"
    }
}
```

Modify Object

POST

/axapi/v3/accounting/exec

exec attributes

Replace Object

PUT

/axapi/v3/accounting/exec

exec attributes

```
PUT /axapi/v3/accounting/exec
Payload:
{
    "exec": {
        "accounting-exec-type": "start-stop",
        "accounting-exec-method": "tacplus"
    }
}
```

Delete Object

DELETE

/axapi/v3/accounting/exec

exec attributes

```
DELETE /axapi/v3/accounting/exec
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

exec attributes

accounting-exec-method

Description 'tacplus': Use TACACS+ servers for accounting; 'radius': Use radius servers for accounting;

Type: string

Supported Values: tacplus, radius

accounting-exec-type

Description 'start-stop': Record start and stop without waiting; 'stop-only': Record stop when service terminates;

Type: string

Supported Values: start-stop, stop-only

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.4 acos-cloud-integration

Objects:

2.4.1 acos-cloud-integration

Setting for heterogeneous cloud environment integration

acos-cloud-integration Specification

Type	*Configuration Resource*
Element Name	acos-cloud-integration
Element URI	/axapi/v3/acos-cloud-integration
Element Attributes	acos-cloud-integration_attributes
Schema	`acos-cloud-integration schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-cloud-integration

acos-cloud-integration attributes

Get Object

GET

/axapi/v3/acos-cloud-integration

acos-cloud-integration attributes

Modify Object

POST

/axapi/v3/acos-cloud-integration

acos-cloud-integration attributes

Replace Object

PUT

/axapi/v3/acos-cloud-integration

acos-cloud-integration attributes

acos-cloud-integration attributes

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ecosystem

Description: ecosystem is a **JSON Block**. Please see below for *ecosystem*

Type: Object

Refernce Object: */axapi/v3/acos-cloud-integration/ecosystem*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ecosystem

Specification	
Type	*object*

consul

Description: consul is a **JSON Block**. Please see below for *ecosystem_consul*

Type: Object

Refernce Object: */axapi/v3/acos-cloud-integration/ecosystem/consul*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oracle

Description: oracle is a **JSON Block**. Please see below for *ecosystem_oracle*

Type: Object

Refernce Object: */axapi/v3/acos-cloud-integration/ecosystem/oracle*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ecosystem_oracle

Specification	
Type	*object*

action

Description 'enable': Enable Configuration; 'disable': Disable Configuration;

Type: string

Supported Values: enable, disable

Default: disable

compartment-id

Description OCI compartment id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

fingerprint

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

health-check-interval

Description '5': 5 seconds; '10': 10 seconds; '15': 15 seconds; '20': 20 seconds;

Type: string

Supported Values: 5, 10, 15, 20

host-name

Description Configure the host name for bootstrap server(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

ipv4-address

Description Configure the bootstrap server's IPv4 address (the host IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the bootstrap server's IPv6 address (the host IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

port

Description Configure the http port to use (port 8500)

Type: number

Range: 1-65535

private-key-path

Description

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

service-label

Type: List

tenancy-id

Description OCI tenancy id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-id

Description OCI user id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ecosystem_oracle_service-label

Specification	
Type	*list*
Block object keys	

service-label-name

Description Name service group to be monitored

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

ecosystem_consul

Specification	
Type	*object*

action

Description 'enable': Enable Configuration; 'disable': Disable Configuration;

Type: string

Supported Values: enable, disable

Default: disable

health-check-interval

Description '5': 5 seconds; '10': 10 seconds; '15': 15 seconds; '20': 20 seconds;

Type: string

Supported Values: 5, 10, 15, 20

host-name

Description Configure the host name for bootstrap server(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

ipv4-address

Description Configure the bootstrap server's IPv4 address (the host IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the bootstrap server's IPv6 address (the host IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

port

Description Configure the http port to use (port 8500)

Type: number

Range: 1-65535

service-label

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ecosystem_consul_service-label

Specification	
Type	*list*
Block object keys	

service-label-name

Description Name service group to be monitored

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

2.4.2 acos-cloud-integration ecosystem

Ecosystem setting for heterogeneous cloud environment integration

ecosystem Specification

Type	*Configuration Resource*
Element Name	ecosystem
Element URI	/axapi/v3/acos-cloud-integration/ecosystem
Element Attributes	ecosystem_attributes
Schema	`ecosystem schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-cloud-integration/ecosystem

ecosystem attributes

Get Object

GET

/axapi/v3/acos-cloud-integration/ecosystem

ecosystem attributes

Modify Object

POST

/axapi/v3/acos-cloud-integration/ecosystem

ecosystem attributes

Replace Object

PUT

/axapi/v3/acos-cloud-integration/ecosystem

ecosystem attributes

ecosystem attributes

consul

Description: consul is a **JSON Block**. Please see below for *consul*

Type: Object

Refernce Object: */axapi/v3/acos-cloud-integration/ecosystem/consul*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oracle

Description: oracle is a **JSON Block**. Please see below for *oracle*

Type: Object

Refernce Object: */axapi/v3/acos-cloud-integration/ecosystem/oracle*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oracle

Specification	
Type	*object*

action

Description 'enable': Enable Configuration; 'disable': Disable Configuration;

Type: string

Supported Values: enable, disable

Default: disable

compartment-id

Description OCI compartment id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

fingerprint

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

health-check-interval

Description '5': 5 seconds; '10': 10 seconds; '15': 15 seconds; '20': 20 seconds;

Type: string

Supported Values: 5, 10, 15, 20

host-name

Description Configure the host name for bootstrap server(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

ipv4-address

Description Configure the bootstrap server's IPv4 address (the host IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the bootstrap server's IPv6 address (the host IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

port

Description Configure the http port to use (port 8500)

Type: number

Range: 1-65535

private-key-path

Description

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

service-label

Type: List

tenancy-id

Description OCI tenancy id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-id

Description OCI user id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oracle_service-label

Specification	
Type	*list*
Block object keys	

service-label-name

Description Name service group to be monitored

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

consul

Specification	
Type	*object*

action

Description 'enable': Enable Configuration; 'disable': Disable Configuration;

Type: string

Supported Values: enable, disable

Default: disable

health-check-interval

Description '5': 5 seconds; '10': 10 seconds; '15': 15 seconds; '20': 20 seconds;

Type: string

Supported Values: 5, 10, 15, 20

host-name

Description Configure the host name for bootstrap server(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

ipv4-address

Description Configure the bootstrap server's IPv4 address (the host IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the bootstrap server's IPv6 address (the host IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

port

Description Configure the http port to use (port 8500)

Type: number

Range: 1-65535

service-label

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

consul_service-label

Specification	
Type	*list*
Block object keys	

service-label-name

Description Name service group to be monitored

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

2.4.3 acos-cloud-integration ecosystem consul

Configure the consul ecosystem for integration

consul Specification

Type	*Configuration Resource*
Element Name	consul
Element URI	/axapi/v3/acos-cloud-integration/ecosystem/consul
Element Attributes	consul_attributes
Schema	`consul schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-cloud-integration/ecosystem/consul

consul attributes

Get Object

GET

/axapi/v3/acos-cloud-integration/ecosystem/consul

consul attributes

Modify Object

POST

/axapi/v3/acos-cloud-integration/ecosystem/consul

consul attributes

Replace Object

PUT

/axapi/v3/acos-cloud-integration/ecosystem/consul

consul attributes

Delete Object

DELETE

/axapi/v3/acos-cloud-integration/ecosystem/consul

consul attributes

consul attributes

action

Description 'enable': Enable Configuration; 'disable': Disable Configuration;

Type: string

Supported Values: enable, disable

Default: disable

health-check-interval

Description '5': 5 seconds; '10': 10 seconds; '15': 15 seconds; '20': 20 seconds;

Type: string

Supported Values: 5, 10, 15, 20

host-name

Description Configure the host name for bootstrap server(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

ipv4-address

Description Configure the bootstrap server's IPv4 address (the host IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the bootstrap server's IPv6 address (the host IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

port

Description Configure the http port to use (port 8500)

Type: number

Range: 1-65535

service-label

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-label

Specification	
Type	*list*
Block object keys	

service-label-name

Description Name service group to be monitored

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

2.4.4 acos-cloud-integration ecosystem oracle

Configure the oracle ecosystem for integration

oracle Specification

Type	*Configuration Resource*
Element Name	oracle
Element URI	/axapi/v3/acos-cloud-integration/ecosystem/oracle
Element Attributes	oracle_attributes
Schema	`oracle schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-cloud-integration/ecosystem/oracle

oracle attributes

Get Object

GET

/axapi/v3/acos-cloud-integration/ecosystem/oracle

oracle attributes

Modify Object

POST

/axapi/v3/acos-cloud-integration/ecosystem/oracle

oracle attributes

Replace Object

PUT

/axapi/v3/acos-cloud-integration/ecosystem/oracle

oracle attributes

Delete Object

DELETE

/axapi/v3/acos-cloud-integration/ecosystem/oracle

oracle attributes

oracle attributes

action

Description 'enable': Enable Configuration; 'disable': Disable Configuration;

Type: string

Supported Values: enable, disable

Default: disable

compartment-id

Description OCI compartment id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

fingerprint

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

health-check-interval

Description '5': 5 seconds; '10': 10 seconds; '15': 15 seconds; '20': 20 seconds;

Type: string

Supported Values: 5, 10, 15, 20

host-name

Description Configure the host name for bootstrap server(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

ipv4-address

Description Configure the bootstrap server's IPv4 address (the host IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the bootstrap server's IPv6 address (the host IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

port

Description Configure the http port to use (port 8500)

Type: number

Range: 1-65535

private-key-path

Description

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

service-label

Type: List

tenancy-id

Description OCI tenancy id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-id

Description OCI user id

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-label

Specification	
Type	*list*
Block object keys	

service-label-name

Description Name service group to be monitored

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

2.5 acos-events

Objects:

2.5.1 acos-events

Configure message logging

acos-events Specification

Type	*Intermediate Resource*
Element Name	acos-events
Element URI	/axapi/v3/acos-events
Element Attributes	acos-events_attributes
Schema	`acos-events schema`

Operations Allowed:

Get Object

GET

/axapi/v3/acos-events

acos-events_attributes

acos-events attributes

active-template

Description: active-template is a **JSON Block**. Please see below for *active-template*

Type: Object

Refernce Object: */axapi/v3/acos-events/active-template*

collector-group-list

Type: List

Refernce Object: */axapi/v3/acos-events/collector-group/{name}*

local-logging

Description: local-logging is a **JSON Block**. Please see below for *local-logging*

Type: Object

Refernce Object: */axapi/v3/acos-events/local-logging*

log-properties

Description: log-properties is a **JSON Block**. Please see below for *log-properties*

Type: Object

Refernce Object: */axapi/v3/acos-events/log-properties*

log-server-list

Type: List

Refernce Object: */axapi/v3/acos-events/log-server/{name}*

logdb

Description: logdb is a **JSON Block**. Please see below for *logdb*

Type: Object

Refernce Object: */axapi/v3/acos-events/logdb*

message-id-list

Type: List

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}*

message-info

Description: message-info is a **JSON Block**. Please see below for *message-info*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-info*

message-selector-list

Type: List

Refernce Object: */axapi/v3/acos-events/message-selector/{name}*

rate-limit-local

Description: rate-limit-local is a **JSON Block**. Please see below for *rate-limit-local*

Type: Object

Refernce Object: */axapi/v3/acos-events/rate-limit-local*

rate-limit-remote

Description: rate-limit-remote is a **JSON Block**. Please see below for *rate-limit-remote*

Type: Object

Refernce Object: */axapi/v3/acos-events/rate-limit-remote*

statistics

Description: statistics is a **JSON Block**. Please see below for *statistics*

Type: Object

Refernce Object: */axapi/v3/acos-events/statistics*

template-list

Type: List

Refernce Object: */axapi/v3/acos-events/template/{name}*

use-partition

Description: use-partition is a **JSON Block**. Please see below for *use-partition*

Type: Object

Refernce Object: */axapi/v3/acos-events/use-partition*

rate-limit-remote

Specification	
Type	*object*

limit

Description Configure rate limit for logs sent to remote via classic logging config

Type: number

Range: 0-250

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

statistics

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

statistics_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_dropped_malloc_failure': Messages Dropped due to malloc failure; 'msg_dropped_no_template': Messages Dropped, no active template; 'msg_dropped_selector': Messages Dropped, selector does not enable msg; 'msg_dropped_too_long': Messages Dropped, invalid length; 'msg_dropped_other': Messages Dropped, unexpected error;

Type: string

Supported Values: all, msg_sent, msg_sent_logdb, msg_dropped_format_not_defined, msg_dropped_malloc_failure, msg_dropped_no_template, msg_dropped_selector, msg_dropped_too_long, msg_dropped_craft_fail, msg_dropped_local_log_ratelimit, msg_dropped_remote_log_ratelimit, msg_dropped_send_failed, msg_dropped_no_active_member, msg_dropped_route_fail, msg_dropped_other, no_template, msg_dropped_lost_during_config_change, local_enqueue_pass, msg_sent_to_logd, msg_retry_after_socket_fail, msg_sent_direct_syslog, msg_dropped_send_to_logd_fail, msg_dropped_trylock_fail, msg_dropped_remote_cplane_log_ratelimit, msg_dropped_remote_dplane_log_ratelimit, msg_dropped_local_enqueue_failed, msg_dropped_grp_not_used, msg_sent_remote_cplane, msg_dropped_no_template_logd, msg_dropped_lost_during_config_change_logd, msg_dropped_craft_fail_logd, msg_dropped_send_failed_logd, msg_dropped_no_active_member_logd, msg_dropped_other_logd, msg_dropped_invalid_part, acos_evt_test_logs_ticks

use-partition

Specification	
Type	*object*

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-template

Specification	
Type	*object*

name

Description Specify the logging template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logdb

Specification	
Type	*object*

enable-all

Description Enable logging for all widgets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-cgn

Description Enable CGN logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-fw

Description Enable Firewall logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-http-forward-proxy

Description Enable HTTP forward proxy logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-link-cost

Description Enable link-cost logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-mqtt

Description Enable MQTT logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-smtp

Description Enable SMTP logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-ssli

Description Enable SSLi logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-logging

Specification	
Type	*object*

debug-logs

Description Enable debug logs in var log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

delete-old-logs-in-disk

Description Operational command to delete the old logs stored in disk

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable local-logging when FW log servers are down (Default: Not enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-backlog-memory

Description Configure Max memory in MB to be used for processing backlogs (Default: 10MB)

Type: number

Range: 5-500

Default: 10

max-disk-space

Description Configure Max disk space in MB to be used for storing the logs (Default: 100MB)

Type: number

Range: 50-20000

Default: 100

max-memory

Description Configure Max memory in MB to be used for processing the logs (Default: 30MB)

Type: number

Range: 5-500

Default: 30

queue-limit

Description Configure Max number of blocks that can be busy being scheduled (Default: 10, 0 to disable)

Type: number

Range: 0-100

Default: 10

rate-limit

Description Configure number of logs per second to be stored in disk (Default: 1000)

Type: number

Range: 1-60000

Default: 1000

sampling-enable

Type: List

send-if-all-servers-up

Description Start sending the stored logs only when all log servers are up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

string-decode-special-char

Description Enable processing special characters before storing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-logging_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'init-pass': Local logging Init Successful; 'init-fail': Local logging Init Fail; 'freed': Local logging Stopped; 'disk-over-thres': Number of logs Dropped, Disk reached threshold; 'rate-limited': Number of logs Dropped, Rate limited; 'not-inited': Number of logs Dropped, Local logging not inited; 'sent-to-store': Number of logs sent to be

stored; 'sent-to-store-fail': Number of Logs sent to be stored Failed; 'store-fail': Number of logs failed to be stored; 'in-logs': Number of logs successfully stored; 'in-bytes': Number of bytes successfully stored; 'in-logs-backlog': Number of backlogs loaded from disk; 'in-bytes-backlog': Number of backlog bytes loaded from disk; 'in-store-fail-no-space': Number of logs Dropped, failed without disk space; 'in-discard-logs': Number of old logs discarded to fit in new logs; 'in-discard-bytes': Number of old bytes discarded to fit in new logs; 'out-logs': Number of logs sent to log servers; 'out-bytes': Number of bytes sent to log-servers; 'out-error': Number of errors during send; 'remaining-logs': Total number of remaining logs yet to be sent; 'remaining-bytes': Total number of remaining bytes yet to be sent; 'moved-to-delq': Local Logging moved to delq to be deleted; 'out-retry': Number of attempted retries to send logs; 'out-retry-fail': Number of retries failed with error; 'curr-total-chunks': Current Number of blocks; 'curr-mem-chunks': Current blocks in memory; 'curr-fs-chunks': Current blocks in file system; 'curr-fs-chunks-up': Current blocks in file system loaded in memory; 'curr-fs-chunks-down': Current blocks in file system not loaded in memory; 'in-logs-agg': Total Aggregate, Number of logs successfully stored; 'in-bytes-agg': Total Aggregate, Number of bytes successfully stored; 'in-logs-backlog-agg': Total Aggregate, Number of backlogs loaded from disk; 'in-bytes-backlog-agg': Total Aggregate, Number of backlog bytes loaded from disk; 'in-store-fail-no-space-agg': Total Aggregate, Number of logs Dropped, failed without disk space; 'in-discard-logs-agg': Total Aggregate, Number of old logs discarded to fit in new logs; 'in-discard-bytes-agg': Total Aggregate, Number of old bytes discarded to fit in new logs; 'out-logs-agg': Total Aggregate, Number of logs sent to log servers; 'out-bytes-agg': Total Aggregate, Number of bytes sent to log-servers; 'out-error-agg': Total Aggregate, Number of errors during send; 'out-retry-agg': Total Aggregate, Number of attempted retries to send logs; 'out-retry-fail-agg': Total Aggregate, Number of retries failed with error; 'in-logs-curr-agg': Current Aggregate, Number of logs successfully stored; 'in-bytes-curr-agg': Current Aggregate, Number of bytes successfully stored; 'in-logs-backlog-curr-agg': Current Aggregate, Number of backlogs loaded from disk; 'in-bytes-backlog-curr-agg': Current Aggregate, Number of backlog bytes loaded from disk; 'in-discard-logs-curr-agg': Current Aggregate, Number of old logs discarded to fit in new logs; 'in-discard-bytes-curr-agg': Current Aggregate, Number of old bytes discarded to fit in new logs; 'out-logs-curr-agg': Current Aggregate, Number of logs sent to log servers; 'out-bytes-curr-agg': Current Aggregate, Number of bytes sent to log-servers;

Type: string

Supported Values: all, init-pass, init-fail, freed, disk-over-thres, rate-limited, not-inited, sent-to-store, sent-to-store-fail, store-fail, in-logs, in-bytes, in-logs-backlog, in-bytes-backlog, in-store-fail-no-space, in-discard-logs, in-discard-bytes, out-logs, out-bytes, out-error, remaining-logs, remaining-bytes, moved-to-delq, out-retry, out-retry-fail, curr-total-chunks, curr-mem-chunks, curr-fs-chunks, curr-fs-chunks-up, curr-fs-chunks-down, in-logs-agg, in-bytes-agg, in-logs-backlog-agg, in-bytes-backlog-agg, in-store-fail-no-space-agg, in-discard-logs-agg, in-discard-bytes-agg, out-logs-agg, out-bytes-agg, out-error-agg, out-retry-agg, out-retry-fail-agg, in-logs-curr-agg, in-bytes-curr-agg, in-logs-backlog-curr-agg, in-bytes-backlog-curr-agg, in-discard-logs-curr-agg, in-discard-bytes-curr-agg, out-logs-curr-agg, out-bytes-curr-agg

message-id-list

Specification	
Type	*list*
Block object keys	

log-msg

Description Specify log message-id lineage

Type: string

Maximum Length: 512 characters

Maximum Length: 1 characters

message-id-scope-route

Description 'all': Log messages at this level and all sub-trees; 'node-only': Log messages at this node only; 'children-only': Log messages at all sub-trees only; 'log-field-only': This is a log-field (Default);

Type: string

Supported Values: all, node-only, children-only, log-field-only

Default: log-field-only

property

Description: property is a **JSON Block**. Please see below for *message-id-list_property*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-id-list_property

Specification	
Type	*object*

log-route

Description: log-route is a **JSON Block**. Please see below for *message-id-list_property_log-route*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route*

severity

Description: severity is a **JSON Block**. Please see below for *message-id-list_property_severity*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity*

message-id-list_property_log-route

Specification	
Type	*object*

log-route-val

Description 'local-only': send logs to local-only; 'remote-only': send logs to remote-only; 'local-and-remote': send logs to both local and remote;

Type: string

Supported Values: local-only, remote-only, local-and-remote

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-id-list_property_severity

Specification	
Type	*object*

severity-val

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log-properties

Specification	
Type	*object*

add-msgid-in-header

Description Add Message ID in log messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-old-descriptive-name

Description Use the old descriptive name for CEF and LEEF logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-syslog-standard-header

Description Send syslog messages with Standard Header format

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log-server-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this Logging Server; 'disable': Disable this Logging Server;

Type: string

Supported Values: enable, disable

Default: enable

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

host

Description IP Address

Type: string

Format: ipv4-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Type: List

Refernce Object: */axapi/v3/acos-events/log-server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log-server-list_port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log-server-list_port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msgs_sent': Number of log messages sent;

Type: string

Supported Values: all, msgs_sent

log-server-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msgs_sent': Number of log messages sent;

Type: string

Supported Values: all, msgs_sent

rate-limit-local

Specification	
Type	*object*

limit

Description Configure Rate Limit for Local logs

Type: number

Range: 0-100

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector-group-list

Specification	
Type	*list*
Block object keys	

facility

Description 'local0': Local use(Default); 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Facility parameter for syslog messages)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'syslog': syslog is the only format supported at this time;

Type: string

Supported Values: syslog, cef, leef

Default: syslog

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

log-server-list

Type: List

Refernce Object: */axapi/v3/acos-events/collector-group/{name}/log-server/{name}+{port}*

name

Description Specify log server group name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

protocol

Description 'udp': use udp syslog protocol to send messages to log collector; 'tcp': use tcp syslog protocol to send messages to log collector;

Type: string

Supported Values: udp, tcp

rate

Description Specify the log message rate

Type: number

Range: 0-2147483647

Default: 500

sampling-enable

Type: List

use-mgmt-port

Description Use managament port to connect to the log servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector-group-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msgs_sent': Number of log messages sent; 'msgs_rate_limited': Number of rate limted log messages; 'msgs_dropped': Number of messages droppped for other reasons;

Type: string

Supported Values: all, msgs_sent, msgs_rate_limited, msgs_dropped

collector-group-list_log-server-list

Specification	
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/log-server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Refernce Object: */axapi/v3/acos-events/log-server/port*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	
Type	*list*
Block object keys	

message-selector-list

Type: List

Refernce Object: */axapi/v3/acos-events/template/{name}/message-selector/{name}*

name

Description Specify logging template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_message-selector-list

Specification	
Type	*list*
Block object keys	

collector-group-list

Type: List

Refernce Object: */axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group/{name}*

name

Description Specify the message selector name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/message-selector*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_message-selector-list_collector-group-list

Specification	
Type	*list*
Block object keys	

name

Description Specify the log server group for receiving log messages

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/collector-group*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-selector-list

Specification	
Type	*list*
Block object keys	

name

Description Specify message selector name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-list

Type: List

Refernce Object: */axapi/v3/acos-events/message-selector/{name}/rule/{index}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-selector-list_rule-list

Specification	
Type	*list*
Block object keys	

action

Description 'send': log messages selected by this rule will be sent; 'drop': log messages selected by this rule will be dropped;

Type: string

Supported Values: send, drop

Default: send

index

Description Specify rule index - rules are applied in numeric order

Type: number

Range: 1-256

message-id

Description Select a specific message by message-id and optionally severity

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

message-id-scope

Description 'all': Log messages at this level and all sub-trees; 'node-only': Log messages at this node only; 'children-only': Log messages at all sub-trees;

Type: string

Supported Values: all, node-only, children-only, log-field-only

severity-oper

Description 'equal-and-higher': emergency is highest, debugging lowest; 'equal': single severity;

Type: string

Supported Values: equal-and-higher, equal

severity-val

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.2 acos-events active-template

Configure global logging template

active-template Specification

Type	*Configuration Resource*
Element Name	active-template
Element URI	/axapi/v3/acos-events/active-template
Element Attributes	active-template_attributes
Schema	`active-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/active-template

active-template attributes

Get Object

GET

/axapi/v3/acos-events/active-template

active-template attributes

Modify Object

POST

/axapi/v3/acos-events/active-template

active-template attributes

Replace Object

PUT

/axapi/v3/acos-events/active-template

active-template attributes

Delete Object

DELETE

/axapi/v3/acos-events/active-template

active-template attributes

active-template attributes

name

Description Specify the logging template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.3 acos-events collector-group

Configure log servers group

collector-group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*collector-group-list*
Collection URI	/axapi/v3/acos-events/collector-group
Element Name	collector-group
Element URI	/axapi/v3/acos-events/collector-group/{name}
Element Attributes	collector-group_attributes
Statistics Data URI	/axapi/v3/acos-events/collector-group/{name}/stats
Schema	`collector-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/collector-group

collector-group attributes

Create List

POST

/axapi/v3/acos-events/collector-group

collector-group attributes

Get Object

GET

/axapi/v3/acos-events/collector-group/{name}

collector-group attributes

Get List

GET

/axapi/v3/acos-events/collector-group

collector-group-list

Modify Object

POST

/axapi/v3/acos-events/collector-group/{name}

collector-group attributes

Replace Object

PUT

/axapi/v3/acos-events/collector-group/{name}

collector-group attributes

Replace List

PUT

/axapi/v3/acos-events/collector-group

collector-group-list

Delete Object

DELETE

/axapi/v3/acos-events/collector-group/{name}

collector-group attributes

collector-group-list

collector-group-list is **JSON List** of *collector-group attributes*

collector-group-list : [

{ *collector-group attributes* },

{ *collector-group attributes* },

...

]

collector-group attributes

facility

Description 'local0': Local use(Default); 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Facility parameter for syslog messages)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'syslog': syslog is the only format supported at this time;

Type: string

Supported Values: syslog, cef, leef

Default: syslog

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

log-server-list

Type: List

Refernce Object: */axapi/v3/acos-events/collector-group/{name}/log-server/{name}+{port}*

name

Description Specify log server group name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

protocol

Description 'udp': use udp syslog protocol to send messages to log collector; 'tcp': use tcp syslog protocol to send messages to log collector;

Type: string

Supported Values: udp, tcp

rate

Description Specify the log message rate

Type: number

Range: 0-2147483647

Default: 500

sampling-enable

Type: List

use-mgmt-port

Description Use managament port to connect to the log servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msgs_sent': Number of log messages sent; 'msgs_rate_limited': Number of rate limted log messages; 'msgs_dropped': Number of messages droppped for other reasons;

Type: string

Supported Values: all, msgs_sent, msgs_rate_limited, msgs_dropped

log-server-list

Specification	
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/log-server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Refernce Object: */axapi/v3/acos-events/log-server/port*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	msgs_rate_limited	8	Number of rate limted log messages
	msgs_sent	8	Number of log messages sent
	msgs_dropped	8	Number of messages droppped for other reasons

2.5.4 acos-events collector-group log-server

Configure log server DNS Name/ip-address and optional port

log-server Specification

Type	*Collection*
Object Key(s)	*name, port*
Collection Name	*log-server-list*
Collection URI	/axapi/v3/acos-events/collector-group/{name}/log-server
Element Name	log-server
Element URI	/axapi/v3/acos-events/collector-group/{name}/log-server/{name}+{port}
Element Attributes	log-server_attributes
Schema	`log-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/collector-group/{name}/log-server

log-server attributes

Create List

POST

/axapi/v3/acos-events/collector-group/{name}/log-server

log-server attributes

Get Object

GET

/axapi/v3/acos-events/collector-group/{name}/log-server/{name}+{port}

log-server attributes

Get List

GET

/axapi/v3/acos-events/collector-group/{name}/log-server

log-server-list

Modify Object

POST

/axapi/v3/acos-events/collector-group/{name}/log-server/{name}+{port}

log-server attributes

Replace Object

PUT

/axapi/v3/acos-events/collector-group/{name}/log-server/{name}+{port}

log-server attributes

Replace List

PUT

/axapi/v3/acos-events/collector-group/{name}/log-server

log-server-list

Delete Object

DELETE

/axapi/v3/acos-events/collector-group/{name}/log-server/{name}+{port}

log-server attributes

log-server-list

log-server-list is **JSON List** of *log-server attributes*

```
log-server-list : [
        { log-server attributes },
        { log-server attributes },
        ...
    ]
```

log-server attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/log-server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Refernce Object: */axapi/v3/acos-events/log-server/port*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.5 acos-events local-logging

Configure local logging/persistant storage of FW logs

local-logging Specification

Type	*Configuration Resource*
Element Name	local-logging
Element URI	/axapi/v3/acos-events/local-logging
Element Attributes	local-logging_attributes
Statistics Data URI	/axapi/v3/acos-events/local-logging/stats
Schema	`local-logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/local-logging

local-logging attributes

Get Object

GET

/axapi/v3/acos-events/local-logging

local-logging attributes

Modify Object

POST

/axapi/v3/acos-events/local-logging

local-logging attributes

Replace Object

PUT

/axapi/v3/acos-events/local-logging

local-logging attributes

Delete Object

DELETE

/axapi/v3/acos-events/local-logging

local-logging attributes

local-logging attributes

debug-logs

Description Enable debug logs in var log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

delete-old-logs-in-disk

Description Operational command to delete the old logs stored in disk

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable local-logging when FW log servers are down (Default: Not enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-backlog-memory

Description Configure Max memory in MB to be used for processing backlogs (Default: 10MB)

Type: number

Range: 5-500

Default: 10

max-disk-space

Description Configure Max disk space in MB to be used for storing the logs (Default: 100MB)

Type: number

Range: 50-20000

Default: 100

max-memory

Description Configure Max memory in MB to be used for processing the logs (Default: 30MB)

Type: number

Range: 5-500

Default: 30

queue-limit

Description Configure Max number of blocks that can be busy being scheduled (Default: 10, 0 to disable)

Type: number

Range: 0-100

Default: 10

rate-limit

Description Configure number of logs per second to be stored in disk (Default: 1000)

Type: number

Range: 1-60000

Default: 1000

sampling-enable

Type: List

send-if-all-servers-up

Description Start sending the stored logs only when all log servers are up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

string-decode-special-char

Description Enable processing special characters before storing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'init-pass': Local logging Init Successful; 'init-fail': Local logging Init Fail; 'freed': Local logging Stopped; 'disk-over-thres': Number of logs Dropped, Disk reached threshold; 'rate-limited': Number of logs Dropped, Rate limited; 'not-inited': Number of logs Dropped, Local logging not inited; 'sent-to-store': Number of logs sent to be stored; 'sent-to-store-fail': Number of Logs sent to be stored Failed; 'store-fail': Number of logs failed to be stored; 'in-logs': Number of logs successfully stored; 'in-bytes': Number of bytes successfully stored; 'in-logs-backlog': Number of backlogs loaded from disk; 'in-bytes-backlog': Number of backlog bytes loaded from disk; 'in-store-fail-no-space': Number

of logs Dropped, failed without disk space; 'in-discard-logs': Number of old logs discarded to fit in new logs; 'in-discard-bytes': Number of old bytes discarded to fit in new logs; 'out-logs': Number of logs sent to log servers; 'out-bytes': Number of bytes sent to log-servers; 'out-error': Number of errors during send; 'remaining-logs': Total number of remaining logs yet to be sent; 'remaining-bytes': Total number of remaining bytes yet to be sent; 'moved-to-delq': Local Logging moved to delq to be deleted; 'out-retry': Number of attempted retries to send logs; 'out-retry-fail': Number of retries failed with error; 'curr-total-chunks': Current Number of blocks; 'curr-mem-chunks': Current blocks in memory; 'curr-fs-chunks': Current blocks in file system; 'curr-fs-chunks-up': Current blocks in file system loaded in memory; 'curr-fs-chunks-down': Current blocks in file system not loaded in memory; 'in-logs-agg': Total Aggregate, Number of logs successfully stored; 'in-bytes-agg': Total Aggregate, Number of bytes successfully stored; 'in-logs-backlog-agg': Total Aggregate, Number of backlogs loaded from disk; 'in-bytes-backlog-agg': Total Aggregate, Number of backlog bytes loaded from disk; 'in-store-fail-no-space-agg': Total Aggregate, Number of logs Dropped, failed without disk space; 'in-discard-logs-agg': Total Aggregate, Number of old logs discarded to fit in new logs; 'in-discard-bytes-agg': Total Aggregate, Number of old bytes discarded to fit in new logs; 'out-logs-agg': Total Aggregate, Number of logs sent to log servers; 'out-bytes-agg': Total Aggregate, Number of bytes sent to log-servers; 'out-error-agg': Total Aggregate, Number of errors during send; 'out-retry-agg': Total Aggregate, Number of attempted retries to send logs; 'out-retry-fail-agg': Total Aggregate, Number of retries failed with error; 'in-logs-curr-agg': Current Aggregate, Number of logs successfully stored; 'in-bytes-curr-agg': Current Aggregate, Number of bytes successfully stored; 'in-logs-backlog-curr-agg': Current Aggregate, Number of backlogs loaded from disk; 'in-bytes-backlog-curr-agg': Current Aggregate, Number of backlog bytes loaded from disk; 'in-discard-logs-curr-agg': Current Aggregate, Number of old logs discarded to fit in new logs; 'in-discard-bytes-curr-agg': Current Aggregate, Number of old bytes discarded to fit in new logs; 'out-logs-curr-agg': Current Aggregate, Number of logs sent to log servers; 'out-bytes-curr-agg': Current Aggregate, Number of bytes sent to log-servers;

Type: string

Supported Values: all, init-pass, init-fail, freed, disk-over-thres, rate-limited, not-inited, sent-to-store, sent-to-store-fail, store-fail, in-logs, in-bytes, in-logs-backlog, in-bytes-backlog, in-store-fail-no-space, in-discard-logs, in-discard-bytes, out-logs, out-bytes, out-error, remaining-logs, remaining-bytes, moved-to-delq, out-retry, out-retry-fail, curr-total-chunks, curr-mem-chunks, curr-fs-chunks, curr-fs-chunks-up, curr-fs-chunks-down, in-logs-agg, in-bytes-agg, in-logs-backlog-agg, in-bytes-backlog-agg, in-store-fail-no-space-agg, in-discard-logs-agg, in-discard-bytes-agg, out-logs-agg, out-bytes-agg, out-error-agg, out-retry-agg, out-retry-fail-agg, in-logs-curr-agg, in-bytes-curr-agg, in-logs-backlog-curr-agg, in-bytes-backlog-curr-agg, in-discard-logs-curr-agg, in-discard-bytes-curr-agg, out-logs-curr-agg, out-bytes-curr-agg

stats data

	Counter	Size	Description
	out-logs	8	Number of logs sent to log servers
	out-error	8	Number of errors during send
	store-fail	8	Number of logs failed to be stored
	in-discard-logs	8	Number of old logs discarded to fit in new logs
	in-discard-bytes	8	Number of old bytes discarded to fit in new logs
	in-logs-backlog	8	Number of backlogs loaded from disk
	in-bytes	8	Number of bytes successfully stored
	init-pass	8	Local logging Init Successful
	sent-to-store-fail	8	Number of Logs sent to be stored Failed
	out-bytes	8	Number of bytes sent to log-servers
	remaining-bytes	8	Total number of remaining bytes yet to be sent
	remaining-logs	8	Total number of remaining logs yet to be sent
	in-store-fail-no-space	8	Number of logs Dropped, failed without disk space
	in-logs	8	Number of logs successfully stored
	rate-limited	8	Number of logs Dropped, Rate limited
	sent-to-store	8	Number of logs sent to be stored
	not-inited	8	Number of logs Dropped, Local logging not inited
	disk-over-thres	8	Number of logs Dropped, Disk reached threshold
	in-bytes-backlog	8	Number of backlog bytes loaded from disk
	init-fail	8	Local logging Init Fail
	freed	8	Local logging Stopped

2.5.6 acos-events log-properties

Configure Logging related properties

log-properties Specification

Type	*Configuration Resource*
Element Name	log-properties
Element URI	/axapi/v3/acos-events/log-properties
Element Attributes	log-properties_attributes
Schema	`log-properties schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/log-properties

log-properties attributes

Get Object

GET

/axapi/v3/acos-events/log-properties

log-properties attributes

Modify Object

POST

/axapi/v3/acos-events/log-properties

log-properties attributes

Replace Object

PUT

/axapi/v3/acos-events/log-properties

log-properties attributes

Delete Object

DELETE

/axapi/v3/acos-events/log-properties

log-properties attributes

log-properties attributes

add-msgid-in-header

Description Add Message ID in log messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-old-descriptive-name

Description Use the old descriptive name for CEF and LEEF logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-syslog-standard-header

Description Send syslog messages with Standard Header format

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.7 acos-events log-server

Acos logging Server

log-server Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*log-server-list*
Collection URI	/axapi/v3/acos-events/log-server
Element Name	log-server
Element URI	/axapi/v3/acos-events/log-server/{name}
Element Attributes	log-server_attributes
Statistics Data URI	/axapi/v3/acos-events/log-server/{name}/stats
Schema	`log-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/log-server

log-server attributes

Create List

POST

/axapi/v3/acos-events/log-server

log-server attributes

Get Object

GET

/axapi/v3/acos-events/log-server/{name}

log-server attributes

Get List

GET

/axapi/v3/acos-events/log-server

log-server-list

Modify Object

POST

/axapi/v3/acos-events/log-server/{name}

log-server attributes

Replace Object

PUT

/axapi/v3/acos-events/log-server/{name}

log-server attributes

Replace List

PUT

/axapi/v3/acos-events/log-server

log-server-list

Delete Object

DELETE

/axapi/v3/acos-events/log-server/{name}

log-server attributes

log-server-list

log-server-list is **JSON List** of *log-server attributes*

```
log-server-list : [
        { log-server attributes },
        { log-server attributes },
        ...
    ]
```

log-server attributes

action

Description 'enable': Enable this Logging Server; 'disable': Disable this Logging Server;

Type: string

Supported Values: enable, disable

Default: enable

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

host

Description IP Address

Type: string

Format: ipv4-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Type: List

Refernce Object: */axapi/v3/acos-events/log-server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msgs_sent': Number of log messages sent;

Type: string

Supported Values: all, msgs_sent

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msgs_sent': Number of log messages sent;

Type: string

Supported Values: all, msgs_sent

stats data

	Counter	Size	Description
	msgs_sent	8	Number of log messages sent

2.5.8 acos-events log-server port

Logging Server Port

port Specification

Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/acos-events/log-server/{name}/port
Element Name	port
Element URI	/axapi/v3/acos-events/log-server/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Statistics Data URI	/axapi/v3/acos-events/log-server/{name}/port/{port-number}+{protocol}/stats
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/log-server/{name}/port

port attributes

Create List

POST

/axapi/v3/acos-events/log-server/{name}/port

port attributes

Get Object

GET

/axapi/v3/acos-events/log-server/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/acos-events/log-server/{name}/port

port-list

Modify Object

POST

/axapi/v3/acos-events/log-server/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/acos-events/log-server/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/acos-events/log-server/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/acos-events/log-server/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msgs_sent': Number of log messages sent;

Type: string

Supported Values: all, msgs_sent

stats data

	Counter	Size	Description
	msgs_sent	8	Number of log messages sent

2.5.9 acos-events logdb

Configure global logging template

logdb Specification

Type	*Configuration Resource*
Element Name	logdb
Element URI	/axapi/v3/acos-events/logdb
Element Attributes	logdb_attributes
Schema	`logdb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/logdb

logdb attributes

Get Object

GET

/axapi/v3/acos-events/logdb

logdb attributes

Modify Object

POST

/axapi/v3/acos-events/logdb

logdb attributes

Replace Object

PUT

/axapi/v3/acos-events/logdb

logdb attributes

Delete Object

DELETE

/axapi/v3/acos-events/logdb

logdb attributes

logdb attributes

enable-all

Description Enable logging for all widgets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-cgn

Description Enable CGN logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-fw

Description Enable Firewall logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-http-forward-proxy

Description Enable HTTP forward proxy logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-link-cost

Description Enable link-cost logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-mqtt

Description Enable MQTT logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-smtp

Description Enable SMTP logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-ssli

Description Enable SSLi logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.10 acos-events message-id

Configure log message

message-id Specification

Type	*Collection*
Object Key(s)	*log-msg, message-id-scope-route*
Collection Name	*message-id-list*
Collection URI	/axapi/v3/acos-events/message-id
Element Name	message-id
Element URI	/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}
Element Attributes	message-id_attributes
Schema	`message-id schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/message-id

message-id attributes

Create List

POST

/axapi/v3/acos-events/message-id

message-id attributes

Get Object

GET

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}

message-id attributes

Get List

GET

/axapi/v3/acos-events/message-id

message-id-list

Modify Object

POST

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}

message-id attributes

Replace Object

PUT

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}

message-id attributes

Replace List

PUT

/axapi/v3/acos-events/message-id

message-id-list

Delete Object

DELETE

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}

message-id attributes

message-id-list

message-id-list is **JSON List** of *message-id attributes*

```
message-id-list : [
        { message-id attributes },
        { message-id attributes },
        ...
    ]
```

message-id attributes

log-msg

Description Specify log message-id lineage

Type: string

Maximum Length: 512 characters

Maximum Length: 1 characters

message-id-scope-route

Description 'all': Log messages at this level and all sub-trees; 'node-only': Log messages at this node only; 'children-only': Log messages at all sub-trees only; 'log-field-only': This is a log-field (Default);

Type: string

Supported Values: all, node-only, children-only, log-field-only

Default: log-field-only

property

Description: property is a **JSON Block**. Please see below for *property*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

property

Specification	
Type	*object*

log-route

Description: log-route is a **JSON Block**. Please see below for *property_log-route*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route*

severity

Description: severity is a **JSON Block**. Please see below for *property_severity*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity*

property_log-route

Specification	
Type	*object*

log-route-val

Description 'local-only': send logs to local-only; 'remote-only': send logs to remote-only; 'local-and-remote': send logs to both local and remote;

Type: string

Supported Values: local-only, remote-only, local-and-remote

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

property_severity

Specification	
Type	*object*

severity-val

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.11 acos-events message-id property

Configure log message(list) properties

property Specification

Type	*Intermediate Resource*
Element Name	property
Element URI	/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property
Element Attributes	property_attributes
Schema	`property schema`

Operations Allowed:

Get Object

GET

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property

property_attributes

property attributes

log-route

Description: log-route is a **JSON Block**. Please see below for *log-route*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route*

severity

Description: severity is a **JSON Block**. Please see below for *severity*

Type: Object

Refernce Object: */axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity*

log-route

Specification	
Type	*object*

log-route-val

Description 'local-only': send logs to local-only; 'remote-only': send logs to remote-only; 'local-and-remote': send logs to both local and remote;

Type: string

Supported Values: local-only, remote-only, local-and-remote

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

severity

Specification	
Type	*object*

severity-val

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.12 acos-events message-id property log-route

Configure Log route of log message(s)

log-route Specification

Type	*Configuration Resource*
Element Name	log-route
Element URI	/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route
Element Attributes	log-route_attributes
Schema	`log-route schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route

log-route attributes

Get Object

GET

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route

log-route attributes

Modify Object

POST

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route

log-route attributes

Replace Object

PUT

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route

log-route attributes

Delete Object

DELETE

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/log-route

log-route attributes

log-route attributes

log-route-val

Description 'local-only': send logs to local-only; 'remote-only': send logs to remote-only; 'local-and-remote': send logs to both local and remote;

Type: string

Supported Values: local-only, remote-only, local-and-remote

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.13 acos-events message-id property severity

Configure Serverity of log message(s)

severity Specification

Type	*Configuration Resource*
Element Name	severity
Element URI	/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity
Element Attributes	severity_attributes
Schema	`severity schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity

severity attributes

Get Object

GET

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity

severity attributes

Modify Object

POST

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity

severity attributes

Replace Object

PUT

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity

severity attributes

Delete Object

DELETE

/axapi/v3/acos-events/message-id/{log-msg}+{message-id-scope-route}/property/severity

severity attributes

severity attributes

severity-val

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.14 acos-events message-info

Get information about log message

message-info Specification

Type	*Configuration Resource*
Element Name	message-info
Element URI	/axapi/v3/acos-events/message-info
Element Attributes	message-info_attributes
Operational Data URI	/axapi/v3/acos-events/message-info/oper
Schema	`message-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/message-info

message-info attributes

Get Object

GET

/axapi/v3/acos-events/message-info

message-info attributes

Modify Object

POST

/axapi/v3/acos-events/message-info

message-info attributes

Replace Object

PUT

/axapi/v3/acos-events/message-info

message-info attributes

Delete Object

DELETE

/axapi/v3/acos-events/message-info

message-info attributes

message-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	msg-info-list		msg-info-list

2.5.15 acos-events message-selector

Configure message selector to select messages to be logged/blocked

message-selector Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*message-selector-list*
Collection URI	/axapi/v3/acos-events/message-selector
Element Name	message-selector
Element URI	/axapi/v3/acos-events/message-selector/{name}
Element Attributes	message-selector_attributes
Schema	`message-selector schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/message-selector

message-selector attributes

Create List

POST

/axapi/v3/acos-events/message-selector

message-selector attributes

Get Object

GET

/axapi/v3/acos-events/message-selector/{name}

message-selector attributes

Get List

GET

/axapi/v3/acos-events/message-selector

message-selector-list

Modify Object

POST

/axapi/v3/acos-events/message-selector/{name}

message-selector attributes

Replace Object

PUT

/axapi/v3/acos-events/message-selector/{name}

message-selector attributes

Replace List

PUT

/axapi/v3/acos-events/message-selector

message-selector-list

Delete Object

DELETE

/axapi/v3/acos-events/message-selector/{name}

message-selector attributes

message-selector-list

message-selector-list is **JSON List** of *message-selector attributes*

message-selector-list : [

{ *message-selector attributes* },

{ *message-selector attributes* },

...

]

message-selector attributes

name

Description Specify message selector name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-list

Type: List

Refernce Object: */axapi/v3/acos-events/message-selector/{name}/rule/{index}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-list

Specification	
Type	*list*
Block object keys	

action

Description 'send': log messages selected by this rule will be sent; 'drop': log messages selected by this rule will be dropped;

Type: string

Supported Values: send, drop

Default: send

index

Description Specify rule index - rules are applied in numeric order

Type: number

Range: 1-256

message-id

Description Select a specific message by message-id and optionally severity

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

message-id-scope

Description 'all': Log messages at this level and all sub-trees; 'node-only': Log messages at this node only; 'children-only': Log messages at all sub-trees;

Type: string

Supported Values: all, node-only, children-only, log-field-only

severity-oper

Description 'equal-and-higher': emergency is highest, debugging lowest; 'equal': single severity;

Type: string

Supported Values: equal-and-higher, equal

severity-val

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.16 acos-events message-selector rule

Configure rules to select messages for which logging is enabled/blocked

rule Specification

Type	*Collection*
Object Key(s)	*index*
Collection Name	*rule-list*
Collection URI	/axapi/v3/acos-events/message-selector/{name}/rule
Element Name	rule
Element URI	/axapi/v3/acos-events/message-selector/{name}/rule/{index}
Element Attributes	rule_attributes
Schema	`rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/message-selector/{name}/rule

rule attributes

Create List

POST

/axapi/v3/acos-events/message-selector/{name}/rule

rule attributes

Get Object

GET

/axapi/v3/acos-events/message-selector/{name}/rule/{index}

rule attributes

Get List

GET

/axapi/v3/acos-events/message-selector/{name}/rule

rule-list

Modify Object

POST

/axapi/v3/acos-events/message-selector/{name}/rule/{index}

rule attributes

Replace Object

PUT

/axapi/v3/acos-events/message-selector/{name}/rule/{index}

rule attributes

Replace List

PUT

/axapi/v3/acos-events/message-selector/{name}/rule

rule-list

Delete Object

DELETE

/axapi/v3/acos-events/message-selector/{name}/rule/{index}

rule attributes

rule-list

rule-list is **JSON List** of *rule attributes*

rule-list : [

{ *rule attributes* },

{ *rule attributes* },

...

]

rule attributes

action

Description 'send': log messages selected by this rule will be sent; 'drop': log messages selected by this rule will be dropped;

Type: string

Supported Values: send, drop

Default: send

index

Description Specify rule index - rules are applied in numeric order

Type: number

Range: 1-256

message-id

Description Select a specific message by message-id and optionally severity

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

message-id-scope

Description 'all': Log messages at this level and all sub-trees; 'node-only': Log messages at this node only; 'children-only': Log messages at all sub-trees;

Type: string

Supported Values: all, node-only, children-only, log-field-only

severity-oper

Description 'equal-and-higher': emergency is highest, debugging lowest; 'equal': single severity;

Type: string

Supported Values: equal-and-higher, equal

severity-val

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.17 acos-events rate-limit-local

Configure Rate Limit for Local logs

rate-limit-local Specification

Type	*Configuration Resource*
Element Name	rate-limit-local
Element URI	/axapi/v3/acos-events/rate-limit-local
Element Attributes	rate-limit-local_attributes
Schema	`rate-limit-local schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/rate-limit-local

rate-limit-local attributes

Get Object

GET

/axapi/v3/acos-events/rate-limit-local

rate-limit-local attributes

Modify Object

POST

/axapi/v3/acos-events/rate-limit-local

rate-limit-local attributes

Replace Object

PUT

/axapi/v3/acos-events/rate-limit-local

rate-limit-local attributes

Delete Object

DELETE

/axapi/v3/acos-events/rate-limit-local

rate-limit-local attributes

rate-limit-local attributes

limit

Description Configure Rate Limit for Local logs

Type: number

Range: 0-100

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.18 acos-events rate-limit-remote

Configure rate limit for logs sent to remote via classic logging config

rate-limit-remote Specification

Type	*Configuration Resource*
Element Name	rate-limit-remote
Element URI	/axapi/v3/acos-events/rate-limit-remote
Element Attributes	rate-limit-remote_attributes
Schema	`rate-limit-remote schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/rate-limit-remote

rate-limit-remote attributes

Get Object

GET

/axapi/v3/acos-events/rate-limit-remote

rate-limit-remote attributes

Modify Object

POST

/axapi/v3/acos-events/rate-limit-remote

rate-limit-remote attributes

Replace Object

PUT

/axapi/v3/acos-events/rate-limit-remote

rate-limit-remote attributes

Delete Object

DELETE

/axapi/v3/acos-events/rate-limit-remote

rate-limit-remote attributes

rate-limit-remote attributes

limit

Description Configure rate limit for logs sent to remote via classic logging config

Type: number

Range: 0-250

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.19 acos-events statistics

acos events global statistics

statistics Specification

Type	*Configuration Resource*
Element Name	statistics
Element URI	/axapi/v3/acos-events/statistics
Element Attributes	statistics_attributes
Statistics Data URI	/axapi/v3/acos-events/statistics/stats
Schema	`statistics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/statistics

statistics attributes

Get Object

GET

/axapi/v3/acos-events/statistics

statistics attributes

Modify Object

POST

/axapi/v3/acos-events/statistics

statistics attributes

Replace Object

PUT

/axapi/v3/acos-events/statistics

statistics attributes

Delete Object

DELETE

/axapi/v3/acos-events/statistics

statistics attributes

statistics attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_dropped_malloc_failure': Messages Dropped due to malloc failure; 'msg_dropped_no_template': Messages Dropped, no active template; 'msg_dropped_selector': Messages Dropped, selector does not enable msg; 'msg_dropped_too_long': Messages Dropped, invalid length; 'msg_dropped_other': Messages Dropped, unexpected error;

Type: string

Supported Values: all, msg_sent, msg_sent_logdb, msg_dropped_format_not_defined, msg_dropped_malloc_failure, msg_dropped_no_template, msg_dropped_selector, msg_dropped_too_long, msg_dropped_craft_fail, msg_dropped_local_log_ratelimit, msg_dropped_remote_log_ratelimit, msg_dropped_send_failed, msg_dropped_no_active_member, msg_dropped_route_fail, msg_dropped_other, no_template, msg_dropped_lost_during_config_change, local_enqueue_pass, msg_sent_to_logd, msg_retry_after_socket_fail, msg_sent_direct_syslog, msg_dropped_send_to_logd_fail, msg_dropped_trylock_fail, msg_dropped_remote_cplane_log_ratelimit, msg_dropped_remote_dplane_log_ratelimit, msg_dropped_local_enqueue_failed, msg_dropped_grp_not_used, msg_sent_remote_cplane, msg_dropped_no_template_logd, msg_dropped_lost_during_config_change_logd, msg_dropped_craft_fail_logd, msg_dropped_send_failed_logd, msg_dropped_no_active_member_logd, msg_dropped_other_logd, msg_dropped_invalid_part, acos_evt_test_logs_ticks

stats data

	Counter	Size	Description
	msg_dropped_send_failed	8	Messages Dropped, send failed
	msg_dropped_local_log_ratelimit	8	Messages Dropped, local log ratelimited
	msg_dropped_no_template	8	Messages Dropped, no active template
	msg_dropped_craft_fail	8	Messages Dropped, msg crafting failed
	msg_dropped_other	8	Messages Dropped, unexpected error
	msg_dropped_remote_log_ratelimit	8	Messages Dropped, remote log ratelimited
	msg_sent	8	Messages sent, to Remote
	msg_sent_logdb	8	Messages sent, to LogDB
	msg_dropped_selector	8	Messages Dropped, selector does not enable msg
	msg_dropped_route_fail	8	Messages Dropped, Route lookup failed
	msg_dropped_too_long	8	Messages Dropped, invalid length
	msg_dropped_malloc_failure	8	Messages Dropped due to malloc failure
	msg_dropped_no_active_member	8	Messages Dropped, no active member in collector grp
	msg_dropped_format_not_defined	8	Messages Dropped, format not defined

2.5.20 acos-events template

Configure logging template

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/acos-events/template
Element Name	template
Element URI	/axapi/v3/acos-events/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/template

template attributes

Create List

POST

/axapi/v3/acos-events/template

template attributes

Get Object

GET

/axapi/v3/acos-events/template/{name}

template attributes

Get List

GET

/axapi/v3/acos-events/template

template-list

Modify Object

POST

/axapi/v3/acos-events/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/acos-events/template/{name}

template attributes

Replace List

PUT

/axapi/v3/acos-events/template

template-list

Delete Object

DELETE

/axapi/v3/acos-events/template/{name}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

message-selector-list

Type: List

Refernce Object: */axapi/v3/acos-events/template/{name}/message-selector/{name}*

name

Description Specify logging template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-selector-list

Specification	
Type	*list*
Block object keys	

collector-group-list

Type: List

Refernce Object: */axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group/{name}*

name

Description Specify the message selector name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/message-selector*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-selector-list_collector-group-list

Specification	
Type	*list*
Block object keys	

name

Description Specify the log server group for receiving log messages

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/collector-group*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.21 acos-events template message-selector

Specify the message selector

message-selector Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*message-selector-list*
Collection URI	/axapi/v3/acos-events/template/{name}/message-selector
Element Name	message-selector
Element URI	/axapi/v3/acos-events/template/{name}/message-selector/{name}
Element Attributes	message-selector_attributes
Schema	`message-selector schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/template/{name}/message-selector

message-selector attributes

Create List

POST

/axapi/v3/acos-events/template/{name}/message-selector

message-selector attributes

Get Object

GET

/axapi/v3/acos-events/template/{name}/message-selector/{name}

message-selector attributes

Get List

GET

/axapi/v3/acos-events/template/{name}/message-selector

message-selector-list

Modify Object

POST

/axapi/v3/acos-events/template/{name}/message-selector/{name}

message-selector attributes

Replace Object

PUT

/axapi/v3/acos-events/template/{name}/message-selector/{name}

message-selector attributes

Replace List

PUT

/axapi/v3/acos-events/template/{name}/message-selector

message-selector-list

Delete Object

DELETE

/axapi/v3/acos-events/template/{name}/message-selector/{name}

message-selector attributes

message-selector-list

message-selector-list is **JSON List** of *message-selector attributes*

```
message-selector-list : [
        { message-selector attributes },
        { message-selector attributes },
        ...
    ]
```

message-selector attributes

collector-group-list

Type: List

Refernce Object: */axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group/{name}*

name

Description Specify the message selector name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/message-selector*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector-group-list

Specification	
Type	*list*
Block object keys	

name

Description Specify the log server group for receiving log messages

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/collector-group*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.22 acos-events template message-selector collector-group

Specify the log server group for receiving log messages

collector-group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*collector-group-list*
Collection URI	/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group
Element Name	collector-group
Element URI	/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group/{name}
Element Attributes	collector-group_attributes
Schema	`collector-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group

collector-group attributes

Create List

POST

/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group

collector-group attributes

Get Object

GET

/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group/{name}

collector-group attributes

Get List

GET

/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group

collector-group-list

Modify Object

POST

/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group/{name}

collector-group attributes

Replace Object

PUT

/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group/{name}

collector-group attributes

Replace List

PUT

/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group

collector-group-list

Delete Object

DELETE

/axapi/v3/acos-events/template/{name}/message-selector/{name}/collector-group/{name}

collector-group attributes

collector-group-list

collector-group-list is **JSON List** of *collector-group attributes*

```
collector-group-list : [
        { collector-group attributes },
        { collector-group attributes },
        ...
    ]
```

collector-group attributes

name

Description Specify the log server group for receiving log messages

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/acos-events/collector-group*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.5.23 acos-events use-partition

Configure Partition for Logging

use-partition Specification

Type	*Configuration Resource*
Element Name	use-partition
Element URI	/axapi/v3/acos-events/use-partition
Element Attributes	use-partition_attributes
Schema	`use-partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/acos-events/use-partition

use-partition attributes

Get Object

GET

/axapi/v3/acos-events/use-partition

use-partition attributes

Modify Object

POST

/axapi/v3/acos-events/use-partition

use-partition attributes

Replace Object

PUT

/axapi/v3/acos-events/use-partition

use-partition attributes

Delete Object

DELETE

/axapi/v3/acos-events/use-partition

use-partition attributes

use-partition attributes

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.6 admin

Objects:

2.6.1 admin

System admin user configuration

admin Specification

Type	*Collection*
Object Key(s)	*user*
Collection Name	*admin-list*
Collection URI	/axapi/v3/admin
Element Name	admin
Element URI	/axapi/v3/admin/{user}
Element Attributes	admin_attributes
Schema	`admin schema`

Operations Allowed:

Create Object

POST

/axapi/v3/admin

admin attributes

Create List

POST

/axapi/v3/admin

admin attributes

Get Object

GET

/axapi/v3/admin/{user}

admin attributes

Get List

GET

/axapi/v3/admin

admin-list

Modify Object

POST

/axapi/v3/admin/{user}

admin attributes

Replace Object

PUT

/axapi/v3/admin/{user}

admin attributes

Replace List

PUT

/axapi/v3/admin

admin-list

Delete Object

DELETE

/axapi/v3/admin/{user}

admin attributes

admin-list

admin-list is **JSON List** of *admin attributes*

admin-list : [

{ *admin attributes* },

{ *admin attributes* },

...

]

admin attributes

access

Description: access is a **JSON Block**. Please see below for *access*

Type: Object

Refernce Object: */axapi/v3/admin/{user}/access*

access-list

Description Specify an ACL to classify a trusted host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: access-list and trusted-host-cidr are mutually exclusive

action

Description 'enable': Enable user; 'disable': Disable user;

Type: string

Supported Values: enable, disable

Default: enable

aws-accesskey

Description: aws-accesskey is a **JSON Block**. Please see below for *aws-accesskey*

Type: Object

Refernce Object: */axapi/v3/admin/{user}/aws-accesskey*

azure-cred

Description: azure-cred is a **JSON Block**. Please see below for *azure-cred*

Type: Object

Refernce Object: */axapi/v3/admin/{user}/azure-cred*

encrypted

Description Specify an ENCRYPTED password string (System admin user password)

passwd-string

Description Config admin user password

Type: string

Format: password

password

Description: password is a **JSON Block**. Please see below for *password*

Type: Object

Refernce Object: */axapi/v3/admin/{user}/password*

password-key

Description Config admin user password

Type: boolean

Supported Values: true, false, 1, 0

privilege-global

Description 'read': Set read privilege; 'write': Set write privilege;

Type: string

Supported Values: read, write, hm

privilege-list

Type: List

privilege-shell

Description Set shell privilege

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

privilege-shell-root

Description Set shell root privilege

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssh-pubkey

Description: ssh-pubkey is a **JSON Block**. Please see below for *ssh-pubkey*

Type: Object

Refernce Object: */axapi/v3/admin/{user}/ssh-pubkey*

trusted-host

Description Set trusted network administrator can login in

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trusted-host-acl-id

Description ACL ID

Type: number

Range: 1-99

trusted-host-cidr

Description Trusted IP Address with network mask

Type: string

Format: ipv4-cidr

Mutual Exclusion: trusted-host-cidr and access-list are mutually exclusive

user

Description System admin user name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

azure-cred

Specification	
Type	*object*

delete

Description Delete an authorized Azure credentials

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-url

Description File URL

Type: string

Format: url

import

Description Import an azure-credentials

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show

Description Show authorized azure credentials

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

privilege-list

Specification	
Type	*list*
Block object keys	

partition-name

Description Partition Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

privilege-partition

Description 'partition-enable-disable': Set per-partition enable/disable privilege; 'partition-read': Set per-partition read privilege; 'partition-write': Set per-partition write privilege;

Type: string

Supported Values: partition-enable-disable, partition-read, partition-write

aws-accesskey

Specification	
Type	*object*

delete

Description Delete an authorized aws accesskey

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-url

Description File URL

Type: string

Format: url

import

Description Import an aws-accesskey

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show

Description Show authorized aws accesskey

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

access

Specification	
Type	*object*

access-type

Description

Type: string

Format: enum-list

Default: axapi,cli,web

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssh-pubkey

Specification	
Type	*object*

delete

Description Delete an authorized public key (SSH key index)

Type: number

Range: 1-1000000

file-url

Description File URL

Type: string

Format: url

import

Description Import an authorized public key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

list

Description List all authorized public keys

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Specification	
Type	*object*

encrypted-in-module

Description Specify an ENCRYPTED password string (System admin user password)

password-in-module

Description Config admin user password

Type: string

Format: password

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.6.2 admin access

Config access type

access Specification

Type	*Configuration Resource*
Element Name	access
Element URI	/axapi/v3/admin/{user}/access
Element Attributes	access_attributes
Schema	`access schema`

Operations Allowed:

Create Object

POST

/axapi/v3/admin/{user}/access

access attributes

Get Object

GET

/axapi/v3/admin/{user}/access

access attributes

Modify Object

POST

/axapi/v3/admin/{user}/access

access attributes

Replace Object

PUT

/axapi/v3/admin/{user}/access

access attributes

Delete Object

DELETE

/axapi/v3/admin/{user}/access

access attributes

access attributes

access-type

Description

Type: string

Format: enum-list

Default: axapi,cli,web

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.6.3 admin password

Config admin user password

password Specification

Type	*Configuration Resource*
Element Name	password
Element URI	/axapi/v3/admin/{user}/password
Element Attributes	password_attributes
Schema	`password schema`

Operations Allowed:

Create Object

POST

/axapi/v3/admin/{user}/password

password attributes

Get Object

GET

/axapi/v3/admin/{user}/password

password attributes

Modify Object

POST

/axapi/v3/admin/{user}/password

password attributes

Replace Object

PUT

/axapi/v3/admin/{user}/password

password attributes

Delete Object

DELETE

/axapi/v3/admin/{user}/password

password attributes

password attributes

encrypted-in-module

Description Specify an ENCRYPTED password string (System admin user password)

password-in-module

Description Config admin user password

Type: string

Format: password

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.7 admin-lockout

Objects:

2.7.1 admin-lockout

Admin user lockout configuration

admin-lockout Specification

Type	*Configuration Resource*
Element Name	admin-lockout
Element URI	/axapi/v3/admin-lockout
Element Attributes	admin-lockout_attributes
Schema	`admin-lockout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/admin-lockout

admin-lockout attributes

Get Object

GET

/axapi/v3/admin-lockout

admin-lockout attributes

Modify Object

POST

/axapi/v3/admin-lockout

admin-lockout attributes

Replace Object

PUT

/axapi/v3/admin-lockout

admin-lockout attributes

Delete Object

DELETE

/axapi/v3/admin-lockout

admin-lockout attributes

admin-lockout attributes

duration

Description Admin user lockout duration, in minutes, by default 10 (Admin user lockout duration in minutes, 0 means forever)

Type: number

Range: 0-1440

Default: 10

enable

Description Enable admin user lockout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-time

Description After how long to reset the lockout counter, in minutes, by default 10 (Time in minutes after which to reset the lockout counter)

Type: number

Range: 1-1440

Default: 10

threshold

Description Admin user lockout threshold, by default 5

Type: number

Range: 1-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.8 allow-slb-cfg

Objects:

2.8.1 allow-slb-cfg

allow-slb-cfg Specification

Type	*Configuration Resource*
Element Name	allow-slb-cfg
Element URI	/axapi/v3/allow-slb-cfg
Element Attributes	allow-slb-cfg_attributes
Schema	`allow-slb-cfg schema`

Operations Allowed:

Create Object

POST

/axapi/v3/allow-slb-cfg

allow-slb-cfg attributes

Get Object

GET

/axapi/v3/allow-slb-cfg

allow-slb-cfg attributes

Modify Object

POST

/axapi/v3/allow-slb-cfg

allow-slb-cfg attributes

Replace Object

PUT

/axapi/v3/allow-slb-cfg

allow-slb-cfg attributes

Delete Object

DELETE

/axapi/v3/allow-slb-cfg

allow-slb-cfg attributes

allow-slb-cfg attributes

enable

Description Enable configuration of SLB objects in CGN partition. Please follow documentation on allowed configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.9 application-type

Objects:

2.9.1 application-type

Configure application to be used in partition (ADC/CGNV6)

application-type Specification

Type	*Configuration Resource*
Element Name	application-type
Element URI	/axapi/v3/application-type
Element Attributes	application-type_attributes
Schema	`application-type schema`

Operations Allowed:

Create Object

POST

/axapi/v3/application-type

application-type attributes

```
POST /axapi/v3/application-type
Payload:
{
    "application-type": {
        "type": "adc"
```

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```
    }
}
```

Get Object

GET

/axapi/v3/application-type

application-type attributes

```
GET /axapi/v3/application-type
Reponse:
{
    "application-type": {
        "type": "adc",
        "uuid": "0dfde060-5df3-11d9-abbd-001fa00680a0",
        "a10-url": "/axapi/v3/application-type"
    }
}
```

Modify Object

POST

/axapi/v3/application-type

application-type attributes

Replace Object

PUT

/axapi/v3/application-type

application-type attributes

```
PUT /axapi/v3/application-type
Payload:
{
    "application-type": {
        "type": "adc"
    }
}
```

Delete Object

DELETE

/axapi/v3/application-type

application-type attributes

```
DELETE /axapi/v3/application-type
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

application-type attributes

type

Description 'adc': Application type ADC; 'cgnv6': Application type CGNv6;

Type: string

Supported Values: adc, cgnv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.10 audit

Objects:

2.10.1 audit

Configure audit

audit Specification

Type	*Configuration Resource*
Element Name	audit
Element URI	/axapi/v3/audit
Element Attributes	audit_attributes
Schema	`audit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/audit

audit attributes

```
POST /axapi/v3/audit
Payload:
{
    "audit": {
        "enable": 1,
        "privilege": 1
    }
}
```

Get Object

GET

/axapi/v3/audit

audit attributes

```
GET /axapi/v3/audit
Reponse:
{
    "audit": {
        "enable": 1,
        "privilege": 1,
        "uuid": "587b2544-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/audit"
    }
}
```

Modify Object

POST

/axapi/v3/audit

audit attributes

Replace Object

PUT

/axapi/v3/audit

audit attributes

```
PUT /axapi/v3/audit
Payload:
{
    "audit": {
        "enable": 1,
        "privilege": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/audit

audit attributes

```
DELETE /axapi/v3/audit
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

audit attributes

enable

Description Enable audit service

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

privilege

Description Enable privilege command for audit service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

size

Description Config audit buffer size, default is 20,000 (Audit buffer size(in items), default is 20,000)

Type: number

Range: 1000-30000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.11 authentication

Objects:

2.11.1 authentication

Configure authentication feature

authentication Specification

Type	*Configuration Resource*
Element Name	authentication
Element URI	/axapi/v3/authentication
Element Attributes	authentication_attributes
Schema	`authentication schema`

Operations Allowed:

Create Object

POST

/axapi/v3/authentication

authentication attributes

```
POST /axapi/v3/authentication
Payload:
{
    "authentication": {
        "console": {
            "type-cfg": {
                "console-type": "ldap",
                "type": 1
            }
        },
        "type-cfg": {
            "type": "ldap"
        }
    }
}
```

Get Object

GET

/axapi/v3/authentication

authentication attributes

```
GET /axapi/v3/authentication
Reponse:
{
    "authentication": {
        "type-cfg": {
            "type": "ldap"
        },
        "enable-cfg": {
```

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```
            "enable-auth-type": "local"
        },
        "login-cfg": {
            "privilege-mode": 0
        },
        "mode-cfg": {
            "mode": "single"
        },
        "multiple-auth-reject": 0,
        "uuid": "e2caeea2-6c5f-11e9-b8b7-dbe69c1e923a",
        "console": {
            "type-cfg": {
                "type": 1,
                "console-type": "ldap"
            },
            "uuid": "d611a652-600c-11d9-9363-001fa00680a0",
            "a10-url": "/axapi/v3/authentication/console"
        },
        "a10-url": "/axapi/v3/authentication"
    }
}
```

Modify Object

POST

/axapi/v3/authentication

authentication attributes

Replace Object

PUT

/axapi/v3/authentication

authentication attributes

Delete Object

DELETE

/axapi/v3/authentication

authentication attributes

```
DELETE /axapi/v3/authentication
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

authentication attributes

console

Description: console is a **JSON Block**. Please see below for *console*

Type: Object

Refernce Object: */axapi/v3/authentication/console*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *enable-cfg*

Type: Object

login-cfg

Description: login-cfg is a **JSON Block**. Please see below for *login-cfg*

Type: Object

mode-cfg

Description: mode-cfg is a **JSON Block**. Please see below for *mode-cfg*

Type: Object

multiple-auth-reject

Description Multiple same user login reject

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type-cfg

Description: type-cfg is a **JSON Block**. Please see below for *type-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

console

Specification	
Type	*object*

type-cfg

Description: type-cfg is a **JSON Block**. Please see below for *console_type-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

console_type-cfg

Specification	
Type	*object*

console-type

Description

Type: string

Format: enum-list

type

Description The login authentication type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mode-cfg

Specification	
Type	*object*

mode

Description 'multiple': Multiple authentication mode. If an authentication method rejected, try next one; 'single': Single authentication mode. If an authentication method rejected, don't try next one;

Type: string

Supported Values: multiple, single

Default: single

type-cfg

Specification	
Type	*object*

type

Description The login authentication type

Type: string

Format: enum-list

Default: local

login-cfg

Specification	
Type	*object*

local

Description Configure local user to enter privilege-mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

privilege-mode

Description Configure to enter privilege-mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-cfg

Specification	
Type	*object*

enable-auth-type

Description The enable-password authentication type

Type: string

Format: enum-list

Default: local

2.11.2 authentication console

Configure console authentication type

console Specification

Type	*Configuration Resource*
Element Name	console
Element URI	/axapi/v3/authentication/console
Element Attributes	console_attributes
Schema	`console schema`

Operations Allowed:

Create Object

POST

/axapi/v3/authentication/console

console attributes

```
POST /axapi/v3/authentication/console
Payload:
{
    "console": {
        "type-cfg": {
            "console-type": "ldap",
            "type": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/authentication/console

console attributes

```
GET /axapi/v3/authentication/console
Reponse:
{
    "console": {
        "type-cfg": {
            "type": 1,
            "console-type": "ldap"
        },
        "uuid": "fc3516e8-600c-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/authentication/console"
    }
}
```

Modify Object

POST

/axapi/v3/authentication/console

console attributes

Replace Object

PUT

/axapi/v3/authentication/console

console attributes

Delete Object

DELETE

/axapi/v3/authentication/console

console attributes

```
DELETE /axapi/v3/authentication/console
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

console attributes

type-cfg

Description: type-cfg is a **JSON Block**. Please see below for *type-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

type-cfg

Specification	
Type	*object*

console-type

Description

Type: string

Format: enum-list

type

Description The login authentication type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.12 authorization

Objects:

2.12.1 authorization

Configuration for command authorization

authorization Specification

Type	*Configuration Resource*
Element Name	authorization
Element URI	/axapi/v3/authorization
Element Attributes	authorization_attributes
Schema	`authorization schema`

Operations Allowed:

Create Object

POST

/axapi/v3/authorization

authorization attributes

```
POST /axapi/v3/authorization
Payload:
{
    "authorization": {
        "commands": 0,
        "method": {
            "tacplus": 1,
            "none": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/authorization

authorization attributes

```
GET /axapi/v3/authorization
Reponse:
{
    "authorization": {
        "commands": 0,
        "method": {
            "tacplus": 1,
            "none": 1
        },
        "uuid": "13bffd96-600d-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/authorization"
    }
}
```

Modify Object

POST

/axapi/v3/authorization

authorization attributes

Replace Object

PUT

/axapi/v3/authorization

authorization attributes

```
PUT /axapi/v3/authorization
Payload:
{
    "authorization": {
        "debug": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/authorization

authorization attributes

```
DELETE /axapi/v3/authorization
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

authorization attributes

commands

Description Commands level for authorization

Type: number

Range: 0-15

debug

Description Specify the debug level for authorization (Debug level for command authorization. bitwise OR of the following: 1(common), 2(packet),4(packet detail), 8(md5))

Type: number

Range: 1-15

method

Description: method is a **JSON Block**. Please see below for *method*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method

Specification	
Type	*object*

none

Description No command authorization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus

Description Using TACACS+ protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.13 automatic-update

Objects:

2.13.1 automatic-update

Automatic update configuration

automatic-update Specification

Type	*Configuration Resource*
Element Name	automatic-update
Element URI	/axapi/v3/automatic-update
Element Attributes	automatic-update_attributes
Schema	`automatic-update schema`

Operations Allowed:

Create Object

POST

/axapi/v3/automatic-update

automatic-update attributes

Get Object

GET

/axapi/v3/automatic-update

automatic-update attributes

Modify Object

POST

/axapi/v3/automatic-update

automatic-update attributes

Replace Object

PUT

/axapi/v3/automatic-update

automatic-update attributes

Delete Object

DELETE

/axapi/v3/automatic-update

automatic-update attributes

automatic-update attributes

check-now

Description: check-now is a **JSON Block**. Please see below for *check-now*

Type: Object

Refernce Object: */axapi/v3/automatic-update/check-now*

checknow

Description: checknow is a **JSON Block**. Please see below for *checknow*

Type: Object

Refernce Object: */axapi/v3/automatic-update/checknow*

config-list

Type: List

Refernce Object: */axapi/v3/automatic-update/config/{feature-name}*

glm-source-url

Description Change GLM source url

Type: string

Format: string-rlx

Maximum Length: 1024 characters

Maximum Length: 1 characters

info

Description: info is a **JSON Block**. Please see below for *info*

Type: Object

Refernce Object: */axapi/v3/automatic-update/info*

proxy-server

Description: proxy-server is a **JSON Block**. Please see below for *proxy-server*

Type: Object

Refernce Object: */axapi/v3/automatic-update/proxy-server*

reset

Description: reset is a **JSON Block**. Please see below for *reset*

Type: Object

Refernce Object: */axapi/v3/automatic-update/reset*

revert

Description: revert is a **JSON Block**. Please see below for *revert*

Type: Object

Refernce Object: */axapi/v3/automatic-update/revert*

use-mgmt-port

Description Use management port to connect

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reset

Specification	
Type	*object*

feature-name

Description 'app-fw': Application Firewall;

Type: string

Supported Values: app-fw, ca-bundle

checknow

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

revert

Specification	
Type	*object*

feature-name

Description 'app-fw': Application Firewall;

Type: string

Supported Values: app-fw, a10-threat-intel

proxy-server

Specification	
Type	*object*

auth-type

Description 'ntlm': NTLM authentication(default); 'basic': Basic authentication;

Type: string

Supported Values: ntlm, basic

Default: ntlm

domain

Description Realm for NTLM authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

https-port

Description Proxy server HTTPs port

Type: number

Range: 1-65535

password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

check-now

Specification	
Type	*object*

feature-name

Description 'app-fw': Application Firewall;

Type: string

Supported Values: app-fw, ca-bundle, a10-threat-intel

from-staging-server

Description Get files from GLM Staging storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prod-ver

Description update to this specific version, if this option is not configured, update to the latest version

Type: string

Maximum Length: 70 characters

Maximum Length: 1 characters

stage-ver

Description update this specific version

Type: string

Maximum Length: 70 characters

Maximum Length: 1 characters

config-list

Specification	
Type	*list*
Block object keys	

daily

Description Every day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: daily and weekly are mutually exclusive

day-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

debug

Description Enable libcurl debug option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-ssl-verify

Description Disable peer server certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

feature-name

Description 'app-fw': Application Firewall Configuration;

Type: string

Supported Values: app-fw, ca-bundle, a10-threat-intel

schedule

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

week-day

Description 'Monday': Monday; 'Tuesday': Tuesday; 'Wednesday': Wednesday; 'Thursday': Thursday; 'Friday': Friday; 'Saturday': Saturday; 'Sunday': Sunday;

Type: string

Supported Values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

week-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

weekly

Description Every week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: weekly and daily are mutually exclusive

2.13.2 automatic-update config

Configure software update schedule

config Specification

Type	*Collection*
Object Key(s)	*feature-name*
Collection Name	*config-list*
Collection URI	/axapi/v3/automatic-update/config
Element Name	config
Element URI	/axapi/v3/automatic-update/config/{feature-name}
Element Attributes	config_attributes
Schema	`config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/automatic-update/config

config attributes

Create List

POST

/axapi/v3/automatic-update/config

config attributes

Get Object

GET

/axapi/v3/automatic-update/config/{feature-name}

config attributes

Get List

GET

/axapi/v3/automatic-update/config

config-list

Modify Object

POST

/axapi/v3/automatic-update/config/{feature-name}

config attributes

Replace Object

PUT

/axapi/v3/automatic-update/config/{feature-name}

config attributes

Replace List

PUT

/axapi/v3/automatic-update/config

config-list

Delete Object

DELETE

/axapi/v3/automatic-update/config/{feature-name}

config attributes

config-list

config-list is **JSON List** of *config attributes*

```
config-list : [
        { config attributes },
        { config attributes },
        ...
    ]
```

config attributes

daily

Description Every day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: daily and weekly are mutually exclusive

day-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

debug

Description Enable libcurl debug option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-ssl-verify

Description Disable peer server certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

feature-name

Description 'app-fw': Application Firewall Configuration;

Type: string

Supported Values: app-fw, ca-bundle, a10-threat-intel

schedule

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

week-day

Description 'Monday': Monday; 'Tuesday': Tuesday; 'Wednesday': Wednesday; 'Thursday': Thursday; 'Friday': Friday; 'Saturday': Saturday; 'Sunday': Sunday;

Type: string

Supported Values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

week-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

weekly

Description Every week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: weekly and daily are mutually exclusive

2.13.3 automatic-update proxy-server

Connect through proxy server

proxy-server Specification

Type	*Configuration Resource*
Element Name	proxy-server
Element URI	/axapi/v3/automatic-update/proxy-server
Element Attributes	proxy-server_attributes
Schema	`proxy-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/automatic-update/proxy-server

proxy-server attributes

Get Object

GET

/axapi/v3/automatic-update/proxy-server

proxy-server attributes

Modify Object

POST

/axapi/v3/automatic-update/proxy-server

proxy-server attributes

Replace Object

PUT

/axapi/v3/automatic-update/proxy-server

proxy-server attributes

Delete Object

DELETE

/axapi/v3/automatic-update/proxy-server

proxy-server attributes

proxy-server attributes

auth-type

Description 'ntlm': NTLM authentication(default); 'basic': Basic authentication;

Type: string

Supported Values: ntlm, basic

Default: ntlm

domain

Description Realm for NTLM authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

https-port

Description Proxy server HTTPs port

Type: number

Range: 1-65535

password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.14 axdebug

Objects:

2.14.1 axdebug

Packet Trace Options

axdebug Specification

Type	*Configuration Resource*
Element Name	axdebug
Element URI	/axapi/v3/axdebug
Element Attributes	axdebug_attributes
Schema	`axdebug schema`

Operations Allowed:

Create Object

POST

/axapi/v3/axdebug

axdebug attributes

Get Object

GET

/axapi/v3/axdebug

axdebug attributes

Modify Object

POST

/axapi/v3/axdebug

axdebug attributes

Replace Object

PUT

/axapi/v3/axdebug

axdebug attributes

Delete Object

DELETE

/axapi/v3/axdebug

axdebug attributes

axdebug attributes

apply-config

Description: apply-config is a **JSON Block**. Please see below for *apply-config*

Type: Object

Refernce Object: */axapi/v3/axdebug/apply-config*

capture

Description: capture is a **JSON Block**. Please see below for *capture*

Type: Object

Refernce Object: */axapi/v3/axdebug/capture*

count

Description Maximum packets to capture. Default is 3000. (Maximum packets to capture. For umlimited, specify 0)

Type: number

Range: 0-65535

Default: 3000

delete

Description: delete is a **JSON Block**. Please see below for *delete*

Type: Object

Refernce Object: */axapi/v3/axdebug/delete*

exit

Description: exit is a **JSON Block**. Please see below for *exit*

Type: Object

Refernce Object: */axapi/v3/axdebug/exit*

filter-config-list

Type: List

Refernce Object: */axapi/v3/axdebug/filter-config/{number}*

inc-port-num

Description Port Numbers separated by commas(,) and hyphens(-) without spaces. ex: 4,5,10-30, or separated by spaces and double-quoted(“)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

incoming

Description Incoming interface. (For all ports, don’t specify port number.)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

length

Description Packet length to capture

Type: number

Range: 64-12000

Default: 1518

maxfile

Description Maximum number of debug packet files. Default is 100

Type: number

Range: 1-65535

Default: 100

out-port-num

Description Port Numbers separated by commas(,) and hyphens(-) without spaces. ex: 4,5,10-30, or separated by spaces and double-quoted(“)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

outgoing

Description Outgoing interface (For all ports, don’t specify port number.)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

save-config

Description: save-config is a **JSON Block**. Please see below for *save-config*

Type: Object

Refernce Object: */axapi/v3/axdebug/save-config*

sess-filter-dis

Description Disable session based filter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Maximum number of minutes for a capture. Default is 5 minutes. For unlimited, specify 0

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

delete

Specification	
Type	*object*

capture-file

Description Delete a capture file (Specify target filename to change)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

config-file

Description Delete AXDebug config file (Specify target filename to change)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

apply-config

Specification	
Type	*object*

config-file

Description config file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

save-config

Specification	
Type	*object*

config-file

Description config file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

default

Description save to default config file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capture

Specification	
Type	*object*

brief

Description Print basic packet information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

current-slot

Description Only for current-slot of chassis

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Include packet payload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-stop

Description Non-stop execution

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

save

Description Save packets into file (Specify filename to save packets)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

exit

Specification	
Type	*object*

stop-capture

Description stop capture traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-config-list

Specification	
Type	*list*
Block object keys	

WORD0

Description WORD0 to compare

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: WORD0 hex and integer are mutually exclusive

WORD1

Description WORD min value

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

WORD2

Description WORD max value

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

comp-hex

Description value to compare

Type: string

Format: time-hh:mm

Maximum Length: 2 characters

Maximum Length: 1 characters

dst

Description Destination

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst and l3-proto are mutually exclusive

dst-ip

Description dest IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-ipv4-address

Description dest ip address

Type: string

Format: ipv4-address

dst-mac

Description dest mac address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-mac-addr

Description dest mac address

Type: string

Format: mac-address

dst-port

Description dest port number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-port-num

Description dest Port number

Type: number

Range: 1-65535

exit

Description Exit from axdebug mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hex

Description Define hex value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: hexinteger, word and WORD0 are mutually exclusive

integer

Description Define decimal value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: integerhex, word and WORD0 are mutually exclusive

integer-comp

Description value to compare

Type: number

Range: 1-255

integer-max

Description max value

Type: number

Range: 1-255

integer-min

Description min value

Type: number

Range: 1-255

ip

Description IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ip l3-proto and ipv6 are mutually exclusive

ipv4-address

Description ip address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv6

Description IPV6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipv6 l3-proto and ip are mutually exclusive

ipv6-address

Description ipv6 address

Type: string

Format: ipv6-address

l3-proto

Description 'arp': arp; 'neighbor': neighbor;

Type: string

Supported Values: arp, neighbor

Mutual Exclusion: l3-protodst, src, ip, ipv6, mac, port, proto and offset are mutually exclusive

length

Description byte length

Type: number

Range: 1-65535

mac

Description mac address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: mac and l3-proto are mutually exclusive

mac-addr

Description mac address

Type: string

Format: mac-address

max-hex

Description max value

Type: string

Format: time-hh:mm

Maximum Length: 2 characters

Maximum Length: 1 characters

min-hex

Description min value

Type: string

Format: time-hh:mm

Maximum Length: 2 characters

Maximum Length: 1 characters

number

Description Specify filter id

Type: number

Range: 1-32

offset

Description byte offset

Type: number

Range: 0-65535

Mutual Exclusion: offset and l3-proto are mutually exclusive

oper-range

Description 'gt': greater than; 'gte': greater than or equal to; 'se': smaller than or equal to; 'st': smaller than; 'eq': equal to; 'range': select a range;

Type: string

Supported Values: gt, gte, se, st, eq, range

port

Description port configurations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port and l3-proto are mutually exclusive

port-num-max

Description max port number

Type: number

Range: 1-65535

port-num-min

Description min port number

Type: number

Range: 1-65535

prot-num

Description protocol number

Type: number

Range: 1-255

Mutual Exclusion: prot-num and proto-val are mutually exclusive

proto

Description ip protocol number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: proto and l3-proto are mutually exclusive

proto-val

Description 'icmp': icmp; 'icmpv6': icmpv6; 'tcp': tcp; 'udp': udp;

Type: string

Supported Values: icmp, icmpv6, tcp, udp

Mutual Exclusion: proto-val and prot-num are mutually exclusive

src

Description Src

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src and l3-proto are mutually exclusive

src-ip

Description src IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-ipv4-address

Description src ip address

Type: string

Format: ipv4-address

src-mac

Description src mac address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-mac-addr

Description src mac address

Type: string

Format: mac-address

src-port

Description src port number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-port-num

Description src Port number

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

word

Description Define hex value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: word hex and integer are mutually exclusive

2.14.2 axdebug filter-config

Global debug filter

filter-config Specification

Type	*Collection*
Object Key(s)	*number*
Collection Name	*filter-config-list*
Collection URI	/axapi/v3/axdebug/filter-config
Element Name	filter-config
Element URI	/axapi/v3/axdebug/filter-config/{number}
Element Attributes	filter-config_attributes
Schema	`filter-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/axdebug/filter-config

filter-config attributes

Create List

POST

/axapi/v3/axdebug/filter-config

filter-config attributes

Get Object

GET

/axapi/v3/axdebug/filter-config/{number}

filter-config attributes

Get List

GET

/axapi/v3/axdebug/filter-config

filter-config-list

Modify Object

POST

/axapi/v3/axdebug/filter-config/{number}

filter-config attributes

Replace Object

PUT

/axapi/v3/axdebug/filter-config/{number}

filter-config attributes

Replace List

PUT

/axapi/v3/axdebug/filter-config

filter-config-list

Delete Object

DELETE

/axapi/v3/axdebug/filter-config/{number}

filter-config attributes

filter-config-list

filter-config-list is **JSON List** of *filter-config attributes*

filter-config-list : [

{ *filter-config attributes* },

{ *filter-config attributes* },

...

]

filter-config attributes

WORD0

Description WORD0 to compare

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: WORD0 hex and integer are mutually exclusive

WORD1

Description WORD min value

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

WORD2

Description WORD max value

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

comp-hex

Description value to compare

Type: string

Format: time-hh:mm

Maximum Length: 2 characters

Maximum Length: 1 characters

dst

Description Destination

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst and l3-proto are mutually exclusive

dst-ip

Description dest IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-ipv4-address

Description dest ip address

Type: string

Format: ipv4-address

dst-mac

Description dest mac address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-mac-addr

Description dest mac address

Type: string

Format: mac-address

dst-port

Description dest port number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-port-num

Description dest Port number

Type: number

Range: 1-65535

exit

Description Exit from axdebug mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hex

Description Define hex value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: hexinteger, word and WORD0 are mutually exclusive

integer

Description Define decimal value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: integerhex, word and WORD0 are mutually exclusive

integer-comp

Description value to compare

Type: number

Range: 1-255

integer-max

Description max value

Type: number

Range: 1-255

integer-min

Description min value

Type: number

Range: 1-255

ip

Description IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ip l3-proto and ipv6 are mutually exclusive

ipv4-address

Description ip address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv6

Description IPV6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipv6 l3-proto and ip are mutually exclusive

ipv6-address

Description ipv6 address

Type: string

Format: ipv6-address

l3-proto

Description Layer 3 protocol

Type: string

Supported Values: arp, neighbor

Mutual Exclusion: l3-protodst, src, ip, ipv6, mac, port, proto and offset are mutually exclusive

length

Description byte length

Type: number

Range: 1-65535

mac

Description mac address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: mac and l3-proto are mutually exclusive

mac-addr

Description mac address

Type: string

Format: mac-address

max-hex

Description max value

Type: string

Format: time-hh:mm

Maximum Length: 2 characters

Maximum Length: 1 characters

min-hex

Description min value

Type: string

Format: time-hh:mm

Maximum Length: 2 characters

Maximum Length: 1 characters

number

Description Specify filter id

Type: number

Range: 1-32

offset

Description byte offset

Type: number

Range: 0-65535

Mutual Exclusion: offset and l3-proto are mutually exclusive

oper-range

Description 'gt': greater than; 'gte': greater than or equal to; 'se': smaller than or equal to; 'st': smaller than; 'eq': equal to;

Type: string

Supported Values: gt, gte, se, st, eq, range

port

Description port number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port and l3-proto are mutually exclusive

port-num-max

Description max port number

Type: number

Range: 1-65535

port-num-min

Description min port number

Type: number

Range: 1-65535

prot-num

Description protocol number

Type: number

Range: 1-255

Mutual Exclusion: prot-num and proto-val are mutually exclusive

proto

Description ip protocol number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: proto and l3-proto are mutually exclusive

proto-val

Description 'icmp': icmp; 'icmpv6': icmpv6; 'tcp': tcp; 'udp': udp;

Type: string

Supported Values: icmp, icmpv6, tcp, udp

Mutual Exclusion: proto-val and prot-num are mutually exclusive

src

Description Source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src and l3-proto are mutually exclusive

src-ip

Description src IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-ipv4-address

Description src ip address

Type: string

Format: ipv4-address

src-mac

Description src mac address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-mac-addr

Description src mac address

Type: string

Format: mac-address

src-port

Description src port number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-port-num

Description src Port number

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

word

Description Define hex value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: word hex and integer are mutually exclusive

2.15 backup-periodic

Objects:

2.15.1 backup-periodic

Configure backup periodically

backup-periodic Specification

Type	*Configuration Resource*
Element Name	backup-periodic
Element URI	/axapi/v3/backup-periodic
Element Attributes	backup-periodic_attributes
Schema	`backup-periodic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/backup-periodic

backup-periodic attributes

Get Object

GET

/axapi/v3/backup-periodic

backup-periodic attributes

Modify Object

POST

/axapi/v3/backup-periodic

backup-periodic attributes

Replace Object

PUT

/axapi/v3/backup-periodic

backup-periodic attributes

Delete Object

DELETE

/axapi/v3/backup-periodic

backup-periodic attributes

backup-periodic attributes

day

Description Specify interval days

Type: number

Range: 1-199

Mutual Exclusion: day hour and week are mutually exclusive

encrypt

Description Encrypt the backup file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat

Description Backup fixed-nat port mapping files

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hour

Description Specify interval hours

Type: number

Range: 1-65534

Mutual Exclusion: hour day and week are mutually exclusive

log

Description Backup log files

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description profile name for remote url

Type: string

Format: url

store-name

Description profile name to store remote url

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

system

Description Backup system files

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

week

Description Specify interval weeks

Type: number

Range: 1-199

Mutual Exclusion: week day and hour are mutually exclusive

2.16 banner

Objects:

2.16.1 banner

Define a login banner

banner Specification

Type	*Configuration Resource*
Element Name	banner
Element URI	/axapi/v3/banner
Element Attributes	banner_attributes
Schema	`banner schema`

Operations Allowed:

Create Object

POST

/axapi/v3/banner

banner attributes

```
POST /axapi/v3/banner
Payload:
{
    "banner": {
        "exec-banner-cfg": {
            "exec": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/banner

banner attributes

```
GET /axapi/v3/banner
Reponse:
{
    "banner": {
        "exec-banner-cfg": {
            "exec": 1
        },
        "login-banner-cfg": {
            "login": 0
        },
        "uuid": "1f9fe786-5df4-11d9-abbd-001fa00680a0",
        "a10-url": "/axapi/v3/banner"
    }
}
```

Modify Object

POST

/axapi/v3/banner

banner attributes

Replace Object

PUT

/axapi/v3/banner

banner attributes

```
PUT /axapi/v3/banner
Payload:
{
    "banner": {
        "exec-banner-cfg": {
            "exec": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/banner

banner attributes

```
DELETE /axapi/v3/banner
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

banner attributes

exec-banner-cfg

Description: exec-banner-cfg is a **JSON Block**. Please see below for *exec-banner-cfg*

Type: Object

login-banner-cfg

Description: login-banner-cfg is a **JSON Block**. Please see below for *login-banner-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

exec-banner-cfg

Specification	
Type	*object*

exec

Description Set EXEC process creation banner

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exec-banner

Description Banner text, string n is taken as line break of multi-line banner text, use \n to indicate n

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

login-banner-cfg

Specification	
Type	*object*

login

Description Set login banner

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

login-banner

Description Banner text, string n is taken as line break of multi-line banner text, use \n to indicate n

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

2.17 bgp

Objects:

2.17.1 bgp

Border Gateway Protocol (BGP)

bgp Specification

Type	*Configuration Resource*
Element Name	bgp
Element URI	/axapi/v3/bgp
Element Attributes	bgp_attributes
Schema	`bgp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/bgp

bgp attributes

```
POST /axapi/v3/bgp
Payload:
{
    "bgp": {
        "extended-asn-cap": 1
    }
}
```

Get Object

GET

/axapi/v3/bgp

bgp attributes

```
GET /axapi/v3/bgp
Reponse:
{
    "bgp": {
        "extended-asn-cap": 1,
        "nexthop-trigger": {
            "enable": 0
        },
        "uuid": "217ee218-60f7-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/bgp"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/bgp

bgp attributes

Replace Object

PUT

/axapi/v3/bgp

bgp attributes

```
PUT /axapi/v3/bgp
Payload:
{
    "bgp": {
        "extended-asn-cap": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/bgp

bgp attributes

```
DELETE /axapi/v3/bgp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bgp attributes

extended-asn-cap

Description Enable the router to send 4-octet ASN capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nexthop-trigger

Description: nexthop-trigger is a **JSON Block**. Please see below for *nexthop-trigger*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nexthop-trigger

Specification	
Type	*object*

delay

Description Configure nexthop trigger delay time interval (Nexthop Trigger Delay time interval between 1 and 100)

Type: number

Range: 1-100

enable

Description Enable the nexthop tracking functionality

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.18 bios-prog

Objects:

2.18.1 bios-prog

Programming for BIOS

bios-prog Specification

Type	*Configuration Resource*
Element Name	bios-prog
Element URI	/axapi/v3/bios-prog
Element Attributes	bios-prog_attributes
Schema	`bios-prog schema`

Operations Allowed:

Create Object

POST

/axapi/v3/bios-prog

bios-prog attributes

Get Object

GET

/axapi/v3/bios-prog

bios-prog attributes

Modify Object

POST

/axapi/v3/bios-prog

bios-prog attributes

Replace Object

PUT

/axapi/v3/bios-prog

bios-prog attributes

Delete Object

DELETE

/axapi/v3/bios-prog

bios-prog attributes

bios-prog attributes

filename

Description Give the filename of the flash.rom file

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19 cgnv6

Objects:

2.19.1 cgnv6

CGN and IPv6 Migration commands

cgnv6 Specification

Type	*Intermediate Resource*
Element Name	cgnv6
Element URI	/axapi/v3/cgnv6
Element Attributes	cgnv6_attributes
Schema	`cgnv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6

cgnv6_attributes

cgnv6 attributes

ddos-protection

Description: ddos-protection is a **JSON Block**. Please see below for *ddos-protection*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ddos-protection*

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

Refernce Object: */axapi/v3/cgnv6/dns64*

dns64-virtualserver-list

Type: List

Refernce Object: */axapi/v3/cgnv6/dns64-virtualserver/{name}*

ds-lite

Description: ds-lite is a **JSON Block**. Please see below for *ds-lite*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite*

ecmp

Description: ecmp is a **JSON Block**. Please see below for *ecmp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ecmp*

fixed-nat

Description: fixed-nat is a **JSON Block**. Please see below for *fixed-nat*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/global*

http-alg

Description: http-alg is a **JSON Block**. Please see below for *http-alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/http-alg*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/icmp*

l4

Description: l4 is a **JSON Block**. Please see below for *l4*

Type: Object

Refernce Object: */axapi/v3/cgnv6/l4*

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging*

lsn

Description: lsn is a **JSON Block**. Please see below for *lsn*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn*

lsn-lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-lid/{lid-number}*

lsn-radius-profile-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-radius-profile/{lid-profile-index}*

lsn-rule-list-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}*

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *lw-4o6*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6*

map

Description: map is a **JSON Block**. Please see below for *map*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map*

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat*

nat46-stateless

Description: nat46-stateless is a **JSON Block**. Please see below for *nat46-stateless*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless*

nat64

Description: nat64 is a **JSON Block**. Please see below for *nat64*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64*

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *nptv6*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nptv6*

one-to-one

Description: one-to-one is a **JSON Block**. Please see below for *one-to-one*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one*

pcp

Description: pcp is a **JSON Block**. Please see below for *pcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/pcp*

port-batch-v1

Description: port-batch-v1 is a **JSON Block**. Please see below for *port-batch-v1*

Type: Object

Refernce Object: */axapi/v3/cgnv6/port-batch-v1*

port-list-list

Type: List

Refernce Object: */axapi/v3/cgnv6/port-list/{name}*

resource-usage

Description: resource-usage is a **JSON Block**. Please see below for *resource-usage*

Type: Object

Refernce Object: */axapi/v3/cgnv6/resource-usage*

scaleout

Description: scaleout is a **JSON Block**. Please see below for *scaleout*

Type: Object

Refernce Object: */axapi/v3/cgnv6/scaleout*

sctp

Description: sctp is a **JSON Block**. Please see below for *sctp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp*

server-list

Type: List

Refernce Object: */axapi/v3/cgnv6/server/{name}*

service-group-list

Type: List

Refernce Object: */axapi/v3/cgnv6/service-group/{name}*

shared-service-group

Description: shared-service-group is a **JSON Block**. Please see below for *shared-service-group*

Type: Object

Refernce Object: */axapi/v3/cgnv6/shared-service-group*

sixrd

Description: sixrd is a **JSON Block**. Please see below for *sixrd*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd*

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template*

translation

Description: translation is a **JSON Block**. Please see below for *translation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/translation*

lsn

Specification	
Type	*object*

alg

Description: alg is a **JSON Block**. Please see below for *lsn_alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg*

all-sessions

Description: all-sessions is a **JSON Block**. Please see below for *lsn_all-sessions*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/all-sessions*

data-sessions

Description: data-sessions is a **JSON Block**. Please see below for *lsn_data-sessions*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/data-sessions*

endpoint-independent-filtering

Description: endpoint-independent-filtering is a **JSON Block**. Please see below for *lsn_endpoint-independent-filtering*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-filtering*

endpoint-independent-mapping

Description: endpoint-independent-mapping is a **JSON Block**. Please see below for *lsn_endpoint-independent-mapping*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-mapping*

enhanced-user-tracking

Description: enhanced-user-tracking is a **JSON Block**. Please see below for *lsn_enhanced-user-tracking*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/enhanced-user-tracking*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *lsn_full-cone-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *lsn_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/global*

health-check-gateway-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/health-check-gateway/{ipv4-addr}+{ipv6-addr}*

inside

Description: inside is a **JSON Block**. Please see below for *lsn_inside*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/inside*

per-instance

Description: per-instance is a **JSON Block**. Please see below for *lsn_per-instance*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/per-instance*

performance

Description: performance is a **JSON Block**. Please see below for *lsn_performance*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/performance*

port-overloading

Description: port-overloading is a **JSON Block**. Please see below for *lsn_port-overloading*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading*

port-reservation-entries

Description: port-reservation-entries is a **JSON Block**. Please see below for *lsn_port-reservation-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-reservation-entries*

port-reservation-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/port-reservation/{inside}+{inside-port-start}+{inside-port-end}+{nat}+{nat-port-start}+{nat-port-end}*

radius

Description: radius is a **JSON Block**. Please see below for *lsn_radius*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/radius*

stun-timeout

Description: stun-timeout is a **JSON Block**. Please see below for *lsn_stun-timeout*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/stun-timeout*

system-status

Description: system-status is a **JSON Block**. Please see below for *lsn_system-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/system-status*

tcp

Description: tcp is a **JSON Block**. Please see below for *lsn_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/tcp*

user-quota-session

Description: user-quota-session is a **JSON Block**. Please see below for *lsn_user-quota-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/user-quota-session*

lsn_all-sessions

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_radius

Specification	
Type	*object*

server

Description: server is a **JSON Block**. Please see below for *lsn_radius_server*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/radius/server*

lsn_radius_server

Specification	
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated;

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *lsn_radius_server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

lsn_radius_server_remote

Specification	
Type	*object*

ip-list

Type: List

lsn_radius_server_remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

lsn_radius_server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'radius-table-full': RADIUS Request Dropped (Table Full); 'ha-standby-dropped': HA Standby Dropped; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received;

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-

sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

lsn_radius_server_attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

lsn_endpoint-independent-mapping

Specification	
Type	*object*

tcp

Description: tcp is a **JSON Block**. Please see below for *lsn_endpoint-independent-mapping_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *lsn_endpoint-independent-mapping_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp*

lsn_endpoint-independent-mapping_udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_endpoint-independent-mapping_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

lsn_endpoint-independent-mapping_tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_endpoint-independent-mapping_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

lsn_port-overloading

Specification	
Type	*object*

global

Description: global is a **JSON Block**. Please see below for *lsn_port-overloading_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/global*

port-overloading-status

Description: port-overloading-status is a **JSON Block**. Please see below for *lsn_port-overloading_port-overloading-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status*

tcp

Description: tcp is a **JSON Block**. Please see below for *lsn_port-overloading_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *lsn_port-overloading_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/udp*

lsn_port-overloading_port-overloading-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_port-overloading_udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_port-overloading_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

lsn_port-overloading_global

Specification	
Type	*object*

allow-different-user

Description Allow different users to overload the same port (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unique

Description 'destination-address': Allow overloading when the destination addresses is unique; 'destination-address-and-port': Allow overloading when the destination address and port 2-tuple is unique (default);

Type: string

Supported Values: destination-address, destination-address-and-port

Default: destination-address-and-port

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_port-overloading_tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_port-overloading_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

lsn_system-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_health-check-gateway-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description Specify IPv4 Gateway

Type: string

Format: ipv4-address

ipv6-addr

Description Specify IPv6 Gateway

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg

Specification	
Type	*object*

esp

Description: esp is a **JSON Block**. Please see below for *lsn_alg_esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *lsn_alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *lsn_alg_h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *lsn_alg_mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *lsn_alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/pptp*

rtp

Description: rtp is a **JSON Block**. Please see below for *lsn_alg_rtp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/rtp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *lsn_alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *lsn_alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *lsn_alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/tftp*

lsn_alg_ftp

Specification	
Type	*object*

ftp-value

Description 'disable': Disable FTP ALG for LSN;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'port-requests': PORT Requests From Client; 'eprt-requests': EPRT Requests From Client; 'lprt-requests': LPRT Requests From Client; 'pasv-replies': PASV Replies From Server; 'epsv-replies': EPSV Replies From Server; 'lpsv-replies': LPSV Replies From Server; 'port-retransmits': Port Mode Request Retransmits; 'pasv-retransmits': Passive Mode Reply Retransmits; 'port-helper-created': Port Mode Helper Created; 'pasv-helper-created': Passive Mode Helper Created; 'port-helper-freed': Port Mode Helper Freed; 'pasv-helper-freed': Passive Mode Helper Freed; 'port-helper-unused': Port Mode Helper Unused; 'pasv-helper-unused': Passive Mode Helper Unused; 'port-helper-creation-failure': Port Helper Creation Failure; 'pasv-helper-creation-failure': Passive Helper Creation Failure; 'get-conn-ext-failure': Get Conn Extension Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, port-requests, eprt-requests, lprt-requests, pasv-replies, epsv-replies, lpsv-replies, port-retransmits, pasv-retransmits, port-helper-created, pasv-helper-created, port-helper-freed, pasv-helper-freed, port-helper-unused, pasv-helper-unused, port-helper-creation-failure, pasv-helper-creation-failure, get-conn-ext-failure, smp-app-type-mismatch

lsn_alg_sip

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout in minutes (Default is 5 minutes)

Type: number

Range: 2-10

Default: 5

sampling-enable

Type: List

sip-value

Description 'enable': Enable SIP ALG for LSN;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'method-register': SIP Method REGISTER; 'method-invite': SIP Method INVITE; 'method-ack': SIP Method ACK; 'method-cancel': SIP Method CANCEL; 'method-bye': SIP Method BYE; 'method-options': SIP Method OPTIONS; 'method-prack': SIP Method PRACK; 'method-subscribe': SIP Method SUBSCRIBE; 'method-notify': SIP Method NOTIFY; 'method-publish': SIP Method PUBLISH; 'method-info': SIP Method INFO; 'method-refer': SIP Method REFER; 'method-message': SIP Method MESSAGE; 'method-update': SIP Method UPDATE; 'method-unknown': SIP Method UNKNOWN; 'parse-error': SIP Message Parse Error; 'req-uri-op-failrue': SIP Operate Request Uri Failure; 'via-hdr-op-failrue': SIP Operate Via Header Failure; 'contact-hdr-op-failrue': SIP Operate Contact Header Failure; 'from-hdr-op-failrue': SIP Operate From Header Failure; 'to-hdr-op-failrue': SIP Operate To Header Failure; 'route-hdr-op-failrue': SIP Operate Route Header Failure; 'record-route-hdr-op-failrue': SIP Operate Record-Route Header Failure; 'content-length-hdr-op-failrue': SIP Operate Content-Length Failure; 'third-party-registration': SIP Third-Party Registration; 'conn-ext-creation-failure': SIP Create Connection Extension Failure; 'alloc-contact-port-failure': SIP Alloc Contact Port Failure; 'outside-contact-port-mismatch': SIP Outside Contact Port Mismatch NAT Port; 'inside-contact-port-mismatch': SIP Inside Contact Port Mismatch; 'third-party-sdp': SIP Third-Party SDP; 'sdp-process-candidate-failure': SIP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': SIP Operate SDP Failure; 'sdp-alloc-port-map-success': SIP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': SIP Alloc SDP Port Map Failure; 'modify-failure': SIP Message Modify Failure; 'rewrite-failure': SIP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, req-uri-op-failrue, via-hdr-op-failrue, contact-hdr-op-failrue, from-hdr-op-failrue, to-hdr-op-failrue, route-hdr-op-failrue, record-route-hdr-op-failrue, content-length-hdr-op-failrue, third-party-registration, conn-ext-creation-failure, alloc-contact-port-failure, outside-contact-port-mismatch, inside-contact-port-mismatch, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop, smp-conn-alloc-failure, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

lsn_alg_esp

Specification	
Type	*object*

esp-value

Description 'enable': Enable ESP ALG for LSN;

Type: string

Supported Values: enable, enable-with-ctrl

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, placeholder-debug, nat-ip-conflict

lsn_alg_pptp

Specification	
Type	*object*

pptp-value

Description 'enable': Enable PPTP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'mismatched-pns-call-id': Mismatched PNS Call ID; 'gre-sessions-created': GRE Sessions Created; 'gre-sessions-freed': GRE Sessions Freed; 'no-gre-session-match': No Matching GRE Session; 'smp-sessions-created': SMP Sessions Created; 'smp-sessions-freed': SMP Sessions Freed; 'smp-session-creation-failure': SMP Session Creation Failures; 'extension-creation-failure': Extension Creation Failures; 'ha-sent': HA Info Sent; 'ha-rcv': HA Info Received; 'ha-no-mem': HA Memory Allocation Failure; 'ha-conflict': HA Call ID Conflicts; 'ha-overwrite': HA Call ID Overwrites; 'ha-call-sent': HA Call Sent; 'ha-call-rcv': HA Call Received; 'ha-smp-conflict': HA SMP Conflicts; 'ha-smp-in-del-q': HA SMP Deleted; 'smp-app-type-mismatch': SMP ALG App Type Mismatch; 'quota-inc': Quota Incremented; 'quota-dec': Quota Decremented; 'quota-inc-not-found': Quota Not Found on Increment; 'quota-dec-not-found': Quota Not Found on Decrement;

Type: string

Supported Values: all, calls-established, mismatched-pns-call-id, gre-sessions-created, gre-sessions-freed, no-gre-session-match, smp-sessions-created, smp-sessions-freed, smp-session-creation-failure, extension-creation-failure, ha-sent, ha-rcv, ha-no-mem, ha-conflict, ha-overwrite, ha-call-sent, ha-call-rcv, ha-smp-conflict, ha-smp-in-del-q, smp-app-type-mismatch, quota-inc, quota-dec, quota-inc-not-found, quota-dec-not-found, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-retransmit-wrong-control, call-reply-retransmit-acquired, call-reply-ext-alloc-failure, smp-client-call-id-mismatch, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

lsn_alg_rtsp

Specification	
Type	*object*

rtsp-value

Description 'enable': Enable RTSP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'streams-created': Streams Created; 'streams-freed': Streams Freed; 'stream-creation-failure': Stream Creation Failures; 'ports-allocated': Stream Client Ports Allocated; 'ports-freed': Stream Client Ports Freed; 'port-allocation-failure': Stream Client Port Allocation Failures; 'unknown-client-port-from-server': Server Replies With Unknown Client Ports; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'no-session-mem': Data Session Creation Failures; 'ha-sent': HA Sent; 'ha-rcv': HA RCV; 'smp-inserted': SMP Session Inserted; 'smp-removed': SMP Session Removed; 'smp-reused': SMP Session Reused; 'nat-pool-standby': New Session NAT Pool Standby; 'smp-deleted': New Session SMP Already Deleted; 'control-closed': New Session Closed; 'data-session-exists': New Session Already Exists; 'data-session-creation-failure': New Data Session Creation Failure; 'rtp-reversed': RTP Reverse Creation; 'rtcp-reversed': RTCP Reverse Creation; 'cross-cpu-sent': Cross CPU Sent; 'cross-cpu-rcv': Cross CPU Received; 'cross-cpu-no-session': Cross CPU No Session Found; 'cross-cpu-created': Cross CPU Creation; 'cross-cpu-rcv-failure': Cross CPU Receive Failure; 'data-free-smp-retry-lookup': Data Session Free SMP Retry Lookup; 'data-free-smp-not-found': Data Session Free SMP Not Found; 'ha-streams-sent': HA Streams Sent; 'ha-streams-rcv': HA Streams Received; 'ha-stream-incompatible': HA Incompatible Streams Received; 'ha-stream-exists': HA Stream Already Exists; 'ha-port-allocation-failure': HA Stream Port Allocation Failure; 'ha-data-session-sent': HA Data Session Sent; 'ha-data-session-rcv': HA Data Session Received; 'ha-data-no-smp': HA Data Session SMP Not Found; 'ha-control-closed': HA New Data Control Session Closed;

'ha-data-exists': HA New Data Session Already Exists; 'ha-extension-failure': HA Conn Extension Failure; 'ha-stream-smp-reused': HA SMP Session Reused; 'ha-stream-smp-acquire-failure': HA SMP Session Acquire Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, streams-created, streams-freed, stream-creation-failure, ports-allocated, ports-freed, port-allocation-failure, unknown-client-port-from-server, data-session-created, data-session-freed, no-session-mem, ha-sent, ha-rcv, smp-inserted, smp-removed, smp-reused, nat-pool-standby, smp-deleted, control-closed, data-session-exists, data-session-creation-failure, rtp-reversed, rtcp-reversed, cross-cpu-sent, cross-cpu-rcv, cross-cpu-no-session, cross-cpu-created, cross-cpu-rcv-failure, data-free-smp-retry-lookup, data-free-smp-not-found, ha-streams-sent, ha-streams-rcv, ha-stream-incompatible, ha-stream-exists, ha-port-allocation-failure, ha-data-session-sent, ha-data-session-rcv, ha-data-no-smp, ha-control-closed, ha-data-exists, ha-extension-failure, ha-stream-smp-reused, ha-stream-smp-acquire-failure, smp-app-type-mismatch

lsn_alg_h323

Specification	
Type	*object*

h323-value

Description 'enable': Enable H323 ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_h323_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'h225ras-message': H323 H225 RAS Message; 'h225cs-message': H323 H225 Call Signaling Message; 'h245ctl-message': H323 H245 Media Control Message; 'h245-tunneled': H323 H245 Tunnelled Message; 'fast-start': H323 FastStart; 'parse-error': Message Parse Error; 'message-cross-multi-packets': H323 Message Cross Multiple

Packets; 'conn-ext-creation-failure': H323 Packet Rewrite Failure; 'rewrite-failure': H323 Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop; 'h245-dynamic-addr-exceed': H323 H245 Dynamic Address Exceed;

Type: string

Supported Values: all, h225ras-message, h225cs-message, h245ctl-message, h245-tunneled, fast-start, parse-error, message-cross-multi-packets, conn-ext-creation-failure, rewrite-failure, tcp-out-of-order-drop, h245-dynamic-addr-exceed

lsn_alg_rtp

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout (default: 5 minutes)}

Type: number

Range: 2-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_tftp

Specification	
Type	*object*

sampling-enable

Type: List

tftp-value

Description 'enable': Enable TFTP ALG for LSN;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

lsn_alg_mgcp

Specification	
Type	*object*

mgcp-value

Description 'enable': Enable MGCP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_alg_mgcp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auep': MGCP AUEP; 'aucx': MGCP AUCX; 'crcx': MGCP CRCX; 'dlcx': MGCP DLCX; 'epcf': MGCP EPCF; 'mdcx': MGCP MDCX; 'ntfy': MGCP NTFY; 'rqnt': MGCP RQNT; 'rsip': MGCP RSIP; 'parse-error': MGCP Message Parse Error; 'conn-ext-creation-failure': MGCP Create Connection Extension Failure; 'third-party-sdp': MGCP

Third-Party SDP; 'sdp-process-candidate-failure': MGCP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': MGCP Operate SDP Failure; 'sdp-alloc-port-map-success': MGCP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': MGCP Alloc SDP Port Map Failure; 'modify-failure': MGCP Message Modify Failure; 'rewrite-failure': MGCP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, auep, aucx, crcx, dlcx, epcf, mdcx, ntfy, rqnt, rsip, parse-error, conn-ext-creation-failure, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop

lsn_inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *lsn_inside_source*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/inside/source*

lsn_inside_source

Specification	
Type	*object*

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_global

Specification	
Type	*object*

attempt-port-preservation

Description 'disable': Don't attempt port preservation for NAT allocation;

Type: string

Supported Values: disable

enhanced-user-tracking

Description Enable enhanced user tracking and visibility (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hairpinning

Description 'filter-none': Allow self-hairpinning (default). Warning: Only applies to UDP. TCP will use filter-self-ip-port; 'filter-self-ip': Block hairpinning to the user's own IP; 'filter-self-ip-port': Block hairpinning to the user's same IP and port combination;

Type: string

Supported Values: filter-none, filter-self-ip, filter-self-ip-port

Default: filter-none

half-close-timeout

Description Set LSN Half close timeout (Half close timeout in seconds (default not set))

Type: number

Range: 2-3000

icmp

Description: icmp is a **JSON Block**. Please see below for *lsn_global_icmp*

Type: Object

inbound-refresh

Description 'disable': Disable NAT Inbound Refresh Behavior;

Type: string

Supported Values: disable

ip-selection

Description 'random': Random (long-run uniformly distributed) NAT IP selection (default); 'round-robin': Round-robin; 'least-used-strict': Fewest NAT ports used; 'least-udp-used-strict': Fewest UDP NAT ports used; 'least-tcp-used-strict': Fewest TCP NAT ports used; 'least-reserved-strict': Fewest NAT ports reserved; 'least-udp-reserved-strict': Fewest UDP NAT ports reserved; 'least-tcp-reserved-strict': Fewest TCP NAT ports reserved; 'least-users-strict': Fewest number of users;

Type: string

Supported Values: random, round-robin, least-used-strict, least-udp-used-strict, least-tcp-used-strict, least-reserved-strict, least-udp-reserved-strict, least-tcp-reserved-strict, least-users-strict

Default: random

logging

Description: logging is a **JSON Block**. Please see below for *lsn_global_logging*

Type: Object

port-batching

Description: port-batching is a **JSON Block**. Please see below for *lsn_global_port-batching*

Type: Object

sampling-enable

Type: List

strictly-sticky-nat

Description Strictly adheres to sticky-nat (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-timeout

Description Set LSN SYN timeout (SYN idle-timeout in seconds (default: 4 seconds))

Type: number

Range: 2-30

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_global_icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

lsn_global_logging

Specification	
Type	*object*

default-template

Description Bind the default NAT logging template for LSN (Bind a NAT logging template)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/logging*

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Refernce Object: */axapi/v3/partition*

pool

Type: List

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

lsn_global_logging_pool

Specification	
Type	*list*
Block object keys	

pool-name

Description NAT pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/nat/pool*

template

Description Bind a NAT logging template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/logging*

lsn_global_port-batching

Specification	
Type	*object*

size

Description '1': Allocate 1 port at a time (default); '8': Allocate 8 ports at a time; '16': Allocate 16 ports at a time; '32': Allocate 32 ports at a time; '64': Allocate 64 ports at a time; '128': Allocate 128 ports at a time; '256': Allocate 256 ports at a time; '512': Allocate 512 ports at a time;

Type: string

Supported Values: 1, 8, 16, 32, 64, 128, 256, 512

Default: 1

tcp-time-wait-interval

Description Minutes before TCP NAT ports can be reused (default: 2)

Type: number

Range: 0-10

Default: 2

lsn_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': Total TCP Ports Freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded': Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched; 'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'ha_nat_pool_batch_type_mismatch': HA NAT Pool Batch Type Mismatch; 'no_radius_profile_match': No RADIUS Profile Match; 'nat_ip_max_tcp_ports_allocated': NAT IP TCP Max Ports Allocated; 'nat_ip_max_udp_ports_allocated': NAT IP UDP Max Ports Allocated; 'no_class_list_match': No Class-List Match; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'fullcone_in_del_q': Full-cone session found in delete queue; 'fullcone_retry_lookup': Full-cone session retry look-up; 'fullcone_not_found': Full-cone session not found; 'nat_port_double_free': NAT Port Double Free; 'nat_port_chunk_freed_from_cpu': NAT Port Chunks Freed From CPU; 'nat_port_freed_from_diff_cpu': NAT Port Freed On Different CPU; 'nat_pool_deleted': NAT Pool Deleted; 'nat_esp_ip_conflicts': LSN NAT ESP IP Conflicts; 'nat_esp_no_control_sesn': LSN NAT ESP No Control Session; 'esp_user_quota_exceeded': ESP User-Quota exceeded; 'udp_alg_user_quota_exceeded': UDP ALG User-Quota exceeded; 'gre_user_quota_exceeded': GRE User-Quota exceeded; 'ha_classlist_mismatch': HA Class-list Mismatch; 'ha_user_quota_mismatch': HA User-Quota Mismatch; 'ha_fullcone_mismatch': HA Full-cone Mismatch; 'ha_port_mismatch': HA Port Mismatch; 'ha_dnat_mismatch': HA Destination NAT Config Mismatch; 'ha_nat_port_unavailable': HA NAT Port Unavailable; 'ha_unknown_nat_ip': HA Unknown NAT IP; 'ha_fullcone_failure': HA Full-cone Session Failure; 'ha_fullcone_create_race_failure':

HA Full-cone Create Race Failure; 'ha_endpoint_indep_map_match': HA Endpoint-independent Matching; 'standby_class_list_drop': HA Standby Class-List drop; 'bad_tuple_nat_ip': Bad NAT IP from tuple; 'bad_smp_tuple_nat_ip': Bad NAT IP from SMP tuple; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'fullcone_overflow_eim': Full-cone Session EIM Overflow; 'full-cone_overflow_eif': Full-cone Session EIF Overflow; 'cross_cpu_helper_created': Cross CPU Session Helper Created; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper NAT Pool Standby; 'cross_cpu_helper_double_add': Cross CPU Helper Double Add Attempt; 'mtu_exceeded': Packet Exceeded MTU; 'frag': Fragmented Packets; 'dslite_tunnel_frag': IPv4 Fragment DS-Lite Packet; 'sixrd_tunnel_frag': IPv6 Fragment IPv6-in-IPv4 Packet; 'frag_icmp': ICMP Packet Too Big Sent; 'frag_tunnel_icmp': DS-Lite ICMP Packet Too Big Sent; 'quota_ext_mem_allocated': Quota Extension Memory Allocated; 'quota_ext_mem_alloc_failure': Quota Extension Out of Memory; 'quota_ext_mem_freed': Quota Extension Memory Freed; 'quota_ext_put_in_del_q': Quota Extension Put in Delete Queue; 'port_batch_num_mismatch': Specific Port Batch Num Ports Mismatch; 'port_batch_interval_mismatch': Specific Port Batch Port Interval Mismatch; 'port_pair_alloc_bad_math': Port Pair Alloc Bad Math; 'free_port_from_quota_no_container': Free Port from Quota No Container; 'free_port_from_quota_no_port_info': Free Port From Quota No Port Info; 'static_nat_cross_cpu_helper_created': Cross CPU Helper Created for Static NAT; 'static_nat_cross_cpu_helper_deleted': Cross CPU Helper Deleted for Static NAT; 'static_nat_cross_cpu_helper_standby': Cross CPU Helper Static NAT Standby; 'static_nat_cross_cpu_helper_cpu_mismatch': Static NAT Cross CPU Helper CPU Mismatch; 'static_nat_cross_cpu_sent': Static NAT Cross CPU Helper Sent; 'static_nat_cross_cpu_rcv': Static NAT Cross CPU Helper Packets Received; 'static_nat_cross_cpu_bad_l3': Static NAT Cross CPU Unsupported L3; 'static_nat_cross_cpu_bad_l4': Static NAT Cross CPU Unsupported L4; 'static_nat_cross_cpu_no_session': Static NAT Cross CPU No Session Found; 'static_nat_cross_cpu_helper_free': Static NAT Cross CPU Helper Free; 'static_nat_cross_cpu_helper_free_retry_lookup': Static NAT Cross CPU Helper Free Retry Lookup; 'static_nat_cross_cpu_helper_free_not_found': Static NAT Cross CPU Helper Free Not Found; 'static_nat_ha_map_mismatch': Static NAT Mapping Mismatch on HA Standby; 'ip_slb_cross_cpu_sent': IP SLB Cross CPU Packets Sent; 'fullcone_force_deleted': Full-cone Session Force Deleted; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created,

data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp, new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, fullcone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, nat_ip_max_tcp_ports_allocated, nat_ip_max_udp_ports_allocated, no_class_list_match, lid_drop, lid_pass_through, fullcone_in_del_q, fullcone_retry_lookup, fullcone_not_found, nat_port_double_free, nat_port_chunk_freed_from_cpu, nat_port_freed_from_diff_cpu, nat_pool_deleted, nat_esp_ip_conflicts, nat_esp_no_control_sesn, esp_user_quota_exceeded, udp_alg_user_quota_exceeded, gre_user_quota_exceeded, ha_classlist_mismatch, ha_user_quota_mismatch, ha_fullcone_mismatch, ha_port_mismatch, ha_dnat_mismatch, ha_nat_port_unavailable, ha_unknown_nat_ip, ha_fullcone_failure, ha_fullcone_create_race_failure, ha_endpoint_indep_map_match, standby_class_list_drop, bad_tuple_nat_ip, bad_smp_tuple_nat_ip, fullcone_inbound_nat_pool_mismatch, fullcone_overflow_eim, fullcone_overflow_eif, cross_cpu_helper_created, cross_cpu_sent, cross_cpu_rcv, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_free, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found, cross_cpu_helper_deleted, cross_cpu_helper_cpu_mismatch, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_double_add, mtu_exceeded, frag, dslite_tunnel_frag, sixrd_tunnel_frag, frag_icmp, frag_tunnel_icmp, quota_ext_mem_allocated, quota_ext_mem_alloc_failure, quota_ext_mem_freed, quota_ext_put_in_del_q, port_batch_num_mismatch, port_batch_interval_mismatch, port_pair_alloc_bad_math, free_port_from_quota_no_container, free_port_from_quota_no_port_info, static_nat_cross_cpu_helper_created, static_nat_cross_cpu_helper_deleted, static_nat_cross_cpu_helper_standby, static_nat_cross_cpu_helper_cpu_mismatch, static_nat_cross_cpu_sent, static_nat_cross_cpu_rcv, static_nat_cross_cpu_bad_l3, static_nat_cross_cpu_bad_l4, static_nat_cross_cpu_no_session, static_nat_cross_cpu_helper_free, static_nat_cross_cpu_helper_free_retry_lookup, static_nat_cross_cpu_helper_free_not_found, static_nat_ha_map_mismatch, ip_slb_cross_cpu_sent, fullcone_force_deleted, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped

counters2

Description 'user_quota_not_found': User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched;

‘nat_port_unavailable_other’: Other NAT Port Unavailable; ‘nat_port_unavailable’: Total NAT Port Unavailable; ‘new_user_resource_unavailable_tcp’: TCP New User NAT Resource Unavailable; ‘new_user_resource_unavailable_udp’: UDP New User NAT Resource Unavailable; ‘new_user_resource_unavailable_icmp’: ICMP New User NAT Resource Unavailable; ‘new_user_resource_unavailable_other’: Other New User NAT Resource Unavailable; ‘total_tcp_allocated_shadow’: Total TCP Ports Allocated; ‘total_tcp_freed_shadow’: Total TCP Ports Freed; ‘total_udp_allocated_shadow’: Total UDP Ports Allocated; ‘total_udp_freed_shadow’: Total UDP Ports Freed; ‘total_icmp_allocated_shadow’: Total ICMP Ports Allocated; ‘total_icmp_freed_shadow’: Total ICMP Ports Freed; ‘udp_alg_no_quota’: UDP ALG User-Quota Not Found; ‘udp_alg_eim_mismatch’: UDP ALG Endpoint-Independent Mapping Mismatch; ‘udp_alg_no_nat_ip’: UDP ALG User-Quota Unknown NAT IP; ‘udp_alg_alloc_failure’: UDP ALG Port Allocation Failure; ‘sip_alg_no_quota’: SIP ALG User-Quota Not Found; ‘sip_alg_quota_inc_failure’: SIP ALG User-Quota Exceeded; ‘sip_alg_no_nat_ip’: SIP ALG Unknown NAT IP; ‘sip_alg_reuse_contact_fullcone’: SIP ALG Reuse Contact Full-cone Session; ‘sip_alg_contact_fullcone_mismatch’: SIP ALG Contact Full-cone Session Mismatch; ‘sip_alg_alloc_contact_port_failure’: SIP ALG Alloc Contact NAT Port Failure; ‘sip_alg_create_contact_fullcone_failure’: SIP ALG Create Contact Full-cone Session Failure; ‘sip_alg_release_contact_port_failure’: SIP ALG Release Contact NAT Port Failure; ‘sip_alg_single_rtp_fullcone’: SIP ALG Single RTP Full-cone Found; ‘sip_alg_single_rtcp_fullcone’: SIP ALG Single RTCP Full-cone Found; ‘sip_alg_rtcp_fullcone_mismatch’: SIP ALG RTCP Full-cone NAT Port Mismatch; ‘sip_alg_reuse_rtp_rtcp_fullcone’: SIP ALG Reuse RTP/RTCP Full-cone Session; ‘sip_alg_alloc_rtp_rtcp_port_failure’: SIP ALG Alloc RTP/RTCP NAT Ports Failure; ‘sip_alg_alloc_single_port_failure’: SIP ALG Alloc Single RTP or RTCP NAT Port Failure; ‘sip_alg_create_single_fullcone_failure’: SIP ALG Create Single RTP or RTCP Full-cone Session Failure; ‘sip_alg_create_rtp_fullcone_failure’: SIP ALG Create RTP Full-cone Session Failure; ‘sip_alg_create_rtcp_fullcone_failure’: SIP ALG Create RTCP Full-cone Session Failure; ‘sip_alg_port_pair_alloc_from_consecutive’: SIP ALG Port Pair Allocated From Consecutive; ‘sip_alg_port_pair_alloc_from_partition’: SIP ALG Port Pair Allocated From Partition; ‘sip_alg_port_pair_alloc_from_pool_port_batch’: SIP ALG Port Pair Allocated From Pool Port Batch; ‘sip_alg_port_pair_alloc_from_quota_consecutive’: SIP ALG Port Pair Allocated From Quota Consecutive; ‘sip_alg_port_pair_alloc_from_quota_partition’: SIP ALG Port Pair Allocated From Quota Partition; ‘sip_alg_port_pair_alloc_from_quota_partition_error’: SIP ALG Port Pair Allocated From Quota Partition Error; ‘sip_alg_port_pair_alloc_from_quota_pool_port_batch’: SIP ALG Port Pair Allocated From Quota Pool Port Batch; ‘sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag’: SIP ALG Port Pair Allocated From Quota Port Batch Version 2 with Frag Free Ports; ‘h323_alg_no_quota’: H323 ALG User-Quota Not Found; ‘h323_alg_quota_inc_failure’: H323 ALG User-Quota Exceeded; ‘h323_alg_no_nat_ip’: H323 ALG Unknown NAT IP; ‘h323_alg_reuse_fullcone’: H323 ALG Reuse Full-cone Session; ‘h323_alg_fullcone_mismatch’: H323 ALG Full-cone Session Mismatch; ‘h323_alg_alloc_port_failure’: H323 ALG Alloc NAT Port Failure; ‘h323_alg_create_fullcone_failure’: H323 ALG Create Full-cone Session Failure; ‘h323_alg_release_port_failure’: H323 ALG Release NAT Port Failure; ‘h323_alg_single_rtp_fullcone’: H323 ALG Single RTP Full-cone Found; ‘h323_alg_single_rtcp_fullcone’: H323 ALG Single RTCP Full-cone Found; ‘h323_alg_rtcp_fullcone_mismatch’: H323 ALG RTCP Full-cone NAT Port Mismatch; ‘h323_alg_reuse_rtp_rtcp_fullcone’: H323 ALG Reuse RTP/RTCP Full-cone Session; ‘h323_alg_alloc_rtp_rtcp_port_failure’: H323 ALG Alloc RTP/RTCP NAT Ports Failure; ‘h323_alg_alloc_single_port_failure’: H323 ALG Alloc Single RTP or RTCP NAT Port Failure; ‘h323_alg_create_single_fullcone_failure’: H323 ALG Create Single RTP or RTCP Full-cone Session Failure; ‘h323_alg_create_rtp_fullcone_failure’: H323 ALG Create RTP Full-cone Session Fail-

ure; 'h323_alg_create_rtcp_fullcone_failure': H323 ALG Create RTCP Full-cone Session Failure; 'h323_alg_port_pair_alloc_from_consecutive': H323 ALG Port Pair Allocated From Consecutive; 'h323_alg_port_pair_alloc_from_partition': H323 ALG Port Pair Allocated From Partition; 'h323_alg_port_pair_alloc_from_pool_port_batch': H323 ALG Port Pair Allocated From Pool Port Batch; 'h323_alg_port_pair_alloc_from_quota_consecutive': H323 ALG Port Pair Allocated From Quota Consecutive; 'h323_alg_port_pair_alloc_from_quota_partition': H323 ALG Port Pair Allocated From Quota Partition; 'h323_alg_port_pair_alloc_from_quota_partition_error': H323 ALG Port Pair Allocated From Quota Partition Error; 'h323_alg_port_pair_alloc_from_quota_pool_port_batch': H323 ALG Port Pair Allocated From Quota Pool Port Batch; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free; 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota; 'quota_extension_remove_not_found': Quota Extension Not Found on Remove; 'ha_sync_port_batch_sent': HA Port Batch Extension Sync Sent; 'ha_sync_port_batch_rcv': HA Port Batch Extension Sync Received; 'ha_send_port_batch_not_found': HA Port Batch Not Found on Sync Send; 'ha_rcv_port_not_in_port_batch': HA Port Not in Port Batch on Sync Rcv; 'bad_port_to_free': Freeing Bad Port; 'consecutive_port_free': Port Freed from Consecutive Pool; 'partition_port_free': Port Freed from Partition; 'pool_port_batch_port_free': Port Freed from Pool Port Batch; 'port_allocated_from_quota_consecutive': Port Allocated from Quota Consecutive; 'port_allocated_from_quota_partition': Port Allocated from Quota Partition; 'port_allocated_from_quota_pool_port_batch': Port Allocated from Quota Pool Port Batch; 'port_freed_from_quota_consecutive': Port Freed from Quota Consecutive; 'port_freed_from_quota_partition': Port Freed from Quota Partition; 'port_freed_from_quota_pool_port_batch': Port Freed from Quota Pool Port Batch; 'port_batch_allocated_to_quota': Port Batch Allocated to Quota; 'port_batch_freed_from_quota': Port Batch Freed From Quota; 'specific_port_allocated_from_quota_consecutive': Specific Port Allocated from Quota Consecutive;

Type: string

Supported Values: user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, fullcone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure,

sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag, h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free, quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive

counters3

Description 'specific_port_allocated_from_quota_partition': Specific Port Allocated from Quota Partition; 'specific_port_allocated_from_quota_pool_port_batch': Specific Port Allocated from Quota Pool Port Batch; 'port_batch_container_alloc_failure': Port Batch Container Alloc Out of Memory; 'port_batch_container_alloc_race_free': Port Batch Container Race Free; 'port_overloading_destination_conflict': Port Overloading Destination Conflict; 'port_overloading_out_of_memory': Port Overloading Out of Memory; 'port_overloading_assign_user': Port Overloading Port Assign User; 'port_overloading_assign_user_port_batch': Port Overloading Port Assign User Port Batch; 'port_overloading_inc': Port Overloading Port Increment; 'port_overloading_dec_on_conflict': Port Overloading Port Decrement on Conflict; 'port_overloading_dec_on_free': Port Overloading Port Decrement on Free; 'port_overloading_free_port_on_conflict': Port Overloading Free Port on Conflict; 'port_overloading_free_port_batch_on_conflict': Port Overloading Free Port Batch on Conflict; 'port_overloading_inc_overflow': Port Overloading Inc Overflow; 'port_overloading_attempt_consecutive_ports': Port Overloading on Consecutive Ports; 'port_overloading_attempt_same_partition': Port Overloading on Same Partition; 'port_overloading_attempt_diff_partition': Port Overloading on Different Partition; 'port_overloading_attempt_failed': Port Overloading Attempt Failed; 'port_overloading_conn_free_retry_lookup': Port Overloading Conn Free Retry Lookup; 'port_overloading_conn_free_not_found': Port Overloading Conn Free Not Found; 'port_overloading_smp_mem_allocated': Port Overloading SMP Session Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading

SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'fullcone_ext_mem_freed': LSN Fullcone Extension Memory Freed; 'fullcone_ext_mem_allocated': LSN Fullcone Extension Memory Allocated; 'fullcone_ext_mem_alloc_failure': LSN Fullcone Extension Memory Allocate Failure; 'fullcone_ext_mem_alloc_init_faulure': LSN Fullcone Extension Initialization Failure; 'fullcone_ext_added': LSN Fullcone Extension Added; 'fullcone_ext_too_many': LSN Fullcone Extension Too Many; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found; 'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive;

'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'cross_cpu_helper_created_eim': EIM Cross CPU Session Helper Created; 'cross_cpu_helper_created_eif': EIF Cross CPU Session Helper Created; 'cross_cpu_helper_created_udp': UDP Cross CPU Session Helper Created; 'cross_cpu_helper_created_tcp': TCP Cross CPU Session Helper Created; 'cross_cpu_helper_created_icmp': ICMP Cross CPU Session Helper Created; 'cross_cpu_helper_created_ip': IP Cross CPU Session Helper Created; 'cross_cpu_helper_free_not_found_ip': IP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_icmp': ICMP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_tcp': TCP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_udp': UDP Cross CPU Helper Free Not Found; 'adc_port_allocation_failed': ADC Port Allocation Failed; 'adc_port_allocation_ineligible': ADC Port Allocation Not Allowed;

Type: string

Supported Values: specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports, port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success, nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, fullcone_ext_mem_freed, fullcone_ext_mem_allocated, fullcone_ext_mem_alloc_failure, fullcone_ext_mem_alloc_init_faulure, fullcone_ext_added, fullcone_ext_too_many, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone,

mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, cross_cpu_helper_created_eim, cross_cpu_helper_created_eif, cross_cpu_helper_created_udp, cross_cpu_helper_created_tcp, cross_cpu_helper_created_icmp, cross_cpu_helper_created_ip, cross_cpu_helper_free_not_found_ip, cross_cpu_helper_free_not_found_icmp, cross_cpu_helper_free_not_found_tcp, cross_cpu_helper_free_not_found_udp, adc_port_allocation_failed, adc_port_allocation_ineligible

counters4

Description 'acl_http_domain_node_exceeded': ACL HTTP Domain Node Exceeded; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP; 'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and

800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000;

Type: string

Supported Values: acl_http_domain_node_exceeded, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others, rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4

lsn_tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *lsn_tcp_mss-clamp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/tcp/mss-clamp*

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *lsn_tcp_reset-on-error*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/tcp/reset-on-error*

lsn_tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS; 'none': No TCP MSS clamping (default);

Type: string

Supported Values: fixed, subtract, none

Default: none

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)},

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_tcp_reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_data-sessions

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_port-reservation-list

Specification	
Type	*list*
Block object keys	

inside

Description Inside User Address and Port Range (Inside User IP address)

Type: string

Format: ipv4-address

inside-port-end

Description Inside End Port

Type: number

Range: 1-65535

inside-port-start

Description Inside Start Port

Type: number

Range: 1-65535

nat

Description NAT IP address

Type: string

Format: ipv4-address

nat-port-end

Description NAT End Port

Type: number

Range: 1-65535

nat-port-start

Description NAT Start Port

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_stun-timeout

Specification	
Type	*object*

tcp-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/stun-timeout/tcp/{port-start}+{port-end}*

udp-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/stun-timeout/udp/{port-start}+{port-end}*

lsn_stun-timeout_udp-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range (Port Range End)

Type: number

Range: 1-65535

port-start

Description Port Range (Port Range Start)

Type: number

Range: 1-65535

timeout

Description STUN timeout in minutes (default: 2 minutes)

Type: number

Range: 0-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_stun-timeout_tcp-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range (Port Range End)

Type: number

Range: 1-65535

port-start

Description Port Range (Port Range Start)

Type: number

Range: 1-65535

timeout

Description STUN timeout in minutes (default: 2 minutes)

Type: number

Range: 0-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_user-quota-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_performance

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_performance_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'data-sessions-current-epoch': data-sessions-current-epoch; 'fullcone-created-current-epoch': fullcone-created-current-epoch; 'user-quote-created-current-epoch': user-quote-created-current-epoch; 'data-sessions-previous-epoch-first': data-sessions-previous-epoch-first; 'fullcone-created-previous-epoch-first': fullcone-created-previous-epoch-first; 'user-quote-created-previous-epoch-first': user-quote-created-previous-epoch-first; 'data-sessions-previous-epoch-last': data-sessions-previous-epoch-last; 'fullcone-created-previous-epoch-last': fullcone-created-previous-epoch-last; 'user-quote-created-previous-epoch-last': user-quote-created-previous-epoch-last;

Type: string

Supported Values: all, data-sessions-current-epoch, fullcone-created-current-epoch, user-quote-created-current-epoch, data-sessions-previous-epoch-first, fullcone-created-previous-epoch-first, user-quote-created-previous-epoch-first, data-sessions-previous-epoch-last, fullcone-created-previous-epoch-last, user-quote-created-previous-epoch-last

lsn_enhanced-user-tracking

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_port-reservation-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_endpoint-independent-filtering

Specification	
Type	*object*

tcp

Description: tcp is a **JSON Block**. Please see below for *lsn_endpoint-independent-filtering_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *lsn_endpoint-independent-filtering_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp*

lsn_endpoint-independent-filtering_udp

Specification	
Type	*object*

port-list

Type: List

session-limit

Description Limit number of EIF sessions that can be created per port

Type: number

Range: 1-65535

Default: 65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_endpoint-independent-filtering_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

lsn_endpoint-independent-filtering_tcp

Specification	
Type	*object*

port-list

Type: List

session-limit

Description Limit number of EIF sessions that can be created per port

Type: number

Range: 1-65535

Default: 65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_endpoint-independent-filtering_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

lsn_per-instance

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp-total-ports-allocated': Total TCP ports allocated; 'udp-total-ports-allocated': Total UDP ports allocated; 'icmp-total-ports-allocated': Total ICMP ports allocated;

Type: string

Supported Values: all, tcp-total-ports-allocated, udp-total-ports-allocated, icmp-total-ports-allocated

translation

Specification	
Type	*object*

icmp-timeout

Description: icmp-timeout is a **JSON Block**. Please see below for *translation_icmp-timeout*

Type: Object

service-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/translation/service-timeout/{service-type}+{port}*

tcp-timeout

Description TCP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

udp-timeout

Description UDP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_service-timeout-list

Specification	
Type	*list*
Block object keys	

fast

Description Use Fast Aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and timeout-val are mutually exclusive

port

Description Port Number

Type: number

Range: 1-65535

port-end

Description End Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

Mutual Exclusion: timeout-val and fast are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_icmp-timeout

Specification	
Type	*object*

fast

Description Use Fast Aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and icmp-timeout-val are mutually exclusive

icmp-timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

Mutual Exclusion: icmp-timeout-val and fast are mutually exclusive

icmp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'icmp-unknown-type': ICMP Unknown Type; 'icmp-no-port-info': ICMP Port Info Not Included; 'icmp-no-session-drop': ICMP No Matching Session Drop; 'icmpv6-unknown-type': ICMPv6 Unknown Type; 'icmpv6-no-port-info': ICMPv6 Port Info Not Included; 'icmpv6-no-session-drop': ICMPv6 No Matching Session Drop; 'icmp-to-icmp': ICMP to ICMP Conversion; 'icmp-to-icmpv6': ICMP to ICMPv6 Conversion; 'icmpv6-to-icmp': ICMPv6 to ICMP Conversion; 'icmpv6-to-icmpv6': ICMPv6 to ICMPv6 Conversion; 'icmp-bad-type': Bad Embedded ICMP Type; 'icmpv6-bad-type': Bad Embedded ICMPv6 Type; '64-known-drop': NAT64 Forward Known ICMPv6 Drop; '64-unknown-drop': NAT64 Forward Unknown ICMPv6 Drop; '64-midpoint-hop': NAT64 Forward Unknown Source Drop; '46-known-drop': NAT64 Reverse Known ICMP Drop; '46-unknown-drop': NAT64 Reverse Known ICMPv6 Drop; '46-no-prefix-for-ipv4': NAT64 Reverse No Prefix Match for IPv4; '46-bad-encap-ip-header-len': 4to6 Bad Encapsulated IP Header Length; 'icmp-to-icmp-err': ICMP to ICMP Conversion Error; 'icmp-to-icmpv6-err': ICMP to ICMPv6 Conversion Error; 'icmpv6-to-icmp-err': ICMPv6 to ICMP Conversion Error; 'icmpv6-to-icmpv6-err': ICMPv6 to ICMPv6 Conversion Error; 'encap-cross-cpu-no-match': ICMP Embedded Cross CPU No Matching Session; 'encap-cross-cpu-preprocess-err': ICMP Embedded Cross CPU Preprocess Error; 'icmp-to-icmp-unknown-l4': ICMP Embedded Unknown L4 Protocol; 'icmp-to-icmpv6-unknown-l4': ICMP to ICMPv6 Embedded Unknown L4 Protocol; 'icmpv6-to-icmp-unknown-l4': ICMPv6 to ICMP Embedded Unknown L4 Protocol; 'icmpv6-to-icmpv6-unknown-l4': ICMPv6 to ICMPv6 Embedded Unknown L4 Protocol; 'static-nat': ICMP Static NAT; 'echo-to-pool-reply': Ping to Pool Reply; 'echo-to-pool-drop': Ping to Pool Drop; 'error-to-pool-drop': Error to Pool Drop; 'echo-to-pool-reply-v6': Ping6 to Pool Reply; 'echo-to-pool-drop-v6': Ping6 to Pool Drop; 'error-to-pool-drop-v6': Error to IPv6 Pool Drop;

Type: string

Supported Values: all, icmp-unknown-type, icmp-no-port-info, icmp-no-session-drop, icmpv6-unknown-type, icmpv6-no-port-info, icmpv6-no-session-drop, icmp-to-icmp, icmp-to-icmpv6, icmpv6-to-icmp, icmpv6-to-icmpv6, icmp-bad-type, icmpv6-bad-type, 64-known-drop, 64-unknown-drop, 64-midpoint-hop, 46-known-drop, 46-unknown-drop, 46-no-prefix-for-ipv4, 46-bad-encap-ip-header-len, icmp-to-icmp-err, icmp-to-icmpv6-err, icmpv6-to-icmp-err, icmpv6-to-icmpv6-err, encap-cross-cpu-no-match, encap-cross-cpu-preprocess-err, icmp-to-icmp-unknown-l4, icmp-to-icmpv6-unknown-l4, icmpv6-to-icmp-unknown-l4, icmpv6-to-icmpv6-unknown-l4, static-nat, echo-to-pool-reply, echo-to-pool-drop, error-to-pool-drop, echo-to-pool-reply-v6, echo-to-pool-drop-v6, error-to-pool-drop-v6, error-ip-mismatch

port-batch-v1

Specification	
Type	*object*

enable-port-batch-v1

Description Enable lsn port-batching v1 (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pcp

Specification	
Type	*object*

default-template

Description Bind the default template for PCP (Bind a PCP template)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pcp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-rcv': Packets Received; 'lsn-map-process-success': PCP MAP Request Processing Success (NAT44); 'dslite-map-process-success': PCP MAP Request Processing Success (DS-Lite); 'nat64-map-process-success': PCP MAP Request Processing Success (NAT64); 'lsn-peer-process-success': PCP PEER Request Processing Success (NAT44); 'dslite-peer-process-success': PCP PEER Request Processing Success (DS-Lite); 'nat64-peer-process-success': PCP PEER Request Processing Success (NAT64); 'lsn-announce-process-success': PCP ANNOUNCE Request Processing Success (NAT44); 'dslite-announce-process-success': PCP ANNOUNCE Request Processing Success (DS-Lite); 'nat64-announce-process-success': PCP ANNOUNCE Request Processing Success (NAT64); 'pkt-not-request-drop': Packet Not a PCP Request; 'pkt-too-short-drop': Packet Too Short; 'noroute-drop': Response No Route; 'unsupported-version': Unsupported PCP version; 'not-authorized': PCP Request Not Authorized; 'malform-request': PCP Request Malformed; 'unsupp-opcode': Unsupported PCP Opcode; 'unsupp-option': Unsupported PCP Option; 'malform-option': PCP Option Malformed; 'no-resources': No System or NAT Resources; 'unsupp-protocol': Unsupported Mapping Protocol; 'user-quota-exceeded': User Quota Exceeded; 'cannot-provide-suggest': Cannot Provide Suggested Port When PREFER_FAILURE; 'address-mismatch': PCP Client Address Mismatch; 'excessive-remote-peers': Excessive Remote Peers; 'pkt-not-from-nat-inside': Packet Dropped For Not Coming From NAT Inside; 'l4-process-error': L3/L4 Process Error; 'internal-error-drop': Internal Error; 'unsol_ance_sent_succ': Unsolicited Announce Sent; 'unsol_ance_sent_fail': Unsolicited Announce Send Failure; 'ha_sync_epoch_sent': HA Sync PCP Epoch Sent; 'ha_sync_epoch_rcv': HA Sync PCP Epoch Recv; 'fullcone-ext-alloc': PCP Fullcone Extension Alloc; 'fullcone-ext-free': PCP Fullcone Extension Free; 'fullcone-ext-alloc-failure': PCP Fullcone Extension Alloc Failure; 'fullcone-ext-notfound': PCP Fullcone Extension Not Found; 'fullcone-ext-reuse': PCP Fullcone Extension Reuse; 'client-nonce-mismatch': PCP Client Nonce Mismatch; 'map-filter-set': PCP MAP Filter Set; 'map-filter-deny': PCP MAP Filter Deny Inbound;

Type: string

Supported Values: all, packets-rcv, lsn-map-process-success, dslite-map-process-success, nat64-map-process-success, lsn-peer-process-success, dslite-peer-process-success, nat64-peer-process-success, lsn-announce-process-success, dslite-announce-process-success, nat64-announce-process-success, pkt-not-request-drop, pkt-too-short-drop, noroute-drop, unsupported-version, not-authorized, malform-request, unsupp-opcode, unsupp-option, malform-option, no-resources, unsupp-protocol, user-quota-exceeded, cannot-provide-suggest, address-mismatch, excessive-remote-peers, pkt-not-from-nat-inside, l4-process-error, internal-error-drop, unsol_ance_sent_succ, unsol_ance_sent_fail, ha_sync_epoch_sent, ha_sync_epoch_rcv, fullcone-ext-alloc, fullcone-ext-free, fullcone-ext-alloc-failure, fullcone-ext-notfound, fullcone-ext-reuse, client-nonce-mismatch, map-filter-set, map-filter-deny, inter-board-pkts

fixed-nat

Specification	
Type	*object*

alg

Description: alg is a **JSON Block**. Please see below for *fixed-nat_alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg*

disable

Description: disable is a **JSON Block**. Please see below for *fixed-nat_disable*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/disable*

disabled-config

Description: disabled-config is a **JSON Block**. Please see below for *fixed-nat_disabled-config*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/disabled-config*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *fixed-nat_full-cone-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *fixed-nat_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/global*

histogram

Description: histogram is a **JSON Block**. Please see below for *fixed-nat_histogram*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/histogram*

inside

Description: inside is a **JSON Block**. Please see below for *fixed-nat_inside*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside*

per-instance

Description: per-instance is a **JSON Block**. Please see below for *fixed-nat_per-instance*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/per-instance*

port-mapping

Description: port-mapping is a **JSON Block**. Please see below for *fixed-nat_port-mapping*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/port-mapping*

port-mapping-files

Description: port-mapping-files is a **JSON Block**. Please see below for *fixed-nat_port-mapping-files*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/port-mapping-files*

user-quota

Description: user-quota is a **JSON Block**. Please see below for *fixed-nat_user-quota*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/user-quota*

fixed-nat_port-mapping

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg

Specification	
Type	*object*

esp

Description: esp is a **JSON Block**. Please see below for *fixed-nat_alg_esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *fixed-nat_alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *fixed-nat_alg_h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *fixed-nat_alg_mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *fixed-nat_alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *fixed-nat_alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *fixed-nat_alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *fixed-nat_alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/tftp*

fixed-nat_alg_ftp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg_ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'port-requests': PORT Requests From Client; 'eprt-requests': EPRT Requests From Client; 'lprt-requests': LPRT Requests From Client; 'pasv-replies': PASV Replies From Server; 'epsv-replies': EPSV Replies From Server; 'lpsv-replies': LPSV Replies From Server; 'port-retransmits': Port Mode Request Retransmits; 'pasv-retransmits': Passive Mode Reply Retransmits; 'port-helper-created': Port Mode Helper Created; 'pasv-helper-created': Passive Mode Helper Created; 'port-helper-freed': Port Mode Helper Freed; 'pasv-helper-freed': Passive Mode Helper Freed; 'port-helper-unused': Port Mode Helper Unused; 'pasv-helper-unused': Passive Mode Helper Unused; 'port-helper-creation-failure': Port Helper Creation Failure; 'pasv-helper-creation-failure': Passive Helper Creation Failure; 'get-conn-ext-failure': Get Conn Extension Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, port-requests, eprt-requests, lprt-requests, pasv-replies, epsv-replies, lpsv-replies, port-retransmits, pasv-retransmits, port-helper-created, pasv-helper-created, port-helper-freed, pasv-helper-freed, port-helper-unused, pasv-helper-unused, port-helper-creation-failure, pasv-helper-creation-failure, get-conn-ext-failure, smp-app-type-mismatch

fixed-nat_alg_sip

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg_sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'method-register': SIP Method REGISTER; 'method-invite': SIP Method INVITE; 'method-ack': SIP Method ACK; 'method-cancel': SIP Method CANCEL; 'method-bye': SIP Method BYE; 'method-options': SIP Method OPTIONS; 'method-prack': SIP Method PRACK; 'method-subscribe': SIP Method SUBSCRIBE; 'method-notify': SIP Method NOTIFY; 'method-publish': SIP Method PUBLISH; 'method-info': SIP Method INFO; 'method-refer': SIP Method REFER; 'method-message': SIP Method MESSAGE; 'method-update': SIP Method UPDATE; 'method-unknown': SIP Method UNKNOWN; 'parse-error': SIP Message Parse Error; 'req-uri-op-failrue': SIP Operate Request Uri Failure; 'via-hdr-op-failrue': SIP Operate Via Header Failure; 'contact-hdr-op-failrue': SIP Operate Contact Header Failure; 'from-hdr-op-failrue': SIP Operate From Header Failure; 'to-hdr-op-failrue': SIP Operate To Header Failure; 'route-hdr-op-failrue': SIP Operate Route Header Failure; 'record-route-hdr-op-failrue': SIP Operate Record-Route Header Failure; 'content-length-hdr-op-failrue': SIP Operate Content-Length Failure; 'third-party-registration': SIP Third-Party Registration; 'conn-ext-creation-failure': SIP Create Connection Extension Failure; 'alloc-contact-port-failure': SIP Alloc Contact Port Failure; 'outside-contact-port-mismatch': SIP Outside Contact Port Mismatch NAT Port; 'inside-contact-port-mismatch': SIP Inside Contact Port Mismatch; 'third-party-sdp': SIP Third-Party SDP; 'sdp-process-candidate-failure': SIP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': SIP Operate SDP Failure; 'sdp-alloc-port-map-success': SIP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': SIP Alloc SDP Port Map Failure; 'modify-failure': SIP Message Modify Failure; 'rewrite-failure': SIP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error,

req-uri-op-failrue, via-hdr-op-failrue, contact-hdr-op-failrue, from-hdr-op-failrue, to-hdr-op-failrue, route-hdr-op-failrue, record-route-hdr-op-failrue, content-length-hdr-op-failrue, third-party-registration, conn-ext-creation-failure, alloc-contact-port-failure, outside-contact-port-mismatch, inside-contact-port-mismatch, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop, smp-conn-alloc-failure, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

fixed-nat_alg_esp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg_esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, placeholder-debug

fixed-nat_alg_pptp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'mismatched-pns-call-id': Mismatched PNS Call ID; 'gre-sessions-created': GRE Sessions Created; 'gre-sessions-freed': GRE Sessions Freed; 'no-gre-session-match': No Matching GRE Session; 'smp-sessions-created': SMP Sessions Created; 'smp-sessions-freed': SMP Sessions Freed; 'smp-session-creation-failure': SMP Session Creation Failures; 'extension-creation-failure': Extension Creation Failures; 'ha-sent': HA Info Sent; 'ha-rcv': HA Info Received; 'ha-no-mem': HA Memory Allocation Failure; 'ha-conflict': HA Call ID Conflicts; 'ha-overwrite': HA Call ID Overwrites; 'ha-call-sent': HA Call Sent; 'ha-call-rcv': HA Call Received; 'ha-smp-conflict': HA SMP Conflicts; 'ha-smp-in-del-q': HA SMP Deleted; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, calls-established, mismatched-pns-call-id, gre-sessions-created, gre-sessions-freed, no-gre-session-match, smp-sessions-created, smp-sessions-freed, smp-session-creation-failure, extension-creation-failure, ha-sent, ha-rcv, ha-no-mem, ha-conflict, ha-overwrite, ha-call-sent, ha-call-rcv, ha-smp-conflict, ha-smp-in-del-q, smp-app-type-mismatch, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-retransmit-wrong-control, call-reply-retransmit-acquired, call-reply-ext-alloc-failure, smp-client-call-id-mismatch, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

fixed-nat_alg_rtsp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg_rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'streams-created': Streams Created; 'streams-freed': Streams Freed; 'stream-creation-failure': Stream Creation Failures; 'ports-allocated': Stream Client Ports Allocated; 'ports-freed': Stream Client Ports Freed; 'port-allocation-failure': Stream Client Port Allocation Failures; 'unknown-client-port-from-server': Server Replies With Unknown Client Ports; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'no-session-mem': Data Session Creation Failures; 'smp-inserted': SMP Session Inserted; 'smp-removed': SMP Session Removed; 'smp-reused': SMP Session Reused; 'fixed-nat-lid-standby': New Session Fixed NAT LID Standby; 'smp-deleted': New Session SMP Already Deleted; 'control-closed': New Session Closed; 'data-session-exists': New Session Already Exists; 'data-session-creation-failure': New Data Session Creation Failure; 'rtp-reversed': RTP Reverse Creation; 'rtcp-reversed': RTCP Reverse Creation; 'cross-cpu-sent': Cross CPU Sent; 'cross-cpu-rcv': Cross CPU Received; 'cross-cpu-no-session': Cross CPU No Session Found; 'cross-cpu-created': Cross CPU Creation; 'cross-cpu-rcv-failure': Cross CPU Receive Failure; 'data-free-smp-retry-lookup': Data Session Free SMP Retry Lookup; 'data-free-smp-not-found': Data Session Free SMP Not Found; 'ha-streams-sent': HA Streams Sent; 'ha-streams-rcv': HA Streams Received; 'ha-stream-incompatible': HA Incompatible Streams Received; 'ha-stream-exists': HA Stream Already Exists; 'ha-port-allocation-failure': HA Stream Port Allocation Failure; 'ha-data-session-sent': HA Data Session Sent; 'ha-data-session-rcv': HA Data Session Received; 'ha-data-no-smp': HA Data Session SMP Not Found; 'ha-control-closed': HA New Data Control Session Closed; 'ha-data-exists': HA New Data Session Already Exists; 'ha-extension-failure': HA Conn Extension Failure; 'ha-stream-smp-reused': HA SMP Session Reused; 'ha-stream-smp-acquire-failure': HA SMP Session Acquire Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, streams-created, streams-freed, stream-creation-failure, ports-allocated, ports-freed, port-allocation-failure, unknown-client-port-from-server, data-session-created, data-session-freed, no-session-mem, smp-inserted, smp-removed, smp-reused, fixed-nat-lid-standby, smp-deleted, control-closed, data-session-exists, data-session-creation-failure, rtp-reversed, rtcp-reversed, cross-cpu-sent, cross-cpu-rcv, cross-cpu-no-session, cross-cpu-created, cross-cpu-rcv-failure, data-free-smp-retry-lookup, data-free-smp-not-found, ha-streams-sent, ha-streams-rcv, ha-stream-incompatible, ha-stream-exists, ha-port-allocation-failure, ha-data-session-sent, ha-data-session-rcv, ha-data-no-smp, ha-control-closed, ha-data-exists, ha-extension-failure, ha-stream-smp-reused, ha-stream-smp-acquire-failure, smp-app-type-mismatch

fixed-nat_alg_h323

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg_h323_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'h225ras-message': H323 H225 RAS Message; 'h225cs-message': H323 H225 Call Signaling Message; 'h245ctl-message': H323 H245 Media Control Message; 'h245-tunneled': H323 H245 Tunnelled Message; 'fast-start': H323 FastStart; 'parse-error': Message Parse Error; 'message-cross-multi-packets': H323 Message Cross Multiple Packets; 'conn-ext-creation-failure': H323 Packet Rewrite Failure; 'rewrite-failure': H323 Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop; 'h245-dynamic-addr-exceed': H323 H245 Dynamic Address Exceed;

Type: string

Supported Values: all, h225ras-message, h225cs-message, h245ctl-message, h245-tunneled, fast-start, parse-error, message-cross-multi-packets, conn-ext-creation-failure, rewrite-failure, tcp-out-of-order-drop, h245-dynamic-addr-exceed

fixed-nat_alg_tftp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg_tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

fixed-nat_alg_mgcp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_alg_mgcp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auep': MGCP AUEP; 'aucx': MGCP AUCX; 'crcx': MGCP CRCX; 'dlcx': MGCP DLCX; 'epcf': MGCP EPCF; 'mdcx': MGCP MDCX; 'ntfy': MGCP NTFY; 'rqnt': MGCP RQNT; 'rsip': MGCP RSIP; 'parse-error': MGCP Message Parse Error; 'conn-ext-creation-failure': MGCP Create Connection Extension Failure; 'third-party-sdp': MGCP Third-Party SDP; 'sdp-process-candidate-failure': MGCP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': MGCP Operate SDP Failure; 'sdp-alloc-port-map-success': MGCP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': MGCP Alloc SDP Port Map Failure; 'modify-failure': MGCP Message Modify Failure; 'rewrite-failure': MGCP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, auep, aucx, crcx, dlcx, epcf, mdcx, ntfy, rqnt, rsip, parse-error, conn-ext-creation-failure, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop

fixed-nat_inside

Specification	
Type	*object*

iplist-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/iplist/{inside-ip-list}+{partition}*

ipv4address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/ipv4address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}*

ipv6address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/ipv6address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}*

fixed-nat_inside_iplist-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-ip-list

Description Name of IP List used to specify Inside Users

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv4 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *fixed-nat_inside_iplist-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *fixed-nat_inside_iplist-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

fixed-nat_inside_iplist-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

fixed-nat_inside_iplist-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

fixed-nat_inside_ipv4address-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-end-address

Description IPv4 Inside User End Address

Type: string

Format: ipv4-address

inside-netmask

Description IPv4 Netmask

Type: string

Format: ipv4-netmask-brief

inside-start-address

Description IPv4 Inside User Start Address

Type: string

Format: ipv4-address

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv4 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *fixed-nat_inside_ipv4address-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *fixed-nat_inside_ipv4address-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

fixed-nat_inside_ipv4address-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

fixed-nat_inside_ipv4address-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

fixed-nat_inside_ipv6address-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-end-address

Description IPv6 Inside User End Address

Type: string

Format: ipv6-address

inside-netmask

Description Inside User IPv6 Netmask

Type: number

Range: 64-128

inside-start-address

Description IPv6 Inside User Start Address

Type: string

Format: ipv6-address

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv6 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *fixed-nat_inside_ipv6address-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *fixed-nat_inside_ipv6address-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

fixed-nat_inside_ipv6address-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

fixed-nat_inside_ipv6address-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

fixed-nat_global

Specification	
Type	*object*

create-port-mapping-file

Description Create Port Mapping File

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-mapping-files-count

Description Number of old fixed_nat files to store

Type: number

Range: 1-10

Default: 5

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-nat-in-use': Total NAT Addresses in-use; 'total-tcp-allocated': Total TCP Ports Allocated; 'total-tcp-freed': Total TCP Ports Freed; 'total-udp-allocated': Total UDP Ports Allocated; 'total-udp-freed': Total UDP Ports Freed; 'total-icmp-allocated': Total ICMP Ports Allocated; 'total-icmp-freed': Total ICMP Ports Freed; 'nat44-data-session-created': NAT44 Data Sessions Created; 'nat44-data-session-freed': NAT44 Data Sessions Freed; 'nat64-data-session-created': NAT64 Data Sessions Created; 'nat64-data-session-freed': NAT64 Data Sessions Freed; 'dslite-data-session-created': DS-Lite Data Sessions Created; 'dslite-data-session-freed': DS-Lite Data Sessions Freed; 'nat-port-unavailable-tcp': TCP NAT Port Unavailable; 'nat-port-unavailable-udp': UDP NAT Port Unavailable; 'nat-port-unavailable-icmp': ICMP NAT Port Unavailable; 'session-user-quota-exceeded': Sessions User Quota Exceeded; 'nat44-tcp-fullcone-created': NAT44 TCP

Full-Cone Created; 'nat44-tcp-fullcone-freed': NAT44 TCP Full-Cone Freed; 'nat44-udp-fullcone-created': NAT44 UDP Full-Cone Created; 'nat44-udp-fullcone-freed': NAT44 UDP Full-Cone Freed; 'nat44-udp-alg-fullcone-created': NAT44 UDP ALG Full-Cone Created; 'nat44-udp-alg-fullcone-freed': NAT44 UDP ALG Full-Cone Freed; 'nat64-tcp-fullcone-created': NAT64 TCP Full-Cone Created; 'nat64-tcp-fullcone-freed': NAT64 TCP Full-Cone Freed; 'nat64-udp-fullcone-created': NAT64 UDP Full-Cone Created; 'nat64-udp-fullcone-freed': NAT64 UDP Full-Cone Freed; 'nat64-udp-alg-fullcone-created': NAT64 UDP ALG Full-Cone Created; 'nat64-udp-alg-fullcone-freed': NAT64 UDP ALG Full-Cone Freed; 'dslite-tcp-fullcone-created': DS-Lite TCP Full-Cone Created; 'dslite-tcp-fullcone-freed': DS-Lite TCP Full-Cone Freed; 'dslite-udp-fullcone-created': DS-Lite UDP Full-Cone Created; 'dslite-udp-fullcone-freed': DS-Lite UDP Full-Cone Freed; 'dslite-udp-alg-fullcone-created': DS-Lite UDP ALG Full-Cone Created; 'dslite-udp-alg-fullcone-freed': DS-Lite UDP ALG Full-Cone Freed; 'fullcone-failure': Full-Cone Session Creation Failed; 'nat44-eim-match': NAT44 Endpoint-Independent-Mapping Matched; 'nat64-eim-match': NAT64 Endpoint-Independent-Mapping Matched; 'dslite-eim-match': DS-Lite Endpoint-Independent-Mapping Matched; 'nat44-eif-match': NAT44 Endpoint-Independent-Filtering Matched; 'nat64-eif-match': NAT64 Endpoint-Independent-Filtering Matched; 'dslite-eif-match': DS-Lite Endpoint-Independent-Filtering Matched; 'nat44-inbound-filtered': NAT44 Endpoint-Dependent Filtering Drop; 'nat64-inbound-filtered': NAT64 Endpoint-Dependent Filtering Drop; 'dslite-inbound-filtered': DS-Lite Endpoint-Dependent Filtering Drop; 'nat44-eif-limit-exceeded': NAT44 Endpoint-Independent-Filtering Limit Exceeded; 'nat64-eif-limit-exceeded': NAT64 Endpoint-Independent-Filtering Limit Exceeded; 'dslite-eif-limit-exceeded': DS-Lite Endpoint-Independent-Filtering Limit Exceeded; 'nat44-hairpin': NAT44 Hairpin Session Created; 'nat64-hairpin': NAT64 Hairpin Session Created; 'dslite-hairpin': DS-Lite Hairpin Session Created; 'standby-drop': Fixed NAT LID Standby Drop; 'fixed-nat-fullcone-self-hairpinning-drop': Self-Hairpinning Drop; '6rd-drop': Fixed NAT IPv6 in IPv4 Packet Drop; 'dest-rlist-drop': Fixed NAT Dest Rule List Drop; 'dest-rlist-pass-through': Fixed NAT Dest Rule List Pass-Through; 'dest-rlist-snat-drop': Fixed NAT Dest Rules List Source NAT Drop; 'cross-cpu-helper-created': Cross CPU Helper Session Created; 'cross-cpu-helper-free-retry-lookup': Cross CPU Helper Session Free Retry Lookup; 'cross-cpu-helper-free-not-found': Cross CPU Helper Session Free not Found; 'cross-cpu-helper-free': Cross CPU Helper Session Freed; 'cross-cpu-rcv': Cross CPU Helper Packets Received; 'cross-cpu-bad-l3': Cross CPU Unsupported L3; 'cross-cpu-bad-l4': Cross CPU Unsupported L4; 'cross-cpu-no-session': Cross CPU no Session Found; 'cross-cpu-helper-deleted': Cross CPU Helper Session Deleted; 'cross-cpu-helper-fixed-nat-lid-standby': Cross CPU Helper Fixed NAT LID Standby; 'cross-cpu-helper-cpu-mismatch': Cross CPU Helper CPU Mismatch; 'cross-cpu-sent': Cross CPU Helper Packets Sent; 'lid-not-enabled': Fixed NAT LID not Enabled; 'fullcone-in-del-q': Full-Cone Session in Delete Queue; 'fullcone-overflow': Fell-Cone Session Conn-Count Overflow; 'fullcone-inbound-idx-mismatch': Full-Cone Session Fixed NAT LID mismatch; 'fullcone-retry-lookup': Full-cone session retry look-up; 'fullcone-not-found': Full-cone session not found; 'fullcone-overflow-eim': Full-cone EIM Overflow; 'fullcone-overflow-eif': Full-cone EIF Overflow; 'ha-config-mismatch': HA Fixed NAT Config Mismatch; 'ha-user-quota-exceeded': HA User Quota Exceeded; 'ha-fullcone-mismatch': HA Full-Cone Mismatch; 'ha-dnat-mismatch': HA Destination NAT Config Mismatch; 'ha-nat-port-unavailable': HA NAT Port Unavailable; 'ha-fullcone-failure': HA Full-Cone Failure; 'ha-endpoint-indep-map-match': HA Endpoint-Independent-Mapping Match; 'udp-alg-eim-mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp-alg-no-nat-ip': UDP ALG User-Quota Unknown NAT IP; 'udp-alg-alloc-failure': UDP ALG Port Allocation Failure; 'mtu-exceeded': Packet Exceeded MTU; 'frag': Fragmented Packets; 'frag-icmp': ICMP Packet Too Big Sent; 'periodic-log-msg-alloc': Fixed NAT Periodic Log Msg Allocated; 'periodic-log-msg-free': Fixed NAT Periodic Log Msg Freed; 'disable-log-msg-alloc': Fixed NAT Disable Log Msg Allocated; 'disable-log-msg-free': Fixed NAT Disable Log Msg Freed; 'sip-alg-reuse-contact-fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip-alg-contact-fullcone-mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip-alg-

create-contact-fullcone-failure': SIP ALG Create Contact Full-cone Session Failure; 'sip-alg-single-rtp-fullcone': SIP ALG Single RTP Full-cone Found; 'sip-alg-rtcp-fullcone-mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip-alg-reuse-rtp-rtcp-fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip-alg-single-rtcp-fullcone': SIP ALG Single RTCP Full-cone Found; 'sip-alg-create-rtp-fullcone-failure': SIP ALG Create RTP Full-cone Session Failure; 'sip-alg-create-rtcp-fullcone-failure': SIP ALG Create RTCP Full-cone Session Failure; 'icmp-out-of-state-uqe-admin-filtered-sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp-out-of-state-uqe-host-unreachable-sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp-out-of-state-uqe-dropped': Total User Queue Exceeded ICMP notification dropped; 'nat-esp-ip-conflicts': Fixed NAT ESP IP Conflicts; 'total-tcp-allocated-shadow': Total TCP Ports Allocated; 'total-tcp-freed-shadow': Total TCP Ports Freed; 'total-udp-allocated-shadow': Total UDP Ports Allocated; 'total-udp-freed-shadow': Total UDP Ports Freed; 'total-icmp-allocated-shadow': Total ICMP Ports Allocated; 'total-icmp-freed-shadow': Total ICMP Ports Freed; 'nat44-data-session-created-shadow': NAT44 Data Sessions Created; 'nat44-data-session-freed-shadow': NAT44 Data Sessions Freed; 'nat64-data-session-created-shadow': NAT64 Data Sessions Created; 'nat64-data-session-freed-shadow': NAT64 Data Sessions Freed; 'dslite-data-session-created-shadow': DS-Lite Data Sessions Created; 'dslite-data-session-freed-shadow': DS-Lite Data Sessions Freed; 'nat44-tcp-fullcone-created-shadow': NAT44 TCP Full-Cone Created; 'nat44-tcp-fullcone-freed-shadow': NAT44 TCP Full-Cone Freed; 'nat44-udp-fullcone-created-shadow': NAT44 UDP Full-Cone Created; 'nat44-udp-fullcone-freed-shadow': NAT44 UDP Full-Cone Freed; 'nat44-udp-alg-fullcone-created-shadow': NAT44 UDP ALG Full-Cone Created;

Type: string

Supported Values: all, total-nat-in-use, total-tcp-allocated, total-tcp-freed, total-udp-allocated, total-udp-freed, total-icmp-allocated, total-icmp-freed, nat44-data-session-created, nat44-data-session-freed, nat64-data-session-created, nat64-data-session-freed, dslite-data-session-created, dslite-data-session-freed, nat-port-unavailable-tcp, nat-port-unavailable-udp, nat-port-unavailable-icmp, session-user-quota-exceeded, nat44-tcp-fullcone-created, nat44-tcp-fullcone-freed, nat44-udp-fullcone-created, nat44-udp-fullcone-freed, nat44-udp-alg-fullcone-created, nat44-udp-alg-fullcone-freed, nat64-tcp-fullcone-created, nat64-tcp-fullcone-freed, nat64-udp-fullcone-created, nat64-udp-fullcone-freed, nat64-udp-alg-fullcone-created, nat64-udp-alg-fullcone-freed, dslite-tcp-fullcone-created, dslite-tcp-fullcone-freed, dslite-udp-fullcone-created, dslite-udp-fullcone-freed, dslite-udp-alg-fullcone-created, dslite-udp-alg-fullcone-freed, fullcone-failure, nat44-eim-match, nat64-eim-match, dslite-eim-match, nat44-eif-match, nat64-eif-match, dslite-eif-match, nat44-inbound-filtered, nat64-inbound-filtered, dslite-inbound-filtered, nat44-eif-limit-exceeded, nat64-eif-limit-exceeded, dslite-eif-limit-exceeded, nat44-hairpin, nat64-hairpin, dslite-hairpin, standby-drop, fixed-nat-fullcone-self-hairpinning-drop, sixrd-drop, dest-rlist-drop, dest-rlist-pass-through, dest-rlist-snat-drop, cross-cpu-helper-created, cross-cpu-helper-free-retry-lookup, cross-cpu-helper-free-not-found, cross-cpu-helper-free, cross-cpu-rcv, cross-cpu-bad-l3, cross-cpu-bad-l4, cross-cpu-no-session, cross-cpu-helper-deleted, cross-cpu-helper-fixed-nat-lid-standby, cross-cpu-helper-cpu-mismatch, cross-cpu-sent, config-not-found, fullcone-in-del-q, fullcone-overflow, fullcone-inbound-idx-mismatch, fullcone-retry-lookup, fullcone-not-found, fullcone-overflow-eim, fullcone-overflow-eif, ha-config-mismatch, ha-user-quota-exceeded, ha-fullcone-mismatch, ha-dnat-mismatch, ha-nat-port-unavailable, ha-fullcone-failure, ha-endpoint-indep-map-match, udp-alg-eim-mismatch, udp-alg-no-nat-ip, udp-alg-alloc-failure, mtu-exceeded, frag, frag-icmp, periodic-log-msg-alloc, periodic-log-msg-free, disable-log-msg-alloc, disable-log-msg-free, sip-alg-reuse-contact-fullcone, sip-alg-contact-fullcone-mismatch, sip-alg-create-contact-fullcone-failure, sip-alg-single-rtp-fullcone, sip-alg-rtcp-fullcone-mismatch, sip-alg-reuse-rtp-rtcp-fullcone, sip-alg-single-rtcp-fullcone, sip-alg-create-rtp-fullcone-failure, sip-alg-create-rtcp-fullcone-failure, icmp-out-of-state-uqe-admin-filtered-sent, icmp-out-of-state-uqe-host-unreachable-sent, icmp-out-of-state-uqe-dropped, nat-esp-ip-conflicts, total-tcp-allocated-shadow, total-tcp-freed-shadow,

total-udp-allocated-shadow, total-udp-freed-shadow, total-icmp-allocated-shadow, total-icmp-freed-shadow, nat44-data-session-created-shadow, nat44-data-session-freed-shadow, nat64-data-session-created-shadow, nat64-data-session-freed-shadow, dslite-data-session-created-shadow, dslite-data-session-freed-shadow, nat44-tcp-fullcone-created-shadow, nat44-tcp-fullcone-freed-shadow, nat44-udp-fullcone-created-shadow, nat44-udp-fullcone-freed-shadow, nat44-udp-alg-fullcone-created-shadow

counters2

Description 'nat44-udp-alg-fullcone-freed-shadow': NAT44 UDP ALG Full-Cone Freed; 'nat64-tcp-fullcone-created-shadow': NAT64 TCP Full-Cone Created; 'nat64-tcp-fullcone-freed-shadow': NAT64 TCP Full-Cone Freed; 'nat64-udp-fullcone-created-shadow': NAT64 UDP Full-Cone Created; 'nat64-udp-fullcone-freed-shadow': NAT64 UDP Full-Cone Freed; 'nat64-udp-alg-fullcone-created-shadow': NAT64 UDP ALG Full-Cone Created; 'nat64-udp-alg-fullcone-freed-shadow': NAT64 UDP ALG Full-Cone Freed; 'dslite-tcp-fullcone-created-shadow': DS-Lite TCP Full-Cone Created; 'dslite-tcp-fullcone-freed-shadow': DS-Lite TCP Full-Cone Freed; 'dslite-udp-fullcone-created-shadow': DS-Lite UDP Full-Cone Created; 'dslite-udp-fullcone-freed-shadow': DS-Lite UDP Full-Cone Freed; 'dslite-udp-alg-fullcone-created-shadow': DS-Lite UDP ALG Full-Cone Created; 'dslite-udp-alg-fullcone-freed-shadow': DS-Lite UDP ALG Full-Cone Freed;

Type: string

Supported Values: nat44-udp-alg-fullcone-freed-shadow, nat64-tcp-fullcone-created-shadow, nat64-tcp-fullcone-freed-shadow, nat64-udp-fullcone-created-shadow, nat64-udp-fullcone-freed-shadow, nat64-udp-alg-fullcone-created-shadow, nat64-udp-alg-fullcone-freed-shadow, dslite-tcp-fullcone-created-shadow, dslite-tcp-fullcone-freed-shadow, dslite-udp-fullcone-created-shadow, dslite-udp-fullcone-freed-shadow, dslite-udp-alg-fullcone-created-shadow, dslite-udp-alg-fullcone-freed-shadow, h323-alg-reuse-fullcone, h323-alg-fullcone-mismatch, h323-alg-create-fullcone-failure, h323-alg-single-rtp-fullcone, h323-alg-rtcp-fullcone-mismatch, h323-alg-reuse-rtp-rtcp-fullcone, h323-alg-single-rtcp-fullcone, h323-alg-create-rtp-fullcone-failure, h323-alg-create-rtcp-fullcone-failure, mgcp-alg-reuse-fullcone, mgcp-alg-fullcone-mismatch, mgcp-alg-create-fullcone-failure, mgcp-alg-single-rtp-fullcone, mgcp-alg-rtcp-fullcone-mismatch, mgcp-alg-reuse-rtp-rtcp-fullcone, mgcp-alg-single-rtcp-fullcone, mgcp-alg-create-rtp-fullcone-failure, mgcp-alg-create-rtcp-fullcone-failure, user-unusable-drop, ipv4-user-unusable, ipv6-user-unusable, ipd-disabled, dslite_tunnel_frag, total-tcp-overload-acquired, total-udp-overload-acquired, total-tcp-overload-released, total-udp-overload-released, total-tcp-alloc-overload, total-udp-alloc-overload, total-tcp-free-overload, total-udp-free-overload, port-overload-smp-delete-scheduled, port-overload-smp-mem-allocated, port-overload-out-of-memory, port-overload-smp-free, port-overload-smp-free-no-lid, port-overload-free-smp-not-found, port-overload-failed, total-tcp-overload-acquired-shadow, total-udp-overload-acquired-shadow, total-tcp-overload-released-shadow, total-udp-overload-released-shadow, total-tcp-alloc-overload-shadow, total-udp-alloc-overload-shadow, total-tcp-free-overload-shadow, total-udp-free-overload-shadow, ha-session-user-quota-exceeded, tcp-user-quota-exceeded, udp-user-quota-exceeded, icmp-user-quota-exceeded, ha-tcp-user-quota-exceeded, ha-udp-user-quota-exceeded, ha-icmp-user-quota-exceeded, ha-nat-port-unavailable-tcp, ha-nat-port-unavailable-udp, ha-nat-port-unavailable-icmp, fnat44_fwd_ingress_packets_tcp, fnat44_fwd_egress_packets_tcp, fnat44_rev_ingress_packets_tcp, fnat44_rev_egress_packets_tcp, fnat44_fwd_ingress_bytes_tcp, fnat44_fwd_egress_bytes_tcp, fnat44_rev_ingress_bytes_tcp, fnat44_rev_egress_bytes_tcp, fnat44_fwd_ingress_packets_udp, fnat44_fwd_egress_packets_udp, fnat44_rev_ingress_packets_udp, fnat44_rev_egress_packets_udp, fnat44_fwd_ingress_bytes_udp, fnat44_fwd_egress_bytes_udp, fnat44_rev_ingress_bytes_udp, fnat44_rev_egress_bytes_udp, fnat44_fwd_ingress_packets_icmp, fnat44_fwd_egress_packets_icmp, fnat44_rev_ingress_packets_icmp, fnat44_rev_egress_packets_icmp,

fnat44_fwd_ingress_bytes_icmp, fnat44_fwd_egress_bytes_icmp, fnat44_rev_ingress_bytes_icmp, fnat44_rev_egress_bytes_icmp, fnat44_fwd_ingress_packets_others, fnat44_fwd_egress_packets_others, fnat44_rev_ingress_packets_others, fnat44_rev_egress_packets_others, fnat44_fwd_ingress_bytes_others, fnat44_fwd_egress_bytes_others, fnat44_rev_ingress_bytes_others, fnat44_rev_egress_bytes_others, fnat44_fwd_ingress_pkt_size_range1, fnat44_fwd_ingress_pkt_size_range2, fnat44_fwd_ingress_pkt_size_range3, fnat44_fwd_ingress_pkt_size_range4, fnat44_fwd_egress_pkt_size_range1

counters3

Description 'fnat44_fwd_egress_pkt_size_range2': Fixed NAT44 Forward Egress Packet size between 201 and 800; 'fnat44_fwd_egress_pkt_size_range3': Fixed NAT44 Forward Egress Packet size between 801 and 1550; 'fnat44_fwd_egress_pkt_size_range4': Fixed NAT44 Forward Egress Packet size between 1551 and 9000; 'fnat44_rev_ingress_pkt_size_range1': Fixed NAT44 Reverse Ingress Packet size between 0 and 200; 'fnat44_rev_ingress_pkt_size_range2': Fixed NAT44 Reverse Ingress Packet size between 201 and 800; 'fnat44_rev_ingress_pkt_size_range3': Fixed NAT44 Reverse Ingress Packet size between 801 and 1550; 'fnat44_rev_ingress_pkt_size_range4': Fixed NAT44 Reverse Ingress Packet size between 1551 and 9000; 'fnat44_rev_egress_pkt_size_range1': Fixed NAT44 Reverse Egress Packet size between 0 and 200; 'fnat44_rev_egress_pkt_size_range2': Fixed NAT44 Reverse Egress Packet size between 201 and 800; 'fnat44_rev_egress_pkt_size_range3': Fixed NAT44 Reverse Egress Packet size between 801 and 1550; 'fnat44_rev_egress_pkt_size_range4': Fixed NAT44 Reverse Egress Packet size between 1551 and 9000; 'fnat64_fwd_ingress_packets_tcp': Fixed NAT64 Forward Ingress Packets TCP; 'fnat64_fwd_egress_packets_tcp': Fixed NAT64 Forward Egress Packets TCP; 'fnat64_rev_ingress_packets_tcp': Fixed NAT64 Reverse Ingress Packets TCP; 'fnat64_rev_egress_packets_tcp': Fixed NAT64 Reverse Egress Packets TCP; 'fnat64_fwd_ingress_bytes_tcp': Fixed NAT64 Forward Ingress Bytes TCP; 'fnat64_fwd_egress_bytes_tcp': Fixed NAT64 Forward Egress Bytes TCP; 'fnat64_rev_ingress_bytes_tcp': Fixed NAT64 Reverse Ingress Bytes TCP; 'fnat64_rev_egress_bytes_tcp': Fixed NAT64 Reverse Egress Bytes TCP; 'fnat64_fwd_ingress_packets_udp': Fixed NAT64 Forward Ingress Packets UDP; 'fnat64_fwd_egress_packets_udp': Fixed NAT64 Forward Egress Packets UDP; 'fnat64_rev_ingress_packets_udp': Fixed NAT64 Reverse Ingress Packets UDP; 'fnat64_rev_egress_packets_udp': Fixed NAT64 Reverse Egress Packets UDP; 'fnat64_fwd_ingress_bytes_udp': Fixed NAT64 Forward Ingress Bytes UDP; 'fnat64_fwd_egress_bytes_udp': Fixed NAT64 Forward Egress Bytes UDP; 'fnat64_rev_ingress_bytes_udp': Fixed NAT64 Reverse Ingress Bytes UDP; 'fnat64_rev_egress_bytes_udp': Fixed NAT64 Reverse Egress Bytes UDP; 'fnat64_fwd_ingress_packets_icmp': Fixed NAT64 Forward Ingress Packets ICMP; 'fnat64_fwd_egress_packets_icmp': Fixed NAT64 Forward Egress Packets ICMP; 'fnat64_rev_ingress_packets_icmp': Fixed NAT64 Reverse Ingress Packets ICMP; 'fnat64_rev_egress_packets_icmp': Fixed NAT64 Reverse Egress Packets ICMP; 'fnat64_fwd_ingress_bytes_icmp': Fixed NAT64 Forward Ingress Bytes ICMP; 'fnat64_fwd_egress_bytes_icmp': Fixed NAT64 Forward Egress Bytes ICMP; 'fnat64_rev_ingress_bytes_icmp': Fixed NAT64 Reverse Ingress Bytes ICMP; 'fnat64_rev_egress_bytes_icmp': Fixed NAT64 Reverse Egress Bytes ICMP; 'fnat64_fwd_ingress_packets_others': Fixed NAT64 Forward Ingress Packets OTHERS; 'fnat64_fwd_egress_packets_others': Fixed NAT64 Forward Egress Packets OTHERS; 'fnat64_rev_ingress_packets_others': Fixed NAT64 Reverse Ingress Packets OTHERS; 'fnat64_rev_egress_packets_others': Fixed NAT64 Reverse Egress Packets OTHERS; 'fnat64_fwd_ingress_bytes_others': Fixed NAT64 Forward Ingress Bytes OTHERS; 'fnat64_fwd_egress_bytes_others': Fixed NAT64 Forward Egress Bytes OTH-

ERS; 'fnat64_rev_ingress_bytes_others': Fixed NAT64 Reverse Ingress Bytes OTHERS; 'fnat64_rev_egress_bytes_others': Fixed NAT64 Reverse Egress Bytes OTHERS; 'fnat64_fwd_ingress_pkt_size_range1': Fixed NAT64 Forward Ingress Packet size between 0 and 200; 'fnat64_fwd_ingress_pkt_size_range2': Fixed NAT64 Forward Ingress Packet size between 201 and 800; 'fnat64_fwd_ingress_pkt_size_range3': Fixed NAT64 Forward Ingress Packet size between 801 and 1550; 'fnat64_fwd_ingress_pkt_size_range4': Fixed NAT64 Forward Ingress Packet size between 1551 and 9000; 'fnat64_fwd_egress_pkt_size_range1': Fixed NAT64 Forward Egress Packet size between 0 and 200; 'fnat64_fwd_egress_pkt_size_range2': Fixed NAT64 Forward Egress Packet size between 201 and 800; 'fnat64_fwd_egress_pkt_size_range3': Fixed NAT64 Forward Egress Packet size between 801 and 1550; 'fnat64_fwd_egress_pkt_size_range4': Fixed NAT64 Forward Egress Packet size between 1551 and 9000; 'fnat64_rev_ingress_pkt_size_range1': Fixed NAT64 Reverse Ingress Packet size between 0 and 200; 'fnat64_rev_ingress_pkt_size_range2': Fixed NAT64 Reverse Ingress Packet size between 201 and 800; 'fnat64_rev_ingress_pkt_size_range3': Fixed NAT64 Reverse Ingress Packet size between 801 and 1550; 'fnat64_rev_ingress_pkt_size_range4': Fixed NAT64 Reverse Ingress Packet size between 1551 and 9000; 'fnat64_rev_egress_pkt_size_range1': Fixed NAT64 Reverse Egress Packet size between 0 and 200; 'fnat64_rev_egress_pkt_size_range2': Fixed NAT64 Reverse Egress Packet size between 201 and 800; 'fnat64_rev_egress_pkt_size_range3': Fixed NAT64 Reverse Egress Packet size between 801 and 1550; 'fnat64_rev_egress_pkt_size_range4': Fixed NAT64 Reverse Egress Packet size between 1551 and 9000; 'fnatdslite_fwd_ingress_packets_tcp': Fixed DS-Lite Forward Ingress Packets TCP; 'fnatdslite_fwd_egress_packets_tcp': Fixed DS-Lite Forward Egress Packets TCP; 'fnatdslite_rev_ingress_packets_tcp': Fixed DS-Lite Reverse Ingress Packets TCP; 'fnatdslite_rev_egress_packets_tcp': Fixed DS-Lite Reverse Egress Packets TCP; 'fnatdslite_fwd_ingress_bytes_tcp': Fixed DS-Lite Forward Ingress Bytes TCP; 'fnatdslite_fwd_egress_bytes_tcp': Fixed DS-Lite Forward Egress Bytes TCP; 'fnatdslite_rev_ingress_bytes_tcp': Fixed DS-Lite Reverse Ingress Bytes TCP; 'fnatdslite_rev_egress_bytes_tcp': Fixed DS-Lite Reverse Egress Bytes TCP; 'fnatdslite_fwd_ingress_packets_udp': Fixed DS-Lite Forward Ingress Packets UDP; 'fnatdslite_fwd_egress_packets_udp': Fixed DS-Lite Forward Egress Packets UDP; 'fnatdslite_rev_ingress_packets_udp': Fixed DS-Lite Reverse Ingress Packets UDP; 'fnatdslite_rev_egress_packets_udp': Fixed DS-Lite Reverse Egress Packets UDP; 'fnatdslite_fwd_ingress_bytes_udp': Fixed DS-Lite Forward Ingress Bytes UDP; 'fnatdslite_fwd_egress_bytes_udp': Fixed DS-Lite Forward Egress Bytes UDP; 'fnatdslite_rev_ingress_bytes_udp': Fixed DS-Lite Reverse Ingress Bytes UDP; 'fnatdslite_rev_egress_bytes_udp': Fixed DS-Lite Reverse Egress Bytes UDP; 'fnatdslite_fwd_ingress_packets_icmp': Fixed DS-Lite Forward Ingress Packets ICMP; 'fnatdslite_fwd_egress_packets_icmp': Fixed DS-Lite Forward Egress Packets ICMP; 'fnatdslite_rev_ingress_packets_icmp': Fixed DS-Lite Reverse Ingress Packets ICMP; 'fnatdslite_rev_egress_packets_icmp': Fixed DS-Lite Reverse Egress Packets ICMP; 'fnatdslite_fwd_ingress_bytes_icmp': Fixed DS-Lite Forward Ingress Bytes ICMP; 'fnatdslite_fwd_egress_bytes_icmp': Fixed DS-Lite Forward Egress Bytes ICMP; 'fnatdslite_rev_ingress_bytes_icmp': Fixed DS-Lite Reverse Ingress Bytes ICMP; 'fnatdslite_rev_egress_bytes_icmp': Fixed DS-Lite Reverse Egress Bytes ICMP; 'fnatdslite_fwd_ingress_packets_others': Fixed DS-Lite Forward Ingress Packets OTHERS; 'fnatdslite_fwd_egress_packets_others': Fixed DS-Lite Forward Egress Packets OTHERS; 'fnatdslite_rev_ingress_packets_others': Fixed DS-Lite Reverse Ingress Packets OTHERS; 'fnatdslite_rev_egress_packets_others': Fixed DS-Lite Reverse Egress Packets OTHERS; 'fnatdslite_fwd_ingress_bytes_others': Fixed DS-Lite Forward Ingress Bytes OTHERS; 'fnatdslite_fwd_egress_bytes_others': Fixed DS-Lite Forward Egress Bytes OTHERS; 'fnatdslite_rev_ingress_bytes_others': Fixed DS-Lite Reverse Ingress Bytes OTHERS; 'fnatdslite_rev_egress_bytes_others': Fixed DS-Lite Reverse Egress Bytes OTHERS; 'fnatdslite_fwd_ingress_pkt_size_range1': Fixed DS-Lite Forward Ingress Packet size between 0

and 200;

Type: string

Supported Values: fnat44_fwd_egress_pkt_size_range2, fnat44_fwd_egress_pkt_size_range3, fnat44_fwd_egress_pkt_size_range4, fnat44_rev_ingress_pkt_size_range1, fnat44_rev_ingress_pkt_size_range2, fnat44_rev_ingress_pkt_size_range3, fnat44_rev_ingress_pkt_size_range4, fnat44_rev_egress_pkt_size_range1, fnat44_rev_egress_pkt_size_range2, fnat44_rev_egress_pkt_size_range3, fnat44_rev_egress_pkt_size_range4, fnat64_fwd_ingress_packets_tcp, fnat64_fwd_egress_packets_tcp, fnat64_rev_ingress_packets_tcp, fnat64_rev_egress_packets_tcp, fnat64_fwd_ingress_bytes_tcp, fnat64_fwd_egress_bytes_tcp, fnat64_rev_ingress_bytes_tcp, fnat64_rev_egress_bytes_tcp, fnat64_fwd_ingress_packets_udp, fnat64_fwd_egress_packets_udp, fnat64_rev_ingress_packets_udp, fnat64_rev_egress_packets_udp, fnat64_fwd_ingress_bytes_udp, fnat64_fwd_egress_bytes_udp, fnat64_rev_ingress_bytes_udp, fnat64_rev_egress_bytes_udp, fnat64_fwd_ingress_packets_icmp, fnat64_fwd_egress_packets_icmp, fnat64_rev_ingress_packets_icmp, fnat64_rev_egress_packets_icmp, fnat64_fwd_ingress_bytes_icmp, fnat64_fwd_egress_bytes_icmp, fnat64_rev_ingress_bytes_icmp, fnat64_rev_egress_bytes_icmp, fnat64_fwd_ingress_packets_others, fnat64_fwd_egress_packets_others, fnat64_rev_ingress_packets_others, fnat64_rev_egress_packets_others, fnat64_fwd_ingress_bytes_others, fnat64_fwd_egress_bytes_others, fnat64_rev_ingress_bytes_others, fnat64_rev_egress_bytes_others, fnat64_fwd_ingress_pkt_size_range1, fnat64_fwd_ingress_pkt_size_range2, fnat64_fwd_ingress_pkt_size_range3, fnat64_fwd_ingress_pkt_size_range4, fnat64_fwd_egress_pkt_size_range1, fnat64_fwd_egress_pkt_size_range2, fnat64_fwd_egress_pkt_size_range3, fnat64_fwd_egress_pkt_size_range4, fnat64_rev_ingress_pkt_size_range1, fnat64_rev_ingress_pkt_size_range2, fnat64_rev_ingress_pkt_size_range3, fnat64_rev_ingress_pkt_size_range4, fnat64_rev_egress_pkt_size_range1, fnat64_rev_egress_pkt_size_range2, fnat64_rev_egress_pkt_size_range3, fnat64_rev_egress_pkt_size_range4, fnatdslite_fwd_ingress_packets_tcp, fnatdslite_fwd_egress_packets_tcp, fnatdslite_rev_ingress_packets_tcp, fnatdslite_rev_egress_packets_tcp, fnatdslite_fwd_ingress_bytes_tcp, fnatdslite_fwd_egress_bytes_tcp, fnatdslite_rev_ingress_bytes_tcp, fnatdslite_rev_egress_bytes_tcp, fnatdslite_fwd_ingress_packets_udp, fnatdslite_fwd_egress_packets_udp, fnatdslite_rev_ingress_packets_udp, fnatdslite_rev_egress_packets_udp, fnatdslite_fwd_ingress_bytes_udp, fnatdslite_fwd_egress_bytes_udp, fnatdslite_rev_ingress_bytes_udp, fnatdslite_rev_egress_bytes_udp, fnatdslite_fwd_ingress_packets_icmp, fnatdslite_fwd_egress_packets_icmp, fnatdslite_rev_ingress_packets_icmp, fnatdslite_rev_egress_packets_icmp, fnatdslite_fwd_ingress_bytes_icmp, fnatdslite_fwd_egress_bytes_icmp, fnatdslite_rev_ingress_bytes_icmp, fnatdslite_rev_egress_bytes_icmp, fnatdslite_fwd_ingress_packets_others, fnatdslite_fwd_egress_packets_others, fnatdslite_rev_ingress_packets_others, fnatdslite_rev_egress_packets_others, fnatdslite_fwd_ingress_bytes_others, fnatdslite_fwd_egress_bytes_others, fnatdslite_rev_ingress_bytes_others, fnatdslite_rev_egress_bytes_others, fnatdslite_fwd_ingress_pkt_size_range1

counters4

Description 'fnatdslite_fwd_ingress_pkt_size_range2': Fixed DS-Lite Forward Ingress Packet size between 201 and 800; 'fnatdslite_fwd_ingress_pkt_size_range3': Fixed DS-Lite Forward Ingress Packet size between 801 and 1550; 'fnatd-

slite_fwd_ingress_pkt_size_range4': Fixed DS-Lite Forward Ingress Packet size between 1551 and 9000; 'fnatdslite_fwd_egress_pkt_size_range1': Fixed DS-Lite Forward Egress Packet size between 0 and 200; 'fnatdslite_fwd_egress_pkt_size_range2': Fixed DS-Lite Forward Egress Packet size between 201 and 800; 'fnatdslite_fwd_egress_pkt_size_range3': Fixed DS-Lite Forward Egress Packet size between 801 and 1550; 'fnatdslite_fwd_egress_pkt_size_range4': Fixed DS-Lite Forward Egress Packet size between 1551 and 9000; 'fnatdslite_rev_ingress_pkt_size_range1': Fixed DS-Lite Reverse Ingress Packet size between 0 and 200; 'fnatdslite_rev_ingress_pkt_size_range2': Fixed DS-Lite Reverse Ingress Packet size between 201 and 800; 'fnatdslite_rev_ingress_pkt_size_range3': Fixed DS-Lite Reverse Ingress Packet size between 801 and 1550; 'fnatdslite_rev_ingress_pkt_size_range4': Fixed DS-Lite Reverse Ingress Packet size between 1551 and 9000; 'fnatdslite_rev_egress_pkt_size_range1': Fixed DS-Lite Reverse Egress Packet size between 0 and 200; 'fnatdslite_rev_egress_pkt_size_range2': Fixed DS-Lite Reverse Egress Packet size between 201 and 800; 'fnatdslite_rev_egress_pkt_size_range3': Fixed DS-Lite Reverse Egress Packet size between 801 and 1550; 'fnatdslite_rev_egress_pkt_size_range4': Fixed DS-Lite Reverse Egress Packet size between 1551 and 9000;

Type: string

Supported Values: fnatdslite_fwd_ingress_pkt_size_range2, fnatdslite_fwd_ingress_pkt_size_range3, fnatdslite_fwd_ingress_pkt_size_range4, fnatdslite_fwd_egress_pkt_size_range1, fnatdslite_fwd_egress_pkt_size_range2, fnatdslite_fwd_egress_pkt_size_range3, fnatdslite_fwd_egress_pkt_size_range4, fnatdslite_rev_ingress_pkt_size_range1, fnatdslite_rev_ingress_pkt_size_range2, fnatdslite_rev_ingress_pkt_size_range3, fnatdslite_rev_ingress_pkt_size_range4, fnatdslite_rev_egress_pkt_size_range1, fnatdslite_rev_egress_pkt_size_range2, fnatdslite_rev_egress_pkt_size_range3, fnatdslite_rev_egress_pkt_size_range4, active-subscriber-added, active-subscriber-removed, config-not-found-in-ctx

fixed-nat_user-quota

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_histogram

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_disabled-config

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_disable

Specification	
Type	*object*

clear-session

Description Clear all sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside-end-v4address

Description IPv4 Inside User End Address

Type: string

Format: ipv4-address

inside-end-v6address

Description IPv6 Inside User End Address

Type: string

Format: ipv6-address

inside-start-v4address

Description IPv4 Inside User Start Address

Type: string

Format: ipv4-address

inside-start-v6address

Description IPv6 Inside User Start Address

Type: string

Format: ipv6-address

ip-list

Description Name of IP List used to specify Inside Users

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

v4-netmask

Description IPv4 Netmask

Type: string

Format: ipv4-netmask-brief

v6-netmask

Description Inside User IPv6 Netmask

Type: number

Range: 64-128

fixed-nat_port-mapping-files

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fixed-nat_per-instance

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall

Specification	
Type	*object*

alg

Description: alg is a **JSON Block**. Please see below for *stateful-firewall_alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg*

endpoint-independent-filtering

Description: endpoint-independent-filtering is a **JSON Block**. Please see below for *stateful-firewall_endpoint-independent-filtering*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering*

global

Description: global is a **JSON Block**. Please see below for *stateful-firewall_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/global*

stun-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/stun-timeout/{port}+{port-end}*

tcp

Description: tcp is a **JSON Block**. Please see below for *stateful-firewall_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *stateful-firewall_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/udp*

vrid

Description: vrid is a **JSON Block**. Please see below for *stateful-firewall_vrid*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/vrid*

stateful-firewall_udp

Specification	
Type	*object*

idle-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/{port}+{port-end}*

stun-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/{port}+{port-end}*

stateful-firewall_udp_stun-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_udp_idle-timeout-list

Specification	
Type	*list*
Block object keys	

fast

Description Fast aging for idle sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and idle-timeout-val-port-range are mutually exclusive

idle-timeout-val-port-range

Description Idle timeout for IPv4 and IPv6 TCP established sessions (Idle timeout for IPv4 and IPv6 TCP established sessions (default: 300 seconds))

Type: number

Range: 60-15000

Default: 300

Mutual Exclusion: idle-timeout-val-port-range and fast are mutually exclusive

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_vrid

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-value

Description Set VRRP-A vrid for stateful firewall (IPv4 and IPv6)

Type: number

Range: 1-31

stateful-firewall_alg

Specification	
Type	*object*

ftp

Description: ftp is a **JSON Block**. Please see below for *stateful-firewall_alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/ftp*

pptp

Description: pptp is a **JSON Block**. Please see below for *stateful-firewall_alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/pptp*

rtp

Description: rtp is a **JSON Block**. Please see below for *stateful-firewall_alg_rtp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/rtp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *stateful-firewall_alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *stateful-firewall_alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *stateful-firewall_alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/tftp*

stateful-firewall_alg_ftp

Specification	
Type	*object*

ftp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_alg_ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client-port-request': PORT Requests From Client; 'client-eprt-request': EPRT Requests From Client; 'server-pasv-reply': PASV Replies From Server; 'server-epsv-reply': EPSV Replies From Server; 'port-retransmits': PORT Retransmits; 'pasv-retransmits': PASV Retransmits; 'smp-app-type-mismatch': SMP App Type Mismatch; 'retransmit-sanity-check-failure': Retransmit Sanity Check Failure; 'smp-conn-alloc-failure': SMP Helper Conn Alloc Failure; 'port-helper-created': PORT Helper Created; 'pasv-helper-created': PASV Helper Created; 'port-helper-acquire-in-del-q': PORT Helper Acquire In Del Queue; 'port-helper-acquire-already-used': PORT Helper Acquire Already Used; 'pasv-helper-acquire-in-del-q': PASV Helper Acquire In Del Queue; 'pasv-helper-acquire-already-used': PASV

Helper Acquire Already Used; 'port-helper-freed-used': PORT Helper Freed Used; 'port-helper-freed-unused': PORT Helper Freed Unused; 'pasv-helper-freed-used': PASV Helper Freed Used; 'pasv-helper-freed-unused': PASV Helper Freed Unused;

Type: string

Supported Values: all, client-port-request, client-eprt-request, server-pasv-reply, server-epsv-reply, port-retransmits, pasv-retransmits, smp-app-type-mismatch, retransmit-sanity-check-failure, smp-conn-alloc-failure, port-helper-created, pasv-helper-created, port-helper-acquire-in-del-q, port-helper-acquire-already-used, pasv-helper-acquire-in-del-q, pasv-helper-acquire-already-used, port-helper-freed-used, port-helper-freed-unused, pasv-helper-freed-used, pasv-helper-freed-unused

stateful-firewall_alg_sip

Specification	
Type	*object*

sampling-enable

Type: List

sip-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_alg_sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stat-request': Request Received; 'stat-response': Response Received; 'method-register': Method REGISTER; 'method-invite': Method INVITE; 'method-ack': Method ACK; 'method-cancel': Method CANCEL; 'method-bye': Method BYE; 'method-port-config': Method OPTIONS; 'method-prack': Method PRACK; 'method-subscribe': Method SUBSCRIBE; 'method-notify': Method NOTIFY; 'method-publish': Method PUBLISH; 'method-info': Method INFO; 'method-refer': Method REFER; 'method-message':

Method MESSAGE; 'method-update': Method UPDATE; 'method-unknown': Method Unknown; 'parse-error': Message Parse Error; 'keep-alive': Keep Alive; 'contact-error': Contact Process Error; 'sdp-error': SDP Process Error; 'rtp-port-no-op': RTP Port No Op; 'rtp-rtcp-port-success': RTP RTCP Port Success; 'rtp-port-failure': RTP Port Failure; 'rtcp-port-failure': RTCP Port Failure; 'contact-port-no-op': Contact Port No Op; 'contact-port-success': Contact Port Success; 'contact-port-failure': Contact Port Failure; 'contact-new': Contact Alloc; 'contact-alloc-failure': Contact Alloc Failure; 'contact-eim': Contact EIM; 'contact-eim-set': Contact EIM Set; 'rtp-new': RTP Alloc; 'rtp-alloc-failure': RTP Alloc Failure; 'rtp-eim': RTP EIM;

Type: string

Supported Values: all, stat-request, stat-response, method-register, method-invite, method-ack, method-cancel, method-bye, method-port-config, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, keep-alive, contact-error, sdp-error, rtp-port-no-op, rtp-rtcp-port-success, rtp-port-failure, rtcp-port-failure, contact-port-no-op, contact-port-success, contact-port-failure, contact-new, contact-alloc-failure, contact-eim, contact-eim-set, rtp-new, rtp-alloc-failure, rtp-eim

stateful-firewall_alg_pptp

Specification	
Type	*object*

pptp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'call-req-pns-call-id-mismatch': Call ID Mismatch on Call Request; 'call-reply-pns-call-id-mismatch': Call ID Mismatch on Call Reply; 'gre-session-created': GRE Session Created; 'gre-session-freed': GRE Session Freed; 'call-req-retransmit': Call Request Retransmit; 'call-req-new': Call Request New; 'call-req-ext-alloc-failure': Call Request Ext Alloc Failure; 'call-reply-call-id-unknown': Call Reply Unknown Client Call ID; 'call-reply-retransmit': Call Reply Retransmit; 'call-reply-ext-ext-alloc-failure': Call Request Ext Alloc Failure; 'smp-app-type-mismatch': SMP App Type Mismatch; 'smp-client-call-id-mismatch': SMP Client Call ID Mismatch; 'smp-sessions-created': SMP Session Created; 'smp-sessions-freed': SMP Session Freed; 'smp-alloc-failure': SMP Session Alloc Failure; 'gre-conn-creation-failure': GRE Conn Alloc Failure; 'gre-conn-ext-creation-failure': GRE Conn Ext Alloc Failure; 'gre-no-fwd-route': GRE No Fwd Route; 'gre-no-rev-route': GRE No Rev Route; 'gre-no-control-conn': GRE No Control Conn; 'gre-conn-already-exists': GRE Conn Already Exists; 'gre-free-no-ext': GRE Free No Ext; 'gre-free-no-smp': GRE Free No SMP; 'gre-free-smp-app-type-mismatch': GRE Free SMP App Type Mismatch; 'control-freed': Control Session Freed; 'control-free-no-ext': Control Free No Ext; 'control-free-no-smp': Control Free No SMP; 'control-free-smp-app-type-mismatch': Control Free SMP App Type Mismatch;

Type: string

Supported Values: all, calls-established, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, gre-session-created, gre-session-freed, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-ext-ext-alloc-failure, smp-app-type-mismatch, smp-client-call-id-mismatch, smp-sessions-created, smp-sessions-freed, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

stateful-firewall_alg_rtsp

Specification	
Type	*object*

rtsp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_alg_rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'transport-inserted': Transport Created; 'transport-freed': Transport Freed; 'transport-alloc-failure': Transport Alloc Failure; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'ext-creation-failure': Extension Creation Failure; 'transport-add-to-ext': Transport Added to Extension; 'transport-removed-from-ext': Transport Removed from Extension; 'transport-too-many': Too Many Transports for Control Conn; 'transport-already-in-ext': Transport Already in Extension; 'transport-exists': Transport Already Exists; 'transport-link-ext-failure-control': Transport Link to Extension Failure Control; 'transport-link-ext-data': Transport Link to Extension Data; 'transport-link-ext-failure-data': Transport Link to Extension Failure Data; 'transport-inserted-shadow': Transport Inserted Shadow; 'transport-creation-race': Transport Create Race; 'transport-alloc-failure-shadow': Transport Alloc Failure Shadow; 'transport-put-in-del-q': Transport Put in Delete Queue; 'transport-freed-shadow': Transport Freed Shadow; 'transport-acquired-from-control': Transport Acquired Control; 'transport-found-from-prev-control': Transport Found From Prev Control; 'transport-acquire-failure-from-control': Transport Acquire Failure Control; 'transport-released-from-control': Transport Released Control; 'transport-double-release-from-control': Transport Double Release Control; 'transport-acquired-from-data': Transport Acquired Data; 'transport-acquire-failure-from-data': Transport Acquire Failure Data; 'transport-released-from-data': Transport Released Data; 'transport-double-release-from-data': Transport Double Release Data; 'transport-retry-lookup-on-data-free': Transport Retry Lookup Data; 'transport-not-found-on-data-free': Transport Not Found Data; 'data-session-created-shadow': Data Session Created Shadow; 'data-session-freed-shadow': Data Session Freed Shadow; 'ha-control-ext-creation-failure': HA Control Extension Creation Failure; 'ha-control-session-created': HA Control Session Created; 'ha-data-session-created': HA Data Session Created;

Type: string

Supported Values: all, transport-inserted, transport-freed, transport-alloc-failure, data-session-created, data-session-freed, ext-creation-failure, transport-add-to-ext, transport-removed-from-ext, transport-too-many, transport-already-in-ext, transport-exists, transport-link-ext-failure-control, transport-link-ext-data, transport-link-ext-failure-data, transport-inserted-shadow, transport-creation-race, transport-alloc-failure-shadow, transport-put-in-del-q, transport-freed-shadow, transport-acquired-from-control, transport-found-from-prev-control, transport-acquire-failure-from-control, transport-released-from-control, transport-double-release-from-control, transport-acquired-from-data, transport-acquire-failure-from-data, transport-released-from-data, transport-double-release-from-data, transport-retry-lookup-on-data-free, transport-not-found-on-data-free, data-session-created-shadow, data-session-freed-shadow, ha-control-ext-creation-failure, ha-control-session-created, ha-data-session-created

stateful-firewall_alg_rtp

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout (default: 5 minutes)}

Type: number

Range: 2-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_alg_tftp

Specification	
Type	*object*

sampling-enable

Type: List

tftp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_alg_tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': Session created; 'filler2': Filler2;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

stateful-firewall_global

Specification	
Type	*object*

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

stateful-firewall-value

Description 'enable': Enable stateful firewall;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp_packet_process': TCP Packet Process; 'udp_packet_process': UDP Packet Process; 'other_packet_process': Other Packet Process; 'packet_inbound_deny': Inbound Packet Denied; 'packet_process_failure': Packet Error Drop; 'outbound_session_created': Outbound Session Created; 'outbound_session_freed': Outbound Session Freed; 'inbound_session_created': Inbound Session Created; 'inbound_session_freed': Inbound Session Freed; 'tcp_session_created': TCP Session Created; 'tcp_session_freed': TCP Session Freed; 'udp_session_created': UDP Session Created; 'udp_session_freed': UDP Session Freed; 'other_session_created': Other Session Created; 'other_session_freed': Other Session Freed; 'session_creation_failure': Session Creation Failure; 'no_fwd_route': No Forward Route; 'no_rev_route': No Reverse Route; 'packet_standby_drop': Standby Drop; 'tcp_fullcone_created': TCP Full-cone Created; 'tcp_fullcone_freed': TCP Full-cone Freed; 'udp_fullcone_created': UDP Full-cone Created; 'udp_fullcone_freed': UDP Full-cone Freed; 'fullcone_creation_failure': Full-Cone Creation Failure; 'eif_process': Endpnt-Independent Filter Matched; 'one_arm_drop': One-Arm Drop; 'no_class_list_match': No Class-List Match Drop; 'outbound_session_created_shadow': Outbound Session Created Shadow; 'outbound_session_freed_shadow': Outbound Session Freed Shadow; 'inbound_session_created_shadow': Inbound Session Created Shadow; 'inbound_session_freed_shadow': Inbound Session Freed Shadow; 'tcp_session_created_shadow': TCP Session Created Shadow; 'tcp_session_freed_shadow': TCP Session Freed Shadow; 'udp_session_created_shadow': UDP Session Created Shadow; 'udp_session_freed_shadow': UDP Session Freed Shadow; 'other_session_created_shadow': Other Session Created Shadow; 'other_session_freed_shadow': Other Session Freed Shadow; 'session_creation_failure_shadow': Session Creation Failure Shadow; 'bad_session_freed': Bad Session Proto on Free; 'ctl_mem_alloc': Memory Alloc; 'ctl_mem_free': Memory Free; 'tcp_fullcone_created_shadow': TCP Full-cone Created Shadow; 'tcp_fullcone_freed_shadow': TCP Full-cone Freed Shadow; 'udp_fullcone_created_shadow': UDP Full-cone Created Shadow; 'udp_fullcone_freed_shadow': UDP Full-cone Freed Shadow; 'fullcone_in_del_q': Full-cone Found in Delete Queue; 'fullcone_overflow_eim': EIM Overflow; 'fullcone_overflow_eif': EIF Overflow; 'fullcone_free_found': Full-cone Free Found From Conn; 'fullcone_free_retry_lookup': Full-cone Retry Look-up; 'fullcone_free_not_found': Full-cone Free Not Found; 'eif_limit_exceeded': EIF Limit Exceeded; 'eif_disable_drop': EIF Disable Drop; 'eif_process_failure': EIF Process Failure; 'eif_filtered': EIF Filtered; 'ha_standby_session_created': HA Standby Session Created; 'ha_standby_session_eim': HA Standby Session EIM; 'ha_standby_session_eif': HA Standby Session EIF;

Type: string

Supported Values: all, tcp_packet_process, udp_packet_process, other_packet_process, packet_inbound_deny, packet_process_failure, outbound_session_created, outbound_session_freed, inbound_session_created, inbound_session_freed, tcp_session_created, tcp_session_freed, udp_session_created, udp_session_freed, other_session_created, other_session_freed, session_creation_failure, no_fwd_route, no_rev_route, packet_standby_drop, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_creation_failure, eif_process, one_arm_drop, no_class_list_match, outbound_session_created_shadow,

outbound_session_freed_shadow, inbound_session_created_shadow, inbound_session_freed_shadow, tcp_session_created_shadow, tcp_session_freed_shadow, udp_session_created_shadow, udp_session_freed_shadow, other_session_created_shadow, other_session_freed_shadow, session_creation_failure_shadow, bad_session_freed, ctl_mem_alloc, ctl_mem_free, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, fullcone_in_del_q, fullcone_overflow_eim, fullcone_overflow_eif, fullcone_free_found, fullcone_free_retry_lookup, fullcone_free_not_found, eif_limit_exceeded, eif_disable_drop, eif_process_failure, eif_filtered, ha_standby_session_created, ha_standby_session_eim, ha_standby_session_eif

stateful-firewall_tcp

Specification	
Type	*object*

idle-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/{port}+{port-end}*

stun-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/{port}+{port-end}*

syn-timeout

Description: syn-timeout is a **JSON Block**. Please see below for *stateful-firewall_tcp_syn-timeout*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout*

stateful-firewall_tcp_stun-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_tcp_syn-timeout

Specification	
Type	*object*

syn-timeout-val

Description Set Seconds session can remain in half-open state before being deleted (default: 4 seconds)

Type: number

Range: 2-30

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_tcp_idle-timeout-list

Specification	
Type	*list*
Block object keys	

idle-timeout-val-port-range

Description Set Idle timeout for IPv4 and IPv6 TCP established sessions (Idle timeout for IPv4 and IPv6 TCP established sessions (default: 300 seconds))

Type: number

Range: 60-15000

Default: 300

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_stun-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_endpoint-independent-filtering

Specification	
Type	*object*

tcp

Description: tcp is a **JSON Block**. Please see below for *stateful-firewall_endpoint-independent-filtering_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *stateful-firewall_endpoint-independent-filtering_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp*

stateful-firewall_endpoint-independent-filtering_udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_endpoint-independent-filtering_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

stateful-firewall_endpoint-independent-filtering_tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall_endpoint-independent-filtering_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

nat

Specification	
Type	*object*

exclude-port

Description: exclude-port is a **JSON Block**. Please see below for *nat_exclude-port*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/exclude-port*

histogram

Description: histogram is a **JSON Block**. Please see below for *nat_histogram*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/histogram*

icmp

Description: icmp is a **JSON Block**. Please see below for *nat_icmp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/icmp*

icmpv6

Description: icmpv6 is a **JSON Block**. Please see below for *nat_icmpv6*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/icmpv6*

inside

Description: inside is a **JSON Block**. Please see below for *nat_inside*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside*

pool-group-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/pool/{pool-name}*

range-list-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/range-list/{name}+{partition}*

shared-pool

Description: shared-pool is a **JSON Block**. Please see below for *nat_shared-pool*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/shared-pool*

shared-pool-group

Description: shared-pool-group is a **JSON Block**. Please see below for *nat_shared-pool-group*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/shared-pool-group*

nat_shared-pool

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_shared-pool-group

Specification	
Type	*object*

members

Description: members is a **JSON Block**. Please see below for *nat_shared-pool-group_members*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/shared-pool-group/members*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_shared-pool-group_members

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_pool-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid

Type: number

Range: 1-31

nat_pool-group-list_member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify CGNv6 NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_histogram

Specification	
Type	*object*

bin-count

Description Number of bins in the histogram (default: 50)

Type: number

Range: 10-100

Default: 50

bin-skew

Description Percentage of bins that represent the upper bound (default: 75)

Type: number

Range: 50-80

Default: 75

data-skew

Description Percentage of data that represents the upper bound (default: 25)

Type: number

Range: 5-50

Default: 25

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_icmpv6

Specification	
Type	*object*

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_range-list-list

Specification	
Type	*list*
Block object keys	

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

name

Description Name for this Static List

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat_exclude-port

Specification	
Type	*object*

tcp

Description: tcp is a **JSON Block**. Please see below for *nat_exclude-port_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/exclude-port/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *nat_exclude-port_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/exclude-port/udp*

nat_exclude-port_udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_exclude-port_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

nat_exclude-port_tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_exclude-port_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

nat_icmp

Specification	
Type	*object*

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *nat_inside_source*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside/source*

nat_inside_source

Specification	
Type	*object*

static-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}*

statistics

Description: statistics is a **JSON Block**. Please see below for *nat_inside_source_statistics*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside/source/statistics*

nat_inside_source_statistics

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside_source_static-list

Specification	
Type	*list*
Block object keys	

nat-address

Description NAT Address

Type: string

Format: ipv4-address

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat_pool-list

Specification	
Type	*list*
Block object keys	

all

Description Share with all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

exclude-ip

Type: List

group

Description Share with a partition group (Partition Group Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

max-users-per-ip

Description Number of users that can be assigned to a NAT IP

Type: number

Range: 1-64512

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

partition

Description Share with a single partition (Partition Name)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

per-batch-port-usage-warning-threshold

Description Configure warning log threshold for per batch port usage (default: disabled) (Number of ports)

Type: number

Range: 32-4096

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-batch-v2-size

Description '64': Allocate 64 ports at a time; '128': Allocate 128 ports at a time; '256': Allocate 256 ports at a time; '512': Allocate 512 ports at a time; '1024': Allocate 1024 ports at a time; '2048': Allocate 2048 ports at a time; '4096': Allocate 4096 ports at a time;

Type: string

Supported Values: 64, 128, 256, 512, 1024, 2048, 4096

shared

Description Share this pool with other partitions (default: not shared)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

simultaneous-batch-allocation

Description Allocate same TCP and UDP batches at once

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

tcp-time-wait-interval

Description Minutes before TCP NAT ports can be reused

Type: number

Range: 0-10

usable-nat-ports

Description Configure usable NAT ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports-end

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-nat-ports-start

Description Start Port of Usable NAT Ports (needs to be even)

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat_pool-list_exclude-ip

Specification	
Type	*list*
Block object keys	

exclude-ip-end

Description Address range end

Type: string

Format: ipv4-address

exclude-ip-start

Description Single IP address or IP address range start

Type: string

Format: ipv4-address

sctp

Specification	
Type	*object*

global

Description: global is a **JSON Block**. Please see below for *sctp_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp/global*

permit-payload-protocol

Description: permit-payload-protocol is a **JSON Block**. Please see below for *sctp_permit-payload-protocol*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp/permit-payload-protocol*

rate-limit

Description: rate-limit is a **JSON Block**. Please see below for *sctp_rate-limit*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit*

rate-limit-entries

Description: rate-limit-entries is a **JSON Block**. Please see below for *sctp_rate-limit-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit-entries*

sctp_rate-limit-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp_global

Specification	
Type	*object*

half-open-timeout

Description Set SCTP half-open timeout (SCTP half-open timeout in seconds (default 4))

Type: number

Range: 2-30

Default: 4

idle-timeout

Description SCTP idle timeout in minutes (default 5)

Type: number

Range: 1-63

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp_rate-limit

Specification	
Type	*object*

destination-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit/destination/{ip}*

source-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit/source/{ip}*

sctp_rate-limit_source-list

Specification	
Type	*list*
Block object keys	

ip

Description IP address

Type: string

Format: ipv4-address

rate-limit

Description Rate limit in packets per second

Type: number

Range: 1-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp_rate-limit_destination-list

Specification	
Type	*list*
Block object keys	

ip

Description IP address

Type: string

Format: ipv4-address

rate-limit

Description Rate limit in packets per second

Type: number

Range: 1-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp_permit-payload-protocol

Specification	
Type	*object*

protocol-id-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/{id}*

protocol-name-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/{protocol}*

sctp_permit-payload-protocol_protocol-id-list

Specification	
Type	*list*
Block object keys	

id

Description Specify SCTP permitted payload protocol IDs

Type: number

Range: 1-63

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp_permit-payload-protocol_protocol-name-list

Specification	
Type	*list*
Block object keys	

protocol

Description 'iua': IUA; 'm2ua': M2UA; 'm3ua': M3UA; 'sua': SUA; 'm2pa': M2PA; 'h.323': H.323;

Type: string

Supported Values: iua, m2ua, m3ua, sua, m2pa, h.323

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shared-service-group

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'query': Query; 'query-bad-pkt': Query Bad Packet; 'query-chg': Query Changed; 'query-parallel': Query Parallel; 'query-passive': Query Passive; 'resp': Response; 'resp-bad-pkt': Response Bad Packet; 'resp-bad-qr': Response Bad Query; 'resp-chg': Response Changed; 'resp-err': Response Error; 'resp-empty': Response Empty; 'resp-local': Response Local; 'adjust': Translated; 'cache': Cache; 'drop': Dropped;

Type: string

Supported Values: all, query, query-bad-pkt, query-chg, query-parallel, query-passive, resp, resp-bad-pkt, resp-bad-qr, resp-chg, resp-err, resp-empty, resp-local, adjust, cache, drop

nat46-stateless

Specification	
Type	*object*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *nat46-stateless_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/fragmentation*

global

Description: global is a **JSON Block**. Please see below for *nat46-stateless_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/global*

partition-prefix-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/partition-prefix/{partition}*

prefix

Description: prefix is a **JSON Block**. Please see below for *nat46-stateless_prefix*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/prefix*

static-dest-mapping-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/{v4-address}+{v6-address}*

nat46-stateless_static-dest-mapping-list

Specification	
Type	*list*
Block object keys	

count

Description Set number of consecutive mappings (Number of mappings)

Type: number

shared

Description Share/Expose this mapping with other partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

to-shared

Description Send NATed traffic through shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-address

Description IPv4 address

Type: string

Format: ipv4-address

v6-address

Description IPv6 address

Type: string

Format: ipv6-address

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat46-stateless_fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *nat46-stateless_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *nat46-stateless_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound*

nat46-stateless_fragmentation_inbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat46-stateless_fragmentation_outbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat46-stateless_global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat46-stateless_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound_ipv4_received': Outbound IPv4 packets received; 'outbound_ipv4_drop': Outbound IPv4 packets dropped; 'outbound_ipv4_fragment_received': Outbound IPv4 fragment packets received; 'outbound_ipv6_unreachable': Outbound IPv6 destination unreachable; 'outbound_ipv6_fragmented': Outbound IPv6 packets fragmented; 'inbound_ipv6_received': Inbound IPv6 packets received; 'inbound_ipv6_drop': Inbound IPv6 packets dropped; 'inbound_ipv6_fragment_received': Inbound IPv6 fragment packets received; 'inbound_ipv4_unreachable': Inbound IPv4 destination unreachable; 'inbound_ipv4_fragmented': Inbound IPv4 packets fragmented; 'packet_too_big': Packet

too big; 'fragment_error': Fragment processing errors; 'icmpv6_to_icmp': ICMPv6 to ICMP; 'icmpv6_to_icmp_error': ICMPv6 to ICMP errors; 'icmp_to_icmpv6': ICMP to ICMPv6; 'icmp_to_icmpv6_error': ICMP to ICMPv6 errors; 'ha_standby': HA is standby; 'other_error': Other errors;

Type: string

Supported Values: all, outbound_ipv4_received, outbound_ipv4_drop, outbound_ipv4_fragment_received, outbound_ipv6_unreachable, outbound_ipv6_fragmented, inbound_ipv6_received, inbound_ipv6_drop, inbound_ipv6_fragment_received, inbound_ipv4_unreachable, inbound_ipv4_fragmented, packet_too_big, fragment_error, icmpv6_to_icmp, icmpv6_to_icmp_error, icmp_to_icmpv6, icmp_to_icmpv6_error, ha_standby, other_error, conn_count

nat46-stateless_prefix

Specification	
Type	*object*

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat46-stateless_partition-prefix-list

Specification	
Type	*list*
Block object keys	

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

partition

Description Partition Name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

map

Specification	
Type	*object*

encapsulation

Description: encapsulation is a **JSON Block**. Please see below for *map_encapsulation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation*

translation

Description: translation is a **JSON Block**. Please see below for *map_translation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation*

map_encapsulation

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *map_encapsulation_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation*

map_encapsulation_fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *map_encapsulation_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *map_encapsulation_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound*

map_encapsulation_fragmentation_inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_encapsulation_fragmentation_outbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_encapsulation_domain-list

Specification	
Type	*list*
Block object keys	

basic-mapping-rule

Description: basic-mapping-rule is a **JSON Block**. Please see below for *map_encapsulation_domain-list_basic-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule*

description

Description MAP-E domain description

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

format

Description 'draft-03': Construct IPv6 Interface Identifier according to draft-03;

Type: string

Supported Values: draft-03

health-check-gateway

Description: health-check-gateway is a **JSON Block**. Please see below for *map_encapsulation_domain-list_health-check-gateway*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway*

name

Description MAP-E domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl*

sampling-enable

Type: List

tunnel-endpoint-address

Description Tunnel Endpoint Address for MAP-E domain

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_encapsulation_domain-list_basic-mapping-rule

Specification	
Type	*object*

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_encapsulation_domain-list_basic-mapping-rule_prefix-rule-list

Specification	
Type	*list*
Block object keys	

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_encapsulation_domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inbound_packet_received': Inbound IPv4 Packets Received; 'inbound_frag_packet_received': Inbound IPv4 Fragment Packets Received; 'inbound_addr_port_validation_failed': Inbound IPv4 Destination Address Port Validation Failed; 'inbound_rev_lookup_failed': Inbound IPv4 Reverse Route Lookup Failed; 'inbound_dest_unreachable': Inbound IPv6 Destination Address Unreachable; 'outbound_packet_received': Outbound IPv6 Packets Received; 'outbound_frag_packet_received': Outbound IPv6 Fragment Packets Received; 'outbound_addr_validation_failed': Outbound IPv6 Source Address Validation Failed; 'outbound_rev_lookup_failed': Outbound IPv6 Reverse Route Lookup Failed; 'outbound_dest_unreachable': Outbound IPv4 Destination Address Unreachable; 'packet_mtu_exceeded': Packet Exceeded MTU; 'frag_icmp_sent': ICMP Packet Too Big Sent; 'interface_not_configured': Interfaces not Configured Dropped; 'bmr_prefixrules_configured': BMR prefix rules configured; 'helper_count': Helper Count; 'active_dhcpv6_leases': Active DHCPv6 leases;

Type: string

Supported Values: all, inbound_packet_received, inbound_frag_packet_received, inbound_addr_port_validation_failed, inbound_rev_lookup_failed, inbound_dest_unreachable, outbound_packet_received, outbound_frag_packet_received, outbound_addr_validation_failed, outbound_rev_lookup_failed, outbound_dest_unreachable, packet_mtu_exceeded, frag_icmp_sent, interface_not_configured, bmr_prefixrules_configured, helper_count, active_dhcpv6_leases

map_encapsulation_domain-list_health-check-gateway

Specification	
Type	*object*

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

map_encapsulation_domain-list_health-check-gateway_ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

map_encapsulation_domain-list_health-check-gateway_address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

map_translation

Specification	
Type	*object*

default-domain

Description: default-domain is a **JSON Block**. Please see below for *map_translation_default-domain*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/default-domain*

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *map_translation_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation*

map_translation_fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *map_translation_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *map_translation_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation/outbound*

map_translation_fragmentation_inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_translation_fragmentation_outbound

Specification	
Type	*object*

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_translation_domain-list

Specification	
Type	*list*
Block object keys	

basic-mapping-rule

Description: basic-mapping-rule is a **JSON Block**. Please see below for *map_translation_domain-list_basic-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule*

default-mapping-rule

Description: default-mapping-rule is a **JSON Block**. Please see below for *map_translation_domain-list_default-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule*

description

Description MAP-T domain description

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

health-check-gateway

Description: health-check-gateway is a **JSON Block**. Please see below for *map_translation_domain-list_health-check-gateway*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway*

mtu

Description Domain MTU

Type: number

name

Description MAP-T domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl*

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *map_translation_domain-list_tcp*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_translation_domain-list_default-mapping-rule

Specification	
Type	*object*

rule-ipv6-prefix

Description Rule IPv6 prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_translation_domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inbound_packet_received': Inbound IPv4 Packets Received; 'inbound_frag_packet_received': Inbound IPv4 Fragment Packets Received; 'inbound_addr_port_validation_failed': Inbound IPv4 Destination Address Port Validation Failed; 'inbound_rev_lookup_failed': Inbound IPv4 Reverse Route Lookup Failed; 'inbound_dest_unreachable': Inbound IPv6 Destination Address Unreachable; 'outbound_packet_received': Outbound IPv6 Packets Received; 'outbound_frag_packet_received': Outbound IPv6 Fragment Packets Received; 'outbound_addr_validation_failed': Outbound IPv6 Source Address Validation Failed; 'outbound_rev_lookup_failed': Outbound IPv6 Reverse Route Lookup Failed; 'outbound_dest_unreachable': Outbound IPv4 Destination Address Unreachable; 'packet_mtu_exceeded': Packet Exceeded MTU; 'frag_icmp_sent': ICMP Packet Too Big Sent; 'interface_not_configured': Interfaces not Configured Dropped; 'bmr_prefixrules_configured': BMR prefix rules configured; 'helper_count': Helper Count; 'active_dhcpv6_leases': Active DHCPv6 leases;

Type: string

Supported Values: all, inbound_packet_received, inbound_frag_packet_received, inbound_addr_port_validation_failed, inbound_rev_lookup_failed, inbound_dest_unreachable, outbound_packet_received, outbound_frag_packet_received, outbound_addr_validation_failed, outbound_rev_lookup_failed, outbound_dest_unreachable, packet_mtu_exceeded, frag_icmp_sent, interface_not_configured, bmr_prefixrules_configured, helper_count, active_dhcpv6_leases

map_translation_domain-list_tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *map_translation_domain-list_tcp_mss-clamp*

Type: Object

map_translation_domain-list_tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: 516))

Type: number

Range: 0-1440

Default: 516

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping(default); 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, none, subtract

Default: none

mss-subtract

Description Specify the value to subtract from the TCP MSS

Type: number

Range: 0-1440

mss-value

Description The max value allowed for the TCP MSS

Type: number

Range: 0-1440

map_translation_domain-list_health-check-gateway

Specification	
Type	*object*

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

map_translation_domain-list_health-check-gateway_ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

map_translation_domain-list_health-check-gateway_address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

map_translation_domain-list_basic-mapping-rule

Specification	
Type	*object*

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_translation_domain-list_basic-mapping-rule_prefix-rule-list

Specification	
Type	*list*
Block object keys	

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map_translation_default-domain

Specification	
Type	*object*

name

Description MAP-T domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/map/translation/domain*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template

Specification	
Type	*object*

dns-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}*

http-alg-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/http-alg/{name}*

logging-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}*

pcp-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/pcp/{name}*

policy-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}*

template_policy-list

Specification	
Type	*list*
Block object keys	

class-list

Description: class-list is a **JSON Block**. Please see below for *template_policy-list_class-list*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}/class-list*

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_class-list

Specification	
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

dns64

Description: dns64 is a **JSON Block**. Please see below for *template_policy-list_class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 0-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_class-list_lid-list_dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

template_logging-list

Specification	
Type	*list*
Block object keys	

batched-logging-disable

Description Disable multiple logs per packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom

Description: custom is a **JSON Block**. Please see below for *template_logging-list_custom*

Type: Object

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *template_logging-list_disable-log-by-destination*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination*

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'binary': Binary logging format; 'compact': Compact ASCII logging format (Hex format with compact representation); 'custom': Arbitrary custom logging format; 'default': Default A10 logging format (ASCII); 'rfc5424': RFC5424 compliant logging format;

Type: string

Supported Values: binary, compact, custom, default, rfc5424, cef

Default: default

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Description: include-http is a **JSON Block**. Please see below for *template_logging-list_include-http*

Type: Object

include-inside-user-mac

Description Include the inside user MAC address in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-partition-name

Description Include partition name in logging events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-port-block-account

Description include bytes accounting information in port-batch-v2 port-mapping and fixed-nat user-ports messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-radius-attribute

Description: include-radius-attribute is a **JSON Block**. Please see below for *template_logging-list_include-radius-attribute*

Type: Object

include-session-byte-count

Description include byte count in session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *template_logging-list_log*

Type: Object

log-receiver

Description: log-receiver is a **JSON Block**. Please see below for *template_logging-list_log-receiver*

Type: Object

name

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resolution

Description 'seconds': Logging timestamp resolution in seconds (default); '10-milliseconds': Logging timestamp resolution in 10s of milli-seconds;

Type: string

Supported Values: seconds, 10-milliseconds

Default: seconds

rfc-custom

Description: rfc-custom is a **JSON Block**. Please see below for *template_logging-list_rfc-custom*

Type: Object

rule

Description: rule is a **JSON Block**. Please see below for *template_logging-list_rule*

Type: Object

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

severity

Description: severity is a **JSON Block**. Please see below for *template_logging-list_severity*

Type: Object

shared

Description Service group is in shared patition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-address

Description: source-address is a **JSON Block**. Please see below for *template_logging-list_source-address*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/source-address*

source-port

Description: source-port is a **JSON Block**. Please see below for *template_logging-list_source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_include-http

Specification	
Type	*object*

file-extension

Description HTTP file extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-cfg

Type: List

l4-session-info

Description Log the L4 session information of the HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Log the HTTP Request Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-number

Description HTTP Request Number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_include-http_header-cfg

Specification	
Type	*list*
Block object keys	

custom-header-name

Description Header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

custom-max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

http-header

Description 'cookie': Log HTTP Cookie Header; 'referer': Log HTTP Referer Header; 'user-agent': Log HTTP User-Agent Header; 'header1': Log HTTP Header 1; 'header2': Log HTTP Header 2; 'header3': Log HTTP Header 3;

Type: string

Supported Values: cookie, referer, user-agent, header1, header2, header3

max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

template_logging-list_severity

Specification	
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

template_logging-list_custom

Specification	
Type	*object*

custom-header

Description 'use-syslog-header': Use syslog header as custom log header;

Type: string

Supported Values: use-syslog-header

custom-message

Description: custom-message is a **JSON Block**. Please see below for *template_logging-list_custom_custom-message*

Type: Object

custom-time-stamp-format

Description Customize the time stamp format (Customize the time-stamp format. Default:%Y%m%d%H%M%S)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

template_logging-list_custom_custom-message

Specification	
Type	*object*

custom-dhcpv6-map-prefix-assigned

Description MAP DHCPv6 prefix assigned

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-dhcpv6-map-prefix-released

Description MAP DHCPv6 prefix released

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-dhcpv6-map-prefix-renewed

Description MAP DHCPv6 prefix renewed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-allocated

Description Fixed-NAT allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-freed

Description Fixed-NAT freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-interim-update

Description Fixed-NAT interim update (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-http-request-got

Description HTTP request got (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-allocated

Description Port allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-allocated

Description Port Batch allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-freed

Description Port Batch freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-allocated

Description Port Batch v2 allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-freed

Description Port Batch v2 freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-interim-update

Description Port Batch v2 interim update (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-freed

Description Port freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-session-created

Description Session created (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-session-deleted

Description Session deleted (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

template_logging-list_source-address

Specification	
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_log

Specification	
Type	*object*

fixed-nat

Description: fixed-nat is a **JSON Block**. Please see below for *template_logging-list_log_fixed-nat*

Type: Object

http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

map-dhcpv6

Description: map-dhcpv6 is a **JSON Block**. Please see below for *template_logging-list_log_map-dhcpv6*

Type: Object

merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-to-one-nat

Description: one-to-one-nat is a **JSON Block**. Please see below for *template_logging-list_log_one-to-one-nat*

Type: Object

port-mappings

Description 'creation': Log only creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable, both

Default: both

port-overloading

Description Force logging of all port-overloading sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sessions

Description Log all data sessions created using NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-data

Description Log LSN Subscriber Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_log_one-to-one-nat

Specification	
Type	*object*

one-to-one-merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-to-one-nat-sessions

Description Log all One-to-One NAT sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_log_map-dhcpv6

Specification	
Type	*object*

map-dhcpv6-msg-type

Type: List

map-dhcpv6-prefix-all

Description Log MAP DHCPv6 prefix assignment/renewal/release

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: map-dhcpv6-prefix-all and map-dhcpv6-msg-type are mutually exclusive

template_logging-list_log_map-dhcpv6_map-dhcpv6-msg-type

Specification	
Type	*list*
Block object keys	

map-dhcpv6-msg-type

Description 'prefix-assignment': Log MAP DHCPv6 prefix assignment; 'prefix-renewal': Log MAP DHCPv6 prefix renewal; 'prefix-release': Log MAP DHCPv6 prefix release;

Type: string

Supported Values: prefix-assignment, prefix-renewal, prefix-release

Mutual Exclusion: map-dhcpv6-msg-type and map-dhcpv6-prefix-all are mutually exclusive

template_logging-list_log_fixed-nat

Specification	
Type	*object*

fixed-nat-http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

fixed-nat-merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mappings

Description 'both': Log creation and deletion of NAT mappings; 'creation': Log creation of NAT mappings;

Type: string

Supported Values: both, creation

fixed-nat-sessions

Description Log all Fixed NAT sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-ports

Description: user-ports is a **JSON Block**. Please see below for *template_logging-list_log_fixed-nat_user-ports*

Type: Object

template_logging-list_log_fixed-nat_user-ports

Specification	
Type	*object*

days

Description Specify period in days

Type: number

Range: 1-30

start-time

Description Time when periodic logging starts (Specify start time(hh:mm))

Type: string

Format: time-hhmm

user-ports

Description Log Fixed NAT User Ports Configured

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_source-port

Specification	
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

template_logging-list_log-receiver

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

radius

Description Use RADIUS server for NAT logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

template_logging-list_include-radius-attribute

Specification	
Type	*object*

attr-cfg

Type: List

framed-ipv6-prefix

Description Include radius attributes for the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-if-not-existing

Description Configure what string is to be inserted for custom RADIUS attributes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-quote

Description No quotation marks for RADIUS attributes in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

zero-in-custom-attr

Description Insert 0000 for standard and custom attributes in log string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_include-radius-attribute_attr-cfg

Specification	
Type	*list*
Block object keys	

attr

Description 'imei': Include IMEI; 'imsi': Include IMSI; 'msisdn': Include MSISDN; 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

attr-event

Description 'http-requests': Include in HTTP request logs; 'port-mappings': Include in port-mapping logs; 'sessions': Include in session logs;

Type: string

Supported Values: http-requests, port-mappings, sessions, user-data

template_logging-list_rule

Specification	
Type	*object*

interim-update-interval

Description Log interim update of NAT mappings (Interim update interval in minutes(Interval is floored to a multiple of 5))

Type: number

Range: 15-120

rule-http-requests

Description: rule-http-requests is a **JSON Block**. Please see below for *template_logging-list_rule_rule-http-requests*

Type: Object

template_logging-list_rule_rule-http-requests

Specification	
Type	*object*

dest-port

Type: List

disable-sequence-check

Description Disable http packet sequence check and don't drop out of order packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-all-headers

Description Include all configured headers despite of absence in HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-every-http-request

Description Log every HTTP request in an HTTP 1.1 session (Default: Log the first HTTP request in a session)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-len

Description Max length of URL log (Max URL length (Default: 100 char))

Type: number

Range: 100-1000

Default: 128

template_logging-list_rule_rule-http-requests_dest-port

Specification	
Type	*list*
Block object keys	

dest-port-number

Description

Type: number

Range: 1-65535

include-byte-count

Description Include the byte count of HTTP Request/Response in CGN session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_disable-log-by-destination

Specification	
Type	*object*

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_disable-log-by-destination_ip-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_disable-log-by-destination_ip-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

template_logging-list_disable-log-by-destination_ip-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

template_logging-list_disable-log-by-destination_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

template_logging-list_disable-log-by-destination_ip6-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_disable-log-by-destination_ip6-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

template_logging-list_disable-log-by-destination_ip6-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

template_logging-list_disable-log-by-destination_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

template_logging-list_rfc-custom

Specification	
Type	*object*

header

Description: header is a **JSON Block**. Please see below for *template_logging-list_rfc-custom_header*

Type: Object

message

Description: message is a **JSON Block**. Please see below for *template_logging-list_rfc-custom_message*

Type: Object

template_logging-list_rfc-custom_header

Specification	
Type	*object*

use-alternate-timestamp

Description Use alternate non-RFC5424 compliant timestamp. Ex: 1990 Jan 15 12:30:30

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_rfc-custom_message

Specification	
Type	*object*

dhcpv6-map-prefix-assigned

Description MAP DHCPv6 prefix assigned

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

dhcpv6-map-prefix-released

Description MAP DHCPv6 prefix released

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

dhcpv6-map-prefix-renewed

Description MAP DHCPv6 prefix renewed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-request-got

Description HTTP request got (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ipv6-tech

Type: List

session-created

Description Session created (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

session-deleted

Description Session deleted (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

template_logging-list_rfc-custom_message_ipv6-tech

Specification	
Type	*list*
Block object keys	

fixed-nat-allocated

Description Fixed-NAT allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fixed-nat-freed

Description Fixed-NAT freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-allocated

Description Port allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-allocated

Description Port Batch allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-freed

Description Port Batch freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-v2-allocated

Description Port Batch v2 allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-v2-freed

Description Port Batch v2 freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-freed

Description Port freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

tech-type

Description 'lsn': LSN; 'nat64': NAT64; 'ds-lite': DS-Lite; 'sixrd-nat64': 6rd-NAT64;

Type: string

Supported Values: lsn, nat64, ds-lite, sixrd-nat64

template_pcp-list

Specification	
Type	*list*
Block object keys	

allow-third-party-from-lan

Description Allow third party request coming from LAN (default is disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-third-party-from-wan

Description Allow third party request coming from WAN (default is disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

announce

Description PCP ANNOUNCE Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

check-client-nonce

Description To validate NONCE value in PCP request (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-map-filter

Description To disable processing of FILTER options in MAP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map

Description PCP MAP Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum

Description To set maximum lifetime of PCP mappings (default 1440 minutes)

Type: number

Range: 2-1440

Default: 1440

minimum

Description To set minimum lifetime of PCP mappings (default 2 minutes)

Type: number

Range: 2-1440

Default: 2

name

Description PCP Template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pcp-server-port

Description PCP server listening port (default 5351) (PCP UDP destination port)

Type: number

Range: 1024-65535

Default: 5351

peer

Description PCP PEER Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-ip

Description Specify source IP address for IPv4 ANNOUNCE message

Type: string

Format: ipv4-address

source-ipv6

Description Specify source IPv6 address for IPv6 ANNOUNCE message

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-alg-list

Specification	
Type	*list*
Block object keys	

header-name-client-ip

Description Header name (default: X-Forwarded-For)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: X-Forwarded-For

header-name-msisdn

Description Header name (default: X-MSISDN)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: X-MSISDN

include-tunnel-ip

Description Include the tunnel IP (applies to DS-Lite and 6RD-NAT64 sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description 'append': Append if there is already a header (default); 'replace': Replace if there is already a header;

Type: string

Supported Values: append, replace

Default: append

name

Description HTTP-ALG template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

request-insert-client-ip

Description Insert Client IP into HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-insert-msisdn

Description Insert MSISDN into HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list

Specification	
Type	*list*
Block object keys	

class-list

Description: class-list is a **JSON Block**. Please see below for *template_dns-list_class-list*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns64

Description: dns64 is a **JSON Block**. Please see below for *template_dns-list_dns64*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/dns64*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

forward

Description Forward to service group (Service group name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Period in minutes

Type: number

Range: 1-10000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_class-list

Specification	
Type	*object*

lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *template_dns-list_class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_class-list_lid-list_dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

template_dns-list_dns64

Specification	
Type	*object*

answer-only-disable

Description Disable Only translate the Answer Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-data

Description Set AA flag in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Generate Response by DNS Cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-query

Description Always change incoming AAAA DNS Query to A

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compress-disable

Description Disable Always try DNS Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-check-qr

Description Check DNS Question Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-check-rr-disable

Description Disable Check DNS Response Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-cname-disable

Description Disable Drop DNS CNAME Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

edns-append

Description Append EDNS Record when send A Query to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable DNS64 (Need to config this option before config any other dns64 options)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-append

Description Append translated Records when original Response only has Answer Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-rcode3-disable

Description Disable Ignore DNS error Response with rcode 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-qr-length

Description Max Question Record Length, default is 128

Type: number

Range: 1-1023

Default: 128

parallel-query

Description Forward AAAA Query & generate A Query in parallel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passive-query-disable

Description Disable Generate A query upon empty or error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retry

Description Retry count, default is 3 (Retry Number)

Type: number

Range: 0-15

Default: 3

single-response-disable

Description Disable Single Response which is used to avoid ambiguity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout to send additional Queries, unit: second, default is 1

Type: number

Range: 0-15

Default: 1

trans-ptr

Description Translate DNS PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trans-ptr-query

Description Translate DNS PTR Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify Max TTL in DNS Response, unit: second

Type: number

Range: 1-1000000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list-list

Specification	
Type	*list*
Block object keys	

name

Description Specify name of the port list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-config

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list-list_port-config

Specification	
Type	*list*
Block object keys	

original-port

Description Original port to be translated

Type: number

Range: 0-65535

translated-port

Description Port after translation

Type: number

Range: 0-65535

nat64

Specification	
Type	*object*

alg

Description: alg is a **JSON Block**. Please see below for *nat64_alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg*

enhanced-user-tracking

Description: enhanced-user-tracking is a **JSON Block**. Please see below for *nat64_enhanced-user-tracking*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/enhanced-user-tracking*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *nat64_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *nat64_full-cone-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *nat64_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/global*

prefix-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat64/prefix/{prefix-val}*

user-quota-session

Description: user-quota-session is a **JSON Block**. Please see below for *nat64_user-quota-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/user-quota-session*

nat64_fragmentation

Specification	
Type	*object*

df-bit-transparency

Description: df-bit-transparency is a **JSON Block**. Please see below for *nat64_fragmentation_df-bit-transparency*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency*

inbound

Description: inbound is a **JSON Block**. Please see below for *nat64_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *nat64_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/outbound*

nat64_fragmentation_inbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_fragmentation_outbound

Specification	
Type	*object*

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation (default); 'send-icmpv6': Send ICMPv6 Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_fragmentation_df-bit-transparency

Specification	
Type	*object*

df-bit-value

Description 'enable': Add an empty IPv6 fragmentation header if IPv4 DF bit is zero;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_alg

Specification	
Type	*object*

esp

Description: esp is a **JSON Block**. Please see below for *nat64_alg_esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *nat64_alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *nat64_alg_h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *nat64_alg_mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *nat64_alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *nat64_alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *nat64_alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *nat64_alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/tftp*

nat64_alg_ftp

Specification	
Type	*object*

ftp-enable

Description 'disable': Disable NAT64 FTP ALG;

Type: string

Supported Values: disable

trans-eprt-to-port

Description 'disable': disable;

Type: string

Supported Values: disable

trans-epsv-to-pasv

Description 'disable': disable;

Type: string

Supported Values: disable

trans-lprt-to-port

Description 'disable': disable;

Type: string

Supported Values: disable

trans-lpsv-to-pasv

Description 'disable': disable;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xlat-no-trans-pasv

Description 'enable': enable;

Type: string

Supported Values: enable

nat64_alg_sip

Specification	
Type	*object*

sip-enable

Description 'enable': Enable NAT64 SIP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_alg_esp

Specification	
Type	*object*

esp-enable

Description 'enable': Enable NAT64 ESP ALG;

Type: string

Supported Values: enable, enable-with-ctrl

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_alg_esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'nat-ip-conflict': NAT IP Conflict;

Type: string

Supported Values: all, session-created, nat-ip-conflict

nat64_alg_pptp

Specification	
Type	*object*

pptp-enable

Description 'enable': Enable NAT64 PPTP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_alg_rtsp

Specification	
Type	*object*

rtsp-enable

Description 'enable': Enable NAT64 RTSP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_alg_h323

Specification	
Type	*object*

h323-enable

Description 'enable': Enable NAT64 H323 ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_alg_tftp

Specification	
Type	*object*

tftp-enable

Description 'enable': Enable NAT64 TFTP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_alg_mgcp

Specification	
Type	*object*

mgcp-enable

Description 'enable': Enable NAT64 MGCP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_global

Specification	
Type	*object*

all

Description All packet sizes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force-non-zero-ipv4-id

Description Enable non-zero ID field in IPv4 header when no IPv6 Fragment for packet size more than 88 & less than or equal to 1280 bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp

Description: icmp is a **JSON Block**. Please see below for *nat64_global_icmp*

Type: Object

inside

Description: inside is a **JSON Block**. Please see below for *nat64_global_inside*

Type: Object

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *nat64_global_tcp*

Type: Object

user-quota-prefix-length

Description User Quota Prefix Length (Default: 128)

Type: number

Range: 1-128

Default: 128

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_global_inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *nat64_global_inside_source*

Type: Object

nat64_global_inside_source

Specification	
Type	*object*

class-list

Description Class-list to match for NAT64

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat64_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': Total TCP Ports Freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded': Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched; 'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'nat_mismatch_drop': NAT Pool Mismatch Drop; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'no_radius_profile_match': No RADIUS Profile Match; 'l3': Layer 3 Forwarded Packets; 'source_matches_prefix': Source Address Prefix Match Drop; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'no_class_list_match': No Class-List Match; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'prefix_quota_created': Total Prefix Quota Created; 'prefix_quota_put_in_del_q': Total Prefix Quota Freed; 'prefix_quota_failure': Total Prefix Quota Failure; 'total_user_quota_created': Total Quota Structure Created; 'total_user_quota_put_in_del_q': Total Quota Structure Freed; 'total_user_quota_failure': Total Quota Structure Failure; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped; 'user_quota_not_found':

User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched; 'nat_port_unavailable_other': Other NAT Port Unavailable; 'nat_port_unavailable': Total NAT Port Unavailable; 'new_user_resource_unavailable_tcp': TCP New User NAT Resource Unavailable; 'new_user_resource_unavailable_udp': UDP New User NAT Resource Unavailable; 'new_user_resource_unavailable_icmp': ICMP New User NAT Resource Unavailable; 'new_user_resource_unavailable_other': Other New User NAT Resource Unavailable; 'total_tcp_allocated_shadow': Total TCP Ports Allocated; 'total_tcp_freed_shadow': Total TCP Ports Freed; 'total_udp_allocated_shadow': Total UDP Ports Allocated; 'total_udp_freed_shadow': Total UDP Ports Freed; 'total_icmp_allocated_shadow': Total ICMP Ports Allocated; 'total_icmp_freed_shadow': Total ICMP Ports Freed; 'udp_alg_no_quota': UDP ALG User-Quota Not Found; 'udp_alg_eim_mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp_alg_no_nat_ip': UDP ALG User-Quota Unknown NAT IP; 'udp_alg_alloc_failure': UDP ALG Port Allocation Failure; 'sip_alg_no_quota': SIP ALG User-Quota Not Found; 'sip_alg_quota_inc_failure': SIP ALG User-Quota Exceeded; 'sip_alg_no_nat_ip': SIP ALG Unknown NAT IP; 'sip_alg_reuse_contact_fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip_alg_contact_fullcone_mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip_alg_alloc_contact_port_failure': SIP ALG Alloc Contact NAT Port Failure; 'sip_alg_create_contact_fullcone_failure': SIP ALG Create Contact Full-cone Session Failure; 'sip_alg_release_contact_port_failure': SIP ALG Release Contact NAT Port Failure; 'sip_alg_single_rtp_fullcone': SIP ALG Single RTP Full-cone Found; 'sip_alg_single_rtcp_fullcone': SIP ALG Single RTCP Full-cone Found; 'sip_alg_rtcp_fullcone_mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip_alg_reuse_rtp_rtcp_fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip_alg_alloc_rtp_rtcp_port_failure': SIP ALG Alloc RTP/RTCP NAT Ports Failure; 'sip_alg_alloc_single_port_failure': SIP ALG Alloc Single RTP or RTCP NAT Port Failure; 'sip_alg_create_single_fullcone_failure': SIP ALG Create Single RTP or RTCP Full-cone Session Failure; 'sip_alg_create_rtp_fullcone_failure': SIP ALG Create RTP Full-cone Session Failure; 'sip_alg_create_rtcp_fullcone_failure': SIP ALG Create RTCP Full-cone Session Failure; 'sip_alg_port_pair_alloc_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_alloc_from_partition': SIP ALG Port Pair Allocated From Partition; 'sip_alg_port_pair_alloc_from_quota_consecutive': SIP ALG Port Pair Allocated From Quota Consecutive; 'sip_alg_port_pair_alloc_from_quota_partition': SIP ALG Port Pair Allocated From Quota Partition; 'sip_alg_port_pair_alloc_from_quota_partition_error': SIP ALG Port Pair Allocated From Quota Partition Error; 'sip_alg_port_pair_allocated_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_allocated_from_partition': SIP ALG Port Pair Allocated From Partition; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created, data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp,

new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, fullcone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, l3, source_matches_prefix, lid_drop, lid_pass_through, no_class_list_match, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, prefix_quota_created, prefix_quota_put_in_del_q, prefix_quota_failure, total_user_quota_created, total_user_quota_put_in_del_q, total_user_quota_failure, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped, user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, fullcone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure, sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag

counters2

Description 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota; 'quota_extension_remove_not_found': Quota Extension Not Found on Remove; 'ha_sync_port_batch_sent': HA Port Batch Extension Sync Sent; 'ha_sync_port_batch_rcv': HA Port Batch Extension Sync Received; 'ha_send_port_batch_not_found': HA Port Batch Not Found on Sync Send; 'ha_rcv_port_not_in_port_batch': HA Port Not in Port Batch on Sync Rcv; 'bad_port_to_free': Freeing Bad Port; 'consecutive_port_free': Port Freed from Consecutive Pool; 'partition_port_free': Port Freed from Partition; 'port_allocated_from_quota_consecutive': Port Allocated from Quota Consecutive; 'port_allocated_from_quota_partition': Port Allocated from Quota Partition; 'port_freed_from_quota_consecutive': Port

Freed from Quota Consecutive; 'port_freed_from_quota_partition': Port Freed from Quota Partition; 'port_batch_allocated_to_quota': Port Batch Allocated to Quota; 'port_batch_freed_from_quota': Port Batch Freed From Quota; 'specific_port_allocated_from_quota_consecutive': Specific Port Allocated from Quota Consecutive; 'specific_port_allocated_from_quota_partition': Specific Port Allocated from Quota Partition; 'port_batch_container_alloc_failure': Port Batch Container Alloc Out of Memory; 'port_batch_container_alloc_race_free': Port Batch Container Race Free; 'port_overloading_destination_conflict': Port Overloading Destination Conflict; 'port_overloading_out_of_memory': Port Overloading Out of Memory; 'port_overloading_assign_user': Port Overloading Port Assign User; 'port_overloading_assign_user_port_batch': Port Overloading Port Assign User Port Batch; 'port_overloading_inc': Port Overloading Port Increment; 'port_overloading_dec_on_conflict': Port Overloading Port Decrement on Conflict; 'port_overloading_dec_on_free': Port Overloading Port Decrement on Free; 'port_overloading_free_port_on_conflict': Port Overloading Free Port on Conflict; 'port_overloading_free_port_batch_on_conflict': Port Overloading Free Port Batch on Conflict; 'port_overloading_inc_overflow': Port Overloading Inc Overflow; 'port_overloading_attempt_consecutive_ports': Port Overloading on Consecutive Ports; 'port_overloading_attempt_same_partition': Port Overloading on Same Partition; 'port_overloading_attempt_diff_partition': Port Overloading on Different Partition; 'port_overloading_attempt_failed': Port Overloading Attempt Failed; 'port_overloading_conn_free_retry_lookup': Port Overloading Conn Free Retry Lookup; 'port_overloading_conn_free_not_found': Port Overloading Conn Free Not Found; 'port_overloading_smp_mem_allocated': Port Overloading SMP Session Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not

Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'dst_prefix_mismatch': Destination Prefix Mismatch Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; '6rd_no_match_domain_drop': Sixrd Packets Domain Not Found; 'ha_prefix_not_found': HA No Matching Prefix Found;

Type: string

Supported Values: h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free, quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive, specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports, port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success

counters3

Description 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'dst_prefix_mismatch': Destination Prefix Mismatch Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; '6rd_no_match_domain_drop': Sixrd Packets Domain Not Found; 'ha_prefix_not_found': HA No Matching Prefix Found; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found; 'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive; 'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'adc_port_allocation_failed': ADC Port Allocation Failed; 'adc_port_allocation_ineligible': ADC Port Allocation Not Allowed; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP;

'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000; 'prefix_quota_mismatch': Prefix Quota NAT IP Mismatch;

Type: string

Supported Values: nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, standby_class_list_drop, dst_prefix_mismatch, fullcone_inbound_nat_pool_mismatch, 6rd_no_match_domain_drop, ha_prefix_not_found, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone, mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, adc_port_allocation_failed, adc_port_allocation_ineligible, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others,

rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4, prefix_quota_mismatch

nat64_global_tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *nat64_global_tcp_mss-clamp*

Type: Object

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *nat64_global_tcp_reset-on-error*

Type: Object

nat64_global_tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: 476))

Type: number

Range: 0-1420

Default: 476

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping; 'subtract': Specify the value to subtract from the TCP MSS (default: 20);

Type: string

Supported Values: fixed, none, subtract

Default: subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: 20)

Type: number

Range: 0-1420

Default: 20

mss-value

Description The max value allowed for the TCP MSS (default: not configured)

Type: number

Range: 0-1420

nat64_global_tcp_reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

nat64_global_icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

nat64_prefix-list

Specification	
Type	*list*
Block object keys	

class-list

Description Class-list to match for NAT64

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

prefix-val

Description NAT64 Prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat64_user-quota-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat64_enhanced-user-tracking

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite

Specification	
Type	*object*

alg

Description: alg is a **JSON Block**. Please see below for *ds-lite_alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *ds-lite_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/fragmentation*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *ds-lite_full-cone-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *ds-lite_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/global*

port-reservation-entries

Description: port-reservation-entries is a **JSON Block**. Please see below for *ds-lite_port-reservation-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/port-reservation-entries*

port-reservation-list

Type: List

Refernce Object: */axapi/v3/cgnv6/ds-lite/port-reservation/{inside}+{tunnel-dest-address}+{inside-addr}+{inside-start-port}+{inside-end-port}+{nat}+{nat-start-port}+{nat-end-port}*

user-quota-session

Description: user-quota-session is a **JSON Block**. Please see below for *ds-lite_user-quota-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/user-quota-session*

ds-lite_fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *ds-lite_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *ds-lite_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/fragmentation/outbound*

ds-lite_fragmentation_inbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 Fragmentation; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_fragmentation_outbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 Fragmentation; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMPv6 Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_alg

Specification	
Type	*object*

ftp

Description: ftp is a **JSON Block**. Please see below for *ds-lite_alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *ds-lite_alg_h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *ds-lite_alg_mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *ds-lite_alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *ds-lite_alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *ds-lite_alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *ds-lite_alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/tftp*

ds-lite_alg_ftp

Specification	
Type	*object*

ftp-enable

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_alg_sip

Specification	
Type	*object*

sip-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_alg_pptp

Specification	
Type	*object*

pptp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_alg_rtsp

Specification	
Type	*object*

rtsp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_alg_h323

Specification	
Type	*object*

h323-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_alg_tftp

Specification	
Type	*object*

tftp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_alg_mgcp

Specification	
Type	*object*

mgcp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_global

Specification	
Type	*object*

icmp

Description: icmp is a **JSON Block**. Please see below for *ds-lite_global_icmp*

Type: Object

inside

Description: inside is a **JSON Block**. Please see below for *ds-lite_global_inside*

Type: Object

ip-checksum-error

Description 'fix': Fix the bad checksum (default); 'drop': Drop packets with a bad checksum;

Type: string

Supported Values: fix, drop

Default: fix

l4-checksum-error

Description 'propagate': Propagate the bad checksum (default); 'fix': Fix the bad checksum; 'drop': Drop packets with a bad checksum;

Type: string

Supported Values: propagate, fix, drop

Default: propagate

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *ds-lite_global_tcp*

Type: Object

user-quota-prefix-length

Description User Quota Prefix Length (Default: 128)

Type: number

Range: 1-128

Default: 128

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_global_inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *ds-lite_global_inside_source*

Type: Object

ds-lite_global_inside_source

Specification	
Type	*object*

class-list

Description Class-list to match for DS-Lite

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ds-lite_global_tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *ds-lite_global_tcp_mss-clamp*

Type: Object

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *ds-lite_global_tcp_reset-on-error*

Type: Object

ds-lite_global_tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60 - 40))))

Type: number

Range: 0-1420

Default: 416

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping; 'subtract': Specify the value to subtract from the TCP MSS (default: 40);

Type: string

Supported Values: fixed, none, subtract

Default: subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: 40)

Type: number

Range: 0-1420

Default: 40

mss-value

Description The max value allowed for the TCP MSS (default: not configured)

Type: number

Range: 0-1420

ds-lite_global_tcp_reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

ds-lite_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': total_tcp_freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded': Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched; 'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'nat_mismatch_drop': NAT Pool Mismatch Drop; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'no_radius_profile_match': No RADIUS Profile Match; 'truncated_packet': Truncated Packet; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'no_class_list_match': No Class-List Match; 'class_list_permit_drop': Permit Class-List Drop; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped; 'user_quota_not_found': User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone ses-

sions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched; 'nat_port_unavailable_other': Other NAT Port Unavailable; 'nat_port_unavailable': Total NAT Port Unavailable; 'new_user_resource_unavailable_tcp': TCP New User NAT Resource Unavailable; 'new_user_resource_unavailable_udp': UDP New User NAT Resource Unavailable; 'new_user_resource_unavailable_icmp': ICMP New User NAT Resource Unavailable; 'new_user_resource_unavailable_other': Other New User NAT Resource Unavailable; 'total_tcp_allocated_shadow': Total TCP Ports Allocated; 'total_tcp_freed_shadow': Total TCP Ports Freed; 'total_udp_allocated_shadow': Total UDP Ports Allocated; 'total_udp_freed_shadow': Total UDP Ports Freed; 'total_icmp_allocated_shadow': Total ICMP Ports Allocated; 'total_icmp_freed_shadow': Total ICMP Ports Freed; 'udp_alg_no_quota': UDP ALG User-Quota Not Found; 'udp_alg_eim_mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp_alg_no_nat_ip': UDP ALG User-Quota Unknown NAT IP; 'udp_alg_alloc_failure': UDP ALG Port Allocation Failure; 'sip_alg_no_quota': SIP ALG User-Quota Not Found; 'sip_alg_quota_inc_failure': SIP ALG User-Quota Exceeded; 'sip_alg_no_nat_ip': SIP ALG Unknown NAT IP; 'sip_alg_reuse_contact_fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip_alg_contact_fullcone_mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip_alg_alloc_contact_port_failure': SIP ALG Alloc Contact NAT Port Failure; 'sip_alg_create_contact_fullcone_failure': SIP ALG Create Contact Full-cone Session Failure; 'sip_alg_release_contact_port_failure': SIP ALG Release Contact NAT Port Failure; 'sip_alg_single_rtp_fullcone': SIP ALG Single RTP Full-cone Found; 'sip_alg_single_rtcp_fullcone': SIP ALG Single RTCP Full-cone Found; 'sip_alg_rtcp_fullcone_mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip_alg_reuse_rtp_rtcp_fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip_alg_alloc_rtp_rtcp_port_failure': SIP ALG Alloc RTP/RTCP NAT Ports Failure; 'sip_alg_alloc_single_port_failure': SIP ALG Alloc Single RTP or RTCP NAT Port Failure; 'sip_alg_create_single_fullcone_failure': SIP ALG Create Single RTP or RTCP Full-cone Session Failure; 'sip_alg_create_rtp_fullcone_failure': SIP ALG Create RTP Full-cone Session Failure; 'sip_alg_create_rtcp_fullcone_failure': SIP ALG Create RTCP Full-cone Session Failure; 'sip_alg_port_pair_alloc_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_alloc_from_partition': SIP ALG Port Pair Allocated From Partition; 'sip_alg_port_pair_alloc_from_quota_consecutive': SIP ALG Port Pair Allocated From Quota Consecutive; 'sip_alg_port_pair_alloc_from_quota_partition': SIP ALG Port Pair Allocated From Quota Partition; 'sip_alg_port_pair_alloc_from_quota_partition_error': SIP ALG Port Pair Allocated From Quota Partition Error; 'sip_alg_port_pair_allocated_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_allocated_from_partition': SIP ALG Port Pair Allocated From Partition; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free; 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created,

data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp, new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, fullcone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, truncated_packet, lid_drop, lid_pass_through, no_class_list_match, class_list_permit_drop, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, prefix_quota_created, prefix_quota_put_in_del_q, prefix_quota_failure, total_user_quota_created, total_user_quota_put_in_del_q, total_user_quota_failure, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped, user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, fullcone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure, sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag

counters2

Description ‘quota_extension_remove_not_found’: Quota Extension Not Found on Remove; ‘ha_sync_port_batch_sent’: HA Port Batch Extension Sync Sent; ‘ha_sync_port_batch_rcv’: HA Port Batch Extension Sync Received; ‘ha_send_port_batch_not_found’: HA Port Batch Not Found on Sync Send; ‘ha_rcv_port_not_in_port_batch’: HA Port Not in Port Batch on Sync Rcv; ‘bad_port_to_free’: Freeing Bad Port; ‘consecutive_port_free’: Port Freed from Consecutive Pool; ‘partition_port_free’: Port Freed from Partition; ‘port_allocated_from_quota_consecutive’: Port Allocated from Quota Consecutive; ‘port_allocated_from_quota_partition’: Port Allocated from Quota Partition; ‘port_freed_from_quota_consecutive’: Port Freed from Quota Consecutive; ‘port_freed_from_quota_partition’: Port Freed from Quota Partition; ‘port_batch_allocated_to_quota’: Port Batch Allocated to Quota; ‘port_batch_freed_from_quota’: Port Batch Freed From Quota; ‘spe-

cific_port_allocated_from_quota_consecutive': Specific Port Allocated from Quota Consecutive; 'specific_port_allocated_from_quota_partition': Specific Port Allocated from Quota Partition; 'port_batch_container_alloc_failure': Port Batch Container Alloc Out of Memory; 'port_batch_container_alloc_race_free': Port Batch Container Race Free; 'port_overloading_destination_conflict': Port Overloading Destination Conflict; 'port_overloading_out_of_memory': Port Overloading Out of Memory; 'port_overloading_assign_user': Port Overloading Port Assign User; 'port_overloading_assign_user_port_batch': Port Overloading Port Assign User Port Batch; 'port_overloading_inc': Port Overloading Port Increment; 'port_overloading_dec_on_conflict': Port Overloading Port Decrement on Conflict; 'port_overloading_dec_on_free': Port Overloading Port Decrement on Free; 'port_overloading_free_port_on_conflict': Port Overloading Free Port on Conflict; 'port_overloading_free_port_batch_on_conflict': Port Overloading Free Port Batch on Conflict; 'port_overloading_inc_overflow': Port Overloading Inc Overflow; 'port_overloading_attempt_consecutive_ports': Port Overloading on Consecutive Ports; 'port_overloading_attempt_same_partition': Port Overloading on Same Partition; 'port_overloading_attempt_diff_partition': Port Overloading on Different Partition; 'port_overloading_attempt_failed': Port Overloading Attempt Failed; 'port_overloading_conn_free_retry_lookup': Port Overloading Conn Free Retry Lookup; 'port_overloading_conn_free_not_found': Port Overloading Conn Free Not Found; 'port_overloading_smp_mem_allocated': Port Overloading SMP Session Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'bad_ip_tot_len': Bad IPv4 Total Length; 'ip_checksum_verified': IP Checksum Veri-

fied; 'ip_checksum_fixed': IP Checksum Fixed; 'ip_checksum_bad_drop': IP Checksum Bad Drop; 'ip_frag_checksum_fixed': IP Frag Checksum Fixed; 'l4_checksum_verified': L4 Checksum Verified; 'l4_checksum_fixed': L4 Checksum Fixed; 'l4_checksum_bad_drop': L4 Checksum Bad Drop; 'jumbo_list_bad_l4_len': Jumbo List Bad L4 Len; 'frag_list_bad_l4_len': Frag List Bad L4 Len;

Type: string

Supported Values: h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free, quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive, specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports, port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success

counters3

Description 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'bad_ip_tot_len': Bad IPv4 Total Length; 'ip_checksum_verified': IP Checksum Verified; 'ip_checksum_fixed': IP Checksum Fixed; 'ip_checksum_bad_drop': IP Checksum Bad Drop; 'ip_frag_checksum_fixed': IP Frag Checksum Fixed; 'l4_checksum_verified': L4 Checksum Verified; 'l4_checksum_fixed': L4 Checksum Fixed; 'l4_checksum_bad_drop': L4 Checksum Bad Drop; 'jumbo_list_bad_l4_len': Jumbo List Bad L4 Len; 'frag_list_bad_l4_len': Frag List Bad L4 Len; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found; 'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive; 'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp':

Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP; 'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000; 'prefix_quota_mismatch': Prefix Quota NAT IP Mismatch;

Type: string

Supported Values: nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, standby_class_list_drop, full-cone_inbound_nat_pool_mismatch, bad_ip_tot_len, ip_checksum_verified, ip_checksum_fixed, ip_checksum_bad_drop, ip_frag_checksum_fixed, l4_checksum_verified, l4_checksum_fixed, l4_checksum_bad_drop, jumbo_list_bad_l4_len, frag_list_bad_l4_len, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone, mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp,

fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others, rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4, prefix_quota_mismatch

ds-lite_global_icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

ds-lite_port-reservation-list

Specification	
Type	*list*
Block object keys	

inside

Description Inside User Address and Port Range (DS-Lite Inside User's Tunnel Source IPv6 Address)

Type: string

Format: ipv6-address

inside-addr

Description Inside User IP address

Type: string

Format: ipv4-address

inside-end-port

Description Inside End Port

Type: number

Range: 1-65535

inside-start-port

Description Inside Start Port

Type: number

Range: 1-65535

nat

Description NAT Port Range (NAT IP address)

Type: string

Format: ipv4-address

nat-end-port

Description NAT End Port

Type: number

Range: 1-65535

nat-start-port

Description NAT Start Port

Type: number

Range: 1-65535

tunnel-dest-address

Description DS-Lite Inside User's Tunnel Destination IPv6 Address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_user-quota-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ds-lite_port-reservation-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64-virtualserver-list

Specification	
Type	*list*
Block object keys	

enable-disable-action

Description 'enable': Enable Virtual Server (default); 'disable': Disable Virtual Server;

Type: string

Supported Values: enable, disable

Default: enable

ethernet

Description Ethernet interface

Type: number

Format: interface

ip-address

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address ipv6-address and use-if-ip are mutually exclusive

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ip-address and use-if-ip are mutually exclusive

name

Description CGNV6 Virtual Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask-brief

policy

Description Policy template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-list

Type: List

Refernce Object: */axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}*

template-policy

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/policy*

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip ipv6-address and ip-address are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a vrrp group (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

dns64-virtualserver-list_port-list

Specification	
Type	*list*
Block object keys	

acl-id-list

Type: List

acl-name-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

port-number

Description Port

Type: number

Range: 0-65534

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'dns-udp': DNS service over UDP;

Type: string

Supported Values: dns-udp

sampling-enable

Type: List

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/service-group*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/dns*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/policy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64-virtualserver-list_port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connection; 'total_l4_conn': Total L4 connections; 'total_l7_conn': Total L7 connections; 'toatal_tcp_conn': Total TCP connections; 'total_conn': Total connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_dns_pkts': Total DNS packets; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total failure actions; 'compression_bytes_before': Data into compression engine; 'compression_bytes_after': Data out of compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn':

Peak connections; 'curr_conn_rate': Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, toatal_tcp_conn, total_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time

dns64-virtualserver-list_port-list_acl-name-list

Specification	
Type	*list*
Block object keys	

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

dns64-virtualserver-list_port-list_acl-id-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

scaleout

Specification	
Type	*object*

address-mapping

Description: address-mapping is a **JSON Block**. Please see below for *scaleout_address-mapping*

Type: Object

Refernce Object: */axapi/v3/cgnv6/scaleout/address-mapping*

nat-ip-hashing-scheme

Description: nat-ip-hashing-scheme is a **JSON Block**. Please see below for *scaleout_nat-ip-hashing-scheme*

Type: Object

Refernce Object: */axapi/v3/cgnv6/scaleout/nat-ip-hashing-scheme*

scaleout_address-mapping

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

scaleout_nat-ip-hashing-scheme

Specification	
Type	*object*

hashing-type

Description 'route-aggregation': Chunk contiguous NAT IPs for route aggregation(default); 'mod-user-groups': Hash NAT IPs by taking mod of user-groups;

Type: string

Supported Values: route-aggregation, mod-user-groups

Default: route-aggregation

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nptv6

Specification	
Type	*object*

common

Description: common is a **JSON Block**. Please see below for *nptv6_common*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nptv6/common*

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nptv6/domain/{name}*

nptv6_domain-list

Specification	
Type	*list*
Block object keys	

inside-prefix

Description Configure inside network prefix (Inside IPv6 network prefix)

Type: string

Format: ipv6-address-plen

name

Description Name of NPTv6 domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

outside-prefix

Description Configure outside network prefix (Outside IPv6 network prefix)

Type: string

Format: ipv6-address-plen

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nptv6_domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound-packets': Outbound Packets; 'inbound-packets': Inbound Packets; 'hairpin-packets': Hairpin Packets; 'address-not-valid-for-translation': Address Not Valid For Translation; 'inbound-packets-no-map': Inbound Packets No Map; 'packets-dest-unreachable': Packets Destination Unreachable;

Type: string

Supported Values: all, outbound-packets, inbound-packets, hairpin-packets, address-not-valid-for-translation, inbound-packets-no-map, packets-dest-unreachable

nptv6_common

Specification	
Type	*object*

send-icmpv6-on-error

Description 'disable': Disable to send ICMPv6 when error discovered;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-usage

Specification	
Type	*object*

fixed-nat-inside-user-count

Description Total configurable CGNV6 Fixed NAT inside users

Type: number

fixed-nat-ip-addr-count

Description Total configurable CGNV6 Fixed NAT addresses

Type: number

lsn-nat-addr-count

Description Total configurable CGNV6 NAT Pool addresses

Type: number

radius-table-size

Description Total configurable CGNV6 RADIUS Table entries

Type: number

stateless-entries

Description: stateless-entries is a **JSON Block**. Please see below for *resource-usage_stateless-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/resource-usage/stateless-entries*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-usage_stateless-entries

Specification	
Type	*object*

l4-session-count

Description Helper size for CGN Stateless Technologies

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

one-to-one

Specification	
Type	*object*

global

Description: global is a **JSON Block**. Please see below for *one-to-one_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/global*

mapping

Description: mapping is a **JSON Block**. Please see below for *one-to-one_mapping*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/mapping*

pool-group-list

Type: List

Refernce Object: */axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}*

pool-list

Type: List

Refernce Object: */axapi/v3/cgnv6/one-to-one/pool/{pool-name}*

shared-pool

Description: shared-pool is a **JSON Block**. Please see below for *one-to-one_shared-pool*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/shared-pool*

shared-pool-group

Description: shared-pool-group is a **JSON Block**. Please see below for *one-to-one_shared-pool-group*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/shared-pool-group*

one-to-one_shared-pool

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

one-to-one_pool-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid

Type: number

Range: 1-31

one-to-one_pool-group-list_member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify CGNv6 one-to-one pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

one-to-one_global

Specification	
Type	*object*

mapping-timeout

Description Configure timeout for the one-to-one NAT mapping (Timeout in minutes (default: 10 minutes))

Type: number

Range: 0-180

Default: 10

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

one-to-one_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-map-allocated': Total One-to-One Address Mapping Allocated; 'total-map-freed': Total One-to-One Address Mapping Freed; 'map-alloc-failure': One-to-One Address Mapping Allocation Failure; 'map-dbl-free': Address Mapping Double Free; 'alloc-map-race': Mapping Exists When Allocating Address Mapping; 'map-not-found': Mapping to be Released Not Found; 'ha-map-mismatch': HA Standby Mapping Mismatch; 'ha-select-addr-failure': HA Standby Allocate Address Failure; 'ha-alloc-map-conflicts': HA Standby Allocate Mapping Conflicts;

Type: string

Supported Values: all, total-map-allocated, total-map-freed, map-alloc-failure, map-dbl-free, alloc-map-race, map-not-found, ha-map-mismatch, ha-select-addr-failure, ha-alloc-map-conflicts

one-to-one_mapping

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

one-to-one_shared-pool-group

Specification	
Type	*object*

members

Description: members is a **JSON Block**. Please see below for *one-to-one_shared-pool-group_members*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/shared-pool-group/members*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

one-to-one_shared-pool-group_members

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

one-to-one_pool-list

Specification	
Type	*list*
Block object keys	

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

group

Description Share with a partition group (Partition Group Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

partition

Description Share with a single partition (Partition Name)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Share this pool with other partitions (default: not shared)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

logging

Specification	
Type	*object*

nat-quota-exceeded

Description: nat-quota-exceeded is a **JSON Block**. Please see below for *logging_nat-quota-exceeded*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging/nat-quota-exceeded*

nat-resource-exhausted

Description: nat-resource-exhausted is a **JSON Block**. Please see below for *logging_nat-resource-exhausted*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging/nat-resource-exhausted*

sampling-enable

Type: List

source-address

Description: source-address is a **JSON Block**. Please see below for *logging_source-address*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging/source-address*

tcp-svr-status

Description: tcp-svr-status is a **JSON Block**. Please see below for *logging_tcp-svr-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging/tcp-svr-status*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging_tcp-svr-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging_source-address

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging_nat-quota-exceeded

Specification	
Type	*object*

level

Description 'warning': Log level Warning (Default); 'critical': Log level Critical; 'notice': Log level Notice;

Type: string

Supported Values: warning, critical, notice

Default: warning

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp-session-created': TCP Session Created; 'tcp-session-deleted': TCP Session Deleted; 'tcp-port-allocated': TCP Port Allocated; 'tcp-port-freed': TCP Port Freed; 'tcp-port-batch-allocated': TCP Port Batch Allocated; 'tcp-port-batch-freed': TCP Port Batch Freed; 'udp-session-created': UDP Session Created; 'udp-session-deleted': UDP Session Deleted; 'udp-port-allocated': UDP Port Allocated; 'udp-port-freed': UDP Port Freed; 'udp-port-batch-allocated': UDP Port Batch Allocated; 'udp-port-batch-freed': UDP Port

Batch Freed; 'icmp-session-created': ICMP Session Created; 'icmp-session-deleted': ICMP Session Deleted; 'icmp-resource-allocated': ICMP Resource Allocated; 'icmp-resource-freed': ICMP Resource Freed; 'icmpv6-session-created': ICMPV6 Session Created; 'icmpv6-session-deleted': ICMPV6 Session Deleted; 'icmpv6-resource-allocated': ICMPV6 Resource Allocated; 'icmpv6-resource-freed': ICMPV6 Resource Freed; 'gre-session-created': GRE Session Created; 'gre-session-deleted': GRE Session Deleted; 'gre-resource-allocated': GRE Resource Allocated; 'gre-resource-freed': GRE Resource Freed; 'esp-session-created': ESP Session Created; 'esp-session-deleted': ESP Session Deleted; 'esp-resource-allocated': ESP Resource Allocated; 'esp-resource-freed': ESP Resource Freed; 'fixed-nat-user-ports': Fixed NAT Inside User Port Mapping; 'fixed-nat-disable-config-logged': Fixed NAT Periodic Configs Logged; 'fixed-nat-disable-config-logs-sent': Fixed NAT Periodic Config Logs Sent; 'fixed-nat-periodic-config-logs-sent': Fixed NAT Disabled Configs Logged; 'fixed-nat-periodic-config-logged': Fixed NAT Disabled Config Logs Sent; 'log-sent': Log Packets Sent; 'log-dropped': Log Packets Dropped; 'conn-tcp-established': TCP Connection Established; 'conn-tcp-dropped': TCP Connection Lost; 'tcp-port-overloading-allocated': TCP Port Overloading Allocated; 'tcp-port-overloading-freed': TCP Port Overloading Freed; 'udp-port-overloading-allocated': UDP Port Overloading Allocated; 'udp-port-overloading-freed': UDP Port Overloading Freed; 'http-request-logged': HTTP Request Logged; 'out-of-buffers': Out of Buffers; 'add-msg-failed': Add Message to Buffer Failed; 'rtsp-port-allocated': RTSP UDP Port Allocated; 'rtsp-port-freed': RTSP UDP Port Freed; 'conn-tcp-create-failed': TCP Connection Failed; 'ipv4-frag-applied': IPv4 Fragmentation Applied; 'ipv4-frag-failed': IPv4 Fragmentation Failed; 'ipv6-frag-applied': IPv6 Fragmentation Applied; 'ipv6-frag-failed': IPv6 Fragmentation Failed;

Type: string

Supported Values: all, tcp-session-created, tcp-session-deleted, tcp-port-allocated, tcp-port-freed, tcp-port-batch-allocated, tcp-port-batch-freed, udp-session-created, udp-session-deleted, udp-port-allocated, udp-port-freed, udp-port-batch-allocated, udp-port-batch-freed, icmp-session-created, icmp-session-deleted, icmp-resource-allocated, icmp-resource-freed, icmpv6-session-created, icmpv6-session-deleted, icmpv6-resource-allocated, icmpv6-resource-freed, gre-session-created, gre-session-deleted, gre-resource-allocated, gre-resource-freed, esp-session-created, esp-session-deleted, esp-resource-allocated, esp-resource-freed, fixed-nat-user-ports, fixed-nat-disable-config-logged, fixed-nat-disable-config-logs-sent, fixed-nat-periodic-config-logs-sent, fixed-nat-periodic-config-logged, fixed-nat-interim-updated, enhanced-user-log, log-sent, log-dropped, conn-tcp-established, conn-tcp-dropped, tcp-port-overloading-allocated, tcp-port-overloading-freed, udp-port-overloading-allocated, udp-port-overloading-freed, http-request-logged, reduced-logs-by-destination, out-of-buffers, add-msg-failed, rtsp-port-allocated, rtsp-port-freed, conn-tcp-create-failed, ipv4-frag-applied, ipv4-frag-failed, ipv6-frag-applied, ipv6-frag-failed, interim-update-scheduled, interim-update-schedule-failed, interim-update-terminated, interim-update-memory-freed, interim-update-no-buff-retried, tcp-port-batch-interim-updated, udp-port-batch-interim-updated, port-block-accounting-freed, port-block-accounting-allocated, log-message-too-long, http-out-of-order-dropped, http-alloc-failed, http-frag-merge-failed-dropped, http-malloc, http-mfree, http-spm-alloc-type0, http-spm-alloc-type1, http-spm-alloc-type2, http-spm-alloc-type3, http-spm-alloc-type4, http-spm-free-type0, http-spm-free-type1, http-spm-free-type2, http-spm-free-type3, http-spm-free-type4, iddos-l3-entry-create, iddos-l3-entry-delete, iddos-l4-entry-create, iddos-l4-entry-delete

logging_nat-resource-exhausted

Specification	
Type	*object*

level

Description 'warning': Log level Warning; 'critical': Log level Critical (Default); 'notice': Log level Notice;

Type: string

Supported Values: warning, critical, notice

Default: critical

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-rule-list-list

Specification	
Type	*list*
Block object keys	

default

Description: default is a **JSON Block**. Please see below for *lsn-rule-list-list_default*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/default*

domain-ip

Description: domain-ip is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-ip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip*

domain-list-name-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}*

domain-name-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}*

http-match-domain-name

Description Enable match domain name in http request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}*

name

Description LSN Rule-List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-rule-list-list_domain-ip

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-rule-list-list_domain-ip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

lsn-rule-list-list_default

Specification	
Type	*object*

rule-cfg

Type: List

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-rule-list-list_default_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

lsn-rule-list-list_default_rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_default_rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_default_rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_default_rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_default_rule-cfg_udp-cfg*

Type: Object

lsn-rule-list-list_default_rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_default_rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_default_rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40':

101000; ‘41’: 101001; ‘42’: 101010; ‘43’: 101011; ‘44’: 101100; ‘45’: 101101; ‘46’: 101110; ‘47’: 101111; ‘48’: 110000; ‘49’: 110001; ‘50’: 110010; ‘51’: 110011; ‘52’: 110100; ‘53’: 110101; ‘54’: 110110; ‘55’: 110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description ‘default’: Default dscp (000000); ‘af11’: AF11 (001010); ‘af12’: AF12 (001100); ‘af13’: AF13 (001110); ‘af21’: AF21 (010010); ‘af22’: AF22 (010100); ‘af23’: AF23 (010110); ‘af31’: AF31 (011010); ‘af32’: AF32 (011100); ‘af33’: AF33 (011110); ‘af41’: AF41 (100010); ‘af42’: AF42 (100100); ‘af43’: AF43 (100110); ‘cs1’: CS1 (001000); ‘cs2’: CS2 (010000); ‘cs3’: CS3 (011000); ‘cs4’: CS4 (100000); ‘cs5’: CS5 (101000); ‘cs6’: CS6 (110000); ‘cs7’: CS7 (111000); ‘ef’: EF (101110); ‘0’: 000000; ‘1’: 000001; ‘2’: 000010; ‘3’: 000011; ‘4’: 000100; ‘5’: 000101; ‘6’: 000110; ‘7’: 000111; ‘8’: 001000; ‘9’: 001001; ‘10’: 001010; ‘11’: 001011; ‘12’: 001100; ‘13’: 001101; ‘14’: 001110; ‘15’: 001111; ‘16’: 010000; ‘17’: 010001; ‘18’: 010010; ‘19’: 010011; ‘20’: 010100; ‘21’: 010101; ‘22’: 010110; ‘23’: 010111; ‘24’: 011000; ‘25’: 011001; ‘26’: 011010; ‘27’: 011011; ‘28’: 011100; ‘29’: 011101; ‘30’: 011110; ‘31’: 011111; ‘32’: 100000; ‘33’: 100001; ‘34’: 100010; ‘35’: 100011; ‘36’: 100100; ‘37’: 100101; ‘38’: 100110; ‘39’: 100111; ‘40’: 101000; ‘41’: 101001; ‘42’: 101010; ‘43’: 101011; ‘44’: 101100; ‘45’: 101101; ‘46’: 101110; ‘47’: 101111; ‘48’: 110000; ‘49’: 110001; ‘50’: 110010; ‘51’: 110011; ‘52’: 110100; ‘53’: 110101; ‘54’: 110110; ‘55’: 110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

lsn-rule-list-list_default_rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description ‘action’: LSN Rule-List Action; ‘no-action’: Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description ‘dnat’: Apply Dest NAT; ‘drop’: Drop the Packets; ‘pass-through’: Pass the Packets Through; ‘snat’: Redirect the Packets to a Different Source NAT Pool; ‘set-dscp’: To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_ip-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description Configure a Specific Rule-Set (IP Network Address)

Type: string

Format: ipv4-cidr

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-rule-list-list_ip-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

lsn-rule-list-list_ip-list_rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_ip-list_rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_ip-list_rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_ip-list_rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_ip-list_rule-cfg_udp-cfg*

Type: Object

lsn-rule-list-list_ip-list_rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'idle-timeout': Configure idle timeout;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, idle-timeout

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

fast

Description 'fast': Fast Aging;

Type: string

Supported Values: fast

Mutual Exclusion: fast and timeout-val are mutually exclusive

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

timeout-val

Description Timeout in seconds

Type: number

Range: 2-129600

Mutual Exclusion: timeout-val and fast are mutually exclusive

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_ip-list_rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template; 'idle-timeout': Configure idle timeout;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template, idle-timeout

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

fast

Description 'fast': Fast Aging;

Type: string

Supported Values: fast

Mutual Exclusion: fast and timeout-val are mutually exclusive

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

timeout-val

Description Timeout in seconds

Type: number

Range: 2-129600

Mutual Exclusion: timeout-val and fast are mutually exclusive

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_ip-list_rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41':

AF41 (100010); ‘af42’: AF42 (100100); ‘af43’: AF43 (100110); ‘cs1’: CS1 (001000); ‘cs2’: CS2 (010000); ‘cs3’: CS3 (011000); ‘cs4’: CS4 (100000); ‘cs5’: CS5 (101000); ‘cs6’: CS6 (110000); ‘cs7’: CS7 (111000); ‘ef’: EF (101110); ‘0’: 000000; ‘1’: 000001; ‘2’: 000010; ‘3’: 000011; ‘4’: 000100; ‘5’: 000101; ‘6’: 000110; ‘7’: 000111; ‘8’: 001000; ‘9’: 001001; ‘10’: 001010; ‘11’: 001011; ‘12’: 001100; ‘13’: 001101; ‘14’: 001110; ‘15’: 001111; ‘16’: 010000; ‘17’: 010001; ‘18’: 010010; ‘19’: 010011; ‘20’: 010100; ‘21’: 010101; ‘22’: 010110; ‘23’: 010111; ‘24’: 011000; ‘25’: 011001; ‘26’: 011010; ‘27’: 011011; ‘28’: 011100; ‘29’: 011101; ‘30’: 011110; ‘31’: 011111; ‘32’: 100000; ‘33’: 100001; ‘34’: 100010; ‘35’: 100011; ‘36’: 100100; ‘37’: 100101; ‘38’: 100110; ‘39’: 100111; ‘40’: 101000; ‘41’: 101001; ‘42’: 101010; ‘43’: 101011; ‘44’: 101100; ‘45’: 101101; ‘46’: 101110; ‘47’: 101111; ‘48’: 110000; ‘49’: 110001; ‘50’: 110010; ‘51’: 110011; ‘52’: 110100; ‘53’: 110101; ‘54’: 110110; ‘55’: 110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

lsn-rule-list-list_ip-list_rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description ‘action’: LSN Rule-List Action; ‘no-action’: Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description ‘dnat’: Apply Dest NAT; ‘drop’: Drop the Packets; ‘one-to-one-snat’: Apply one-to-one source NAT for the packets; ‘pass-through’: Pass the Packets Through; ‘snat’: Redirect the Packets to a Different Source NAT Pool; ‘set-dscp’: To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description ‘inbound’: To set dscp value for inbound packets; ‘outbound’: To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description ‘default’: Default dscp (000000); ‘af11’: AF11 (001010); ‘af12’: AF12 (001100); ‘af13’: AF13 (001110); ‘af21’: AF21 (010010); ‘af22’: AF22 (010100); ‘af23’: AF23 (010110); ‘af31’: AF31 (011010); ‘af32’: AF32 (011100); ‘af33’: AF33 (011110); ‘af41’: AF41 (100010); ‘af42’: AF42 (100100); ‘af43’: AF43 (100110); ‘cs1’: CS1 (001000); ‘cs2’:

CS2 (010000); ‘cs3’: CS3 (011000); ‘cs4’: CS4 (100000); ‘cs5’: CS5 (101000); ‘cs6’: CS6 (110000); ‘cs7’: CS7 (111000); ‘ef’: EF (101110); ‘0’: 000000; ‘1’: 000001; ‘2’: 000010; ‘3’: 000011; ‘4’: 000100; ‘5’: 000101; ‘6’: 000110; ‘7’: 000111; ‘8’: 001000; ‘9’: 001001; ‘10’: 001010; ‘11’: 001011; ‘12’: 001100; ‘13’: 001101; ‘14’: 001110; ‘15’: 001111; ‘16’: 010000; ‘17’: 010001; ‘18’: 010010; ‘19’: 010011; ‘20’: 010100; ‘21’: 010101; ‘22’: 010110; ‘23’: 010111; ‘24’: 011000; ‘25’: 011001; ‘26’: 011010; ‘27’: 011011; ‘28’: 011100; ‘29’: 011101; ‘30’: 011110; ‘31’: 011111; ‘32’: 100000; ‘33’: 100001; ‘34’: 100010; ‘35’: 100011; ‘36’: 100100; ‘37’: 100101; ‘38’: 100110; ‘39’: 100111; ‘40’: 101000; ‘41’: 101001; ‘42’: 101010; ‘43’: 101011; ‘44’: 101100; ‘45’: 101101; ‘46’: 101110; ‘47’: 101111; ‘48’: 110000; ‘49’: 110001; ‘50’: 110010; ‘51’: 110011; ‘52’: 110100; ‘53’: 110101; ‘54’: 110110; ‘55’: 110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_domain-list-name-list

Specification	
Type	*list*
Block object keys	

name-domain-list

Description Configure a Specific Rule-Set (Domain List Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-rule-list-list_domain-list-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

lsn-rule-list-list_domain-list-name-list_rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-list-name-list_rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-list-name-list_rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-list-name-list_rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-list-name-list_rule-cfg_udp-cfg*

Type: Object

lsn-rule-list-list_domain-list-name-list_rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_domain-list-name-list_rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_domain-list-name-list_rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000;

'1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

lsn-rule-list-list_domain-list-name-list_rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_domain-name-list

Specification	
Type	*list*
Block object keys	

name-domain

Description Configure a Specific Rule-Set (Domain Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-rule-list-list_domain-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

lsn-rule-list-list_domain-name-list_rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-name-list_rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-name-list_rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-name-list_rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *lsn-rule-list-list_domain-name-list_rule-cfg_udp-cfg*

Type: Object

lsn-rule-list-list_domain-name-list_rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55':

110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_domain-name-list_rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16':

010000; ‘17’: 010001; ‘18’: 010010; ‘19’: 010011; ‘20’: 010100; ‘21’: 010101; ‘22’: 010110; ‘23’: 010111; ‘24’: 011000; ‘25’: 011001; ‘26’: 011010; ‘27’: 011011; ‘28’: 011100; ‘29’: 011101; ‘30’: 011110; ‘31’: 011111; ‘32’: 100000; ‘33’: 100001; ‘34’: 100010; ‘35’: 100011; ‘36’: 100100; ‘37’: 100101; ‘38’: 100110; ‘39’: 100111; ‘40’: 101000; ‘41’: 101001; ‘42’: 101010; ‘43’: 101011; ‘44’: 101100; ‘45’: 101101; ‘46’: 101110; ‘47’: 101111; ‘48’: 110000; ‘49’: 110001; ‘50’: 110010; ‘51’: 110011; ‘52’: 110100; ‘53’: 110101; ‘54’: 110110; ‘55’: 110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

lsn-rule-list-list_domain-name-list_rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

lsn-rule-list-list_domain-name-list_rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

service-group-list

Specification	
Type	*list*
Block object keys	

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

member-list

Type: List

Refernce Object: */axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}*

name

Description CGNV6 Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

shared

Description Share with partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-group

Description Share with a partition group (Partition Group Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: shared-group and shared-partition are mutually exclusive

shared-partition

Description Share with a single partition (Partition Name)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: shared-partition and shared-group are mutually exclusive

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Service selection fail drop; 'server_selection_fail_reset': Service selection fail reset; 'service_peak_conn': Service peak connection;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn

service-group-list_member-list

Specification	
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests success; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

http-alg

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-alg_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-processed': HTTP Request Processed; 'request-insert-msisdn-performed': HTTP MSISDN Insertion Performed; 'request-insert-client-ip-performed': HTTP Client IP Insertion Performed; 'request-insert-msisdn-unavailable': Inserted MSISDN is 0000 (MSISDN Unavailable); 'queued-session-too-many': Queued Session Exceed Drop; 'radius-query-succeed': MSISDN Query Succeed; 'radius-query-failed': MSISDN Query Failed; 'radius-requst-sent': Query Request Sent; 'radius-requst-dropped': Query Request Dropped; 'radius-response-received': Query Response Received; 'radius-response-dropped': Query Response Dropped; 'out-of-memory-dropped': Out-of-Memory Dropped; 'queue-len-exceed-dropped': Queue Length Exceed Dropped; 'out-of-order-dropped': Packet Out-of-Order Dropped; 'buff-resent': Packet Resent from Queue; 'buff-spilt-failed': Buff Split Failed; 'header-insertion-failed': Buff Insertion Failed; 'header-removal-failed': Buff Removal Failed; 'no-queue': No Queue;

Type: string

Supported Values: all, request-processed, request-insert-msisdn-performed, request-insert-client-ip-performed, request-insert-msisdn-unavailable, queued-session-too-many, radius-query-succeed, radius-query-failed, radius-requst-sent, radius-requst-dropped, radius-response-received, radius-response-dropped, out-of-memory-dropped, queue-len-exceed-dropped, out-of-order-dropped, buff-resent, buff-spilt-failed, header-insertion-failed, header-removal-failed, no-queue

ecmp

Specification	
Type	*object*

hashing-type

Description '4-tuple-hash': Hash on Src IP , Src Port, Dest IP and Dest Port;

Type: string

Supported Values: 4-tuple-hash

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-radius-profile-list

Specification	
Type	*list*
Block object keys	

lid-profile-index

Description LSN RADIUS Profile Index

Type: number

Range: 1-16

radius

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-radius-profile-list_radius

Specification	
Type	*list*
Block object keys	

attribute

Description 'custom1': Configure RADIUS Attribute Custom 1; 'custom2': Configure RADIUS Attribute Custom 2; 'custom3': Configure RADIUS Attribute Custom 3; 'imei': Configure RADIUS Attribute IMEI; 'imsi': Configure RADIUS Attribute IMSI; 'msisdn': Configure RADIUS Attribute MSISDN; 'default': Configure default;

Type: string

Supported Values: custom1, custom2, custom3, custom4, custom5, custom6, imei, imsi, msisdn, default

default-lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

exact-value

Description Value of the attribute

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

exact-value-lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

starts-with

Description Value of the attribute

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

starts-with-lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

server-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server;

Type: string

Supported Values: enable, disable

Default: enable

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

host

Description IP Address

Type: string

Format: ipv4-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

port-list

Type: List

Refernce Object: */axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-list_port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port and health-check are mutually exclusive

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-list_port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total request success; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy Response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time

server-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr-conn': Current connections; 'total-conn': Total connections; 'fwd-pkt': Forward packets; 'rev-pkt': Reverse Packets; 'peak-conn': Peak connections;

Type: string

Supported Values: all, curr-conn, total-conn, fwd-pkt, rev-pkt, peak-conn

l4

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'no-fwd-route': No Forward Route for Session; 'no-rev-route': No Reverse Route for Session; 'out-of-session-memory': Out of Session Memory; 'tcp-rst-sent': TCP RST Sent; 'ipip-icmp-reply-sent': IPIP ICMP Echo Reply Sent; 'icmp-filtered-sent': ICMP Administratively Filtered Sent; 'icmp-host-unreachable-sent': ICMP Host Unreachable Sent; 'icmp-reply-no-session-drop': ICMP Reply No Session Drop; 'ipip-truncated': IPIP Truncated Packet; 'ip-src-invalid-unicast': IPv4 Source Not Valid Unicast; 'ip-dst-invalid-unicast': IPv4 Destination Not Valid Unicast; 'ipv6-src-invalid-unicast': IPv6 Source Not Valid Unicast; 'ipv6-dst-invalid-unicast': IPv6 Destination Not Valid Unicast; 'bad-l3-protocol': Bad Layer 3 Protocol; 'special-ipv4-no-route': Stateless IPv4 No Forward Route; 'special-ipv6-no-route': Stateless IPv6 No Forward Route; 'icmp-reply-sent': ICMP Echo Reply Sent; 'icmpv6-reply-sent': ICMPv6 Echo Reply Sent; 'out-of-state-dropped': L4 Out of

State packets; 'ttl-exceeded-sent': ICMP TTL Exceeded Sent; 'cross-cpu-alg-gre-no-match': ALG GRE Cross CPU No Matching Session; 'cross-cpu-alg-gre-preprocess-err': ALG GRE Cross CPU Preprocess Error; 'lsn-fast-setup': LSN Fast Setup Attempt; 'lsn-fast-setup-err': LSN Fast Setup Error; 'lsn-fast-setup-delayed-err': LSN Fast Setup Delayed Error; 'lsn-fast-setup-mtu-too-small': LSN Fast Setup MTU Too Small; 'dst-nat-needed-drop': Destination NAT Needed Drop; 'invalid-nat64-translated-addr': Invalid NAT64 Translated IPv4 Address; 'tcp-rst-loop-drop': RST Loop Drop; 'static-nat-alloc': Static NAT Alloc; 'static-nat-free': Static NAT Free; 'process-l4': Process L4; 'preprocess-error': Preprocess Error; 'process-special': Process Special; 'process-continue': Process Continue; 'process-error': Process Error; 'ip-unknown-process': Process IP Unknown; 'src-nat-pool-not-found': Src NAT Pool Not Found; 'dst-nat-pool-not-found': Dst NAT Pool Not Found; 'l3-ip-src-invalid-unicast': IPv4 L3 Source Invalid Unicast; 'l3-ip-dst-invalid-unicast': IPv4 L3 Destination Invalid Unicast; 'l3-ipv6-src-invalid-unicast': IPv6 L3 Source Invalid Unicast; 'l3-ipv6-dst-invalid-unicast': IPv6 L3 Destination Invalid Unicast;

Type: string

Supported Values: all, no-fwd-route, no-rev-route, out-of-session-memory, tcp-rst-sent, ipip-icmp-reply-sent, icmp-filtered-sent, icmp-host-unreachable-sent, icmp-reply-no-session-drop, ipip-truncated, ip-src-invalid-unicast, ip-dst-invalid-unicast, ipv6-src-invalid-unicast, ipv6-dst-invalid-unicast, rate_drop_reset_unkn, bad-l3-protocol, special-ipv4-no-route, special-ipv6-no-route, icmp-reply-sent, icmpv6-reply-sent, out-of-state-dropped, ttl-exceeded-sent, cross-cpu-alg-gre-no-match, cross-cpu-alg-gre-preprocess-err, lsn-fast-setup, lsn-fast-setup-err, nat64-fast-setup, nat64-fast-setup-err, dslite-fast-setup, dslite-fast-setup-err, fast-setup-delayed-err, fast-setup-mtu-too-small, fixed-nat44-fast-setup, fixed-nat44-fast-setup-err, fixed-nat64-fast-setup, fixed-nat64-fast-setup-err, fixed-nat-dslite-fast-setup, fixed-nat-dslite-fast-setup-err, fixed-nat-fast-setup-delayed-err, fixed-nat-fast-setup-mtu-too-small, static-nat-fast-setup, static-nat-fast-setup-err, dst-nat-needed-drop, invalid-nat64-translated-addr, tcp-rst-loop-drop, static-nat-alloc, static-nat-free, process-l4, preprocess-error, process-special, process-continue, process-error, fw-match-no-rule-drop, ip-unknown-process, src-nat-pool-not-found, dst-nat-pool-not-found, l3-ip-src-invalid-unicast, l3-ip-dst-invalid-unicast, l3-ipv6-src-invalid-unicast, l3-ipv6-dst-invalid-unicast, fw-zone-mismatch-rerouting-drop, nat-range-list-acl-deny, nat-range-list-acl-permit, fw-next-action-incorrect-drop

lw-4o6

Specification	
Type	*object*

active-binding-table

Description: active-binding-table is a **JSON Block**. Please see below for *lw-4o6_active-binding-table*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/active-binding-table*

all-binding-tables

Description: all-binding-tables is a **JSON Block**. Please see below for *lw-4o6_all-binding-tables*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/all-binding-tables*

binding-table-files-status

Description: binding-table-files-status is a **JSON Block**. Please see below for *lw-4o6_binding-table-files-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table-files-status*

binding-table-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}*

binding-table-validate

Description: binding-table-validate is a **JSON Block**. Please see below for *lw-4o6_binding-table-validate*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table-validate*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *lw-4o6_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/fragmentation*

global

Description: global is a **JSON Block**. Please see below for *lw-4o6_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/global*

health-check-gateway-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/health-check-gateway/{ipv4-addr}+{ipv6-addr}*

validation-log-files

Description: validation-log-files is a **JSON Block**. Please see below for *lw-4o6_validation-log-files*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/validation-log-files*

lw-4o6_fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *lw-4o6_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *lw-4o6_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/fragmentation/outbound*

lw-4o6_fragmentation_inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lw-4o6_fragmentation_outbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lw-4o6_health-check-gateway-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description LW-4over6 IPv4 Gateway

Type: string

Format: ipv4-address

ipv6-addr

Description LW-4over6 IPv6 Gateway

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lw-4o6_active-binding-table

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lw-4o6_global

Specification	
Type	*object*

hairpinning

Description 'filter-all': Disable all Hairpinning; 'filter-none': Allow all Hairpinning (default); 'filter-self-ip': Block Hairpinning to same IP; 'filter-self-ip-port': Block hairpinning to same IP and Port combination;

Type: string

Supported Values: filter-all, filter-none, filter-self-ip, filter-self-ip-port

Default: filter-none

icmp-inbound

Description 'drop': Drop Inbound ICMP packets; 'handle': Handle Inbound ICMP packets(default);

Type: string

Supported Values: drop, handle

Default: handle

inside-src-access-list

Description Access List for inside IPv4 addresses (ACL ID)

Type: number

Range: 1-199

nat-prefix-list

Description Configure LW-4over6 NAT Prefix List (LW-4over6 NAT Prefix Class-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

no-forward-match

Description: no-forward-match is a **JSON Block**. Please see below for *lw-4o6_global_no-forward-match*

Type: Object

no-reverse-match

Description: no-reverse-match is a **JSON Block**. Please see below for *lw-4o6_global_no-reverse-match*

Type: Object

sampling-enable

Type: List

use-binding-table

Description Bind LW-4over6 binding table for use (LW-4over6 Binding Table Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lw-4o6_global_no-forward-match

Specification	
Type	*object*

send-icmpv6

Description Send ICMPv6 Type 1 Code 5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry_count': Total Entries Configured; 'self_hairpinning_drop': Self-Hairpinning Drops; 'all_hairpinning_drop': All Hairpinning Drops; 'no_match_icmpv6_sent': No-Forward-Match ICMPv6 Sent; 'no_match_icmp_sent': No-Reverse-Match ICMP Sent; 'icmp_inbound_drop': Inbound ICMP Drops; 'fwd_lookup_failed': Forward Route Lookup Failed; 'rev_lookup_failed': Reverse Route Lookup Failed; 'interface_not_configured': LW-4over6 Interfaces not Configured Drops; 'no_tep_drop': LW-4over6 Tunnel Endpoint not Configured Drops; 'session_count': LW-4over6 Session Count; 'system_address_drop': LW-4over6 System Address Drops;

Type: string

Supported Values: all, entry_count, self_hairpinning_drop, all_hairpinning_drop, no_match_icmpv6_sent, no_match_icmp_sent, icmp_inbound_drop, fwd_lookup_failed, rev_lookup_failed, interface_not_configured, no_binding_table_matches_fwd, no_binding_table_matches_rev, session_count, system_address_drop

lw-4o6_global_no-reverse-match

Specification	
Type	*object*

send-icmp

Description Send ICMP Type 3 Code 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6_binding-table-validate

Specification	
Type	*object*

binding-name

Description LW-4over6 Binding Table Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lw-4o6_all-binding-tables

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lw-4o6_binding-table-files-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lw-4o6_validation-log-files

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lw-4o6_binding-table-list

Specification	
Type	*list*
Block object keys	

name

Description LW-4over6 Binding Table Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

lw-4o6_binding-table-list_tunnel-address-list

Specification	
Type	*list*
Block object keys	

ipv6-tunnel-addr

Description Tunnel IPv6 Endpoint Address

Type: string

Format: ipv6-address

nat-address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

lw-4o6_binding-table-list_tunnel-address-list_nat-address-list

Specification	
Type	*list*
Block object keys	

ipv4-nat-addr

Description NAT IPv4 Address

Type: string

Format: ipv4-address

port-range-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}/port-range/{port-start}+{port-end}+{tunnel-endpoint-address}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

lw-4o6_binding-table-list_tunnel-address-list_nat-address-list_port-range-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range End

Type: number

Range: 1-65535

port-start

Description Single Port or Port Range Start

Type: number

Range: 1-65535

tunnel-endpoint-address

Description Configure LW-4over6 IPIP Tunnel Endpoint Address (LW-4over6 Tunnel Endpoint Address)

Type: string

Format: ipv6-address

ddos-protection

Specification	
Type	*object*

disable-nat-ip-by-bgp

Description: disable-nat-ip-by-bgp is a **JSON Block**. Please see below for *ddos-protection_disable-nat-ip-by-bgp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp*

ip-entries

Description: ip-entries is a **JSON Block**. Please see below for *ddos-protection_ip-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ddos-protection/ip-entries*

l4-entries

Description: l4-entries is a **JSON Block**. Please see below for *ddos-protection_l4-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ddos-protection/l4-entries*

logging

Description: logging is a **JSON Block**. Please see below for *ddos-protection_logging*

Type: Object

max-hw-entries

Description Configure maximum HW entries

Type: number

Range: 0-262144

Default: 262144

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *ddos-protection_packets-per-second*

Type: Object

sampling-enable

Type: List

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *ddos-protection_syn-cookie*

Type: Object

toggle

Description 'enable': Enable CGNV6 NAT pool DDoS protection (default); 'disable': Disable CGNV6 NAT pool DDoS protection;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Disable NAT IP based on DDoS zone name set in BGP

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ddos-protection_logging

Specification	
Type	*object*

enable-action

Description 'local': Enable local logs only; 'remote': Enable logging to remote server & IPFIX; 'both': Enable both local & remote logs;

Type: string

Supported Values: local, remote, both

Default: local

logging-action

Description 'enable': enable CGN DDoS protection logging; 'disable': Disable both local & remote CGN DDoS protection logging;

Type: string

Supported Values: enable, disable

Default: enable

ddos-protection_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry_added': Entry Added; 'entry_deleted': Entry Deleted; 'entry_added_to_hw': Entry added to HW; 'entry_removed_from_hw': Entry Removed From HW; 'hw_out_of_entries': HW out of Entries; 'entry_match_drop': Entry Match Drop; 'entry_match_drop_hw': HW Entry Match Drop; 'entry_list_alloc': Entry List Alloc; 'entry_list_free': Entry List Alloc Free; 'entry_list_alloc_failure': Entry List Alloc Failure; 'ip_node_alloc': Node Alloc; 'ip_node_free': Node Free; 'ip_node_alloc_failure': Node Alloc Failure; 'ip_port_block_alloc': Port Block Alloc; 'ip_port_block_free': Port Block Free; 'ip_port_block_alloc_failure': Port Block Alloc Failure; 'ip_other_block_alloc': Other Block Alloc; 'ip_other_block_free': Other Block Free; 'ip_other_block_alloc_failure': Other Block Alloc Failure; 'entry_added_shadow': Entry Added Shadow; 'entry_invalidated': Entry Invalidated;

Type: string

Supported Values: all, l3_entry_added, l3_entry_deleted, l3_entry_added_to_bgp, l3_entry_removed_from_bgp, l3_entry_added_to_hw, l3_entry_removed_from_hw, l3_entry_too_many, l3_entry_match_drop, l3_entry_match_drop_hw, l3_entry_drop_max_hw_exceeded, l4_entry_added, l4_entry_deleted, l4_entry_added_to_hw, l4_entry_removed_from_hw, l4_hw_out_of_entries, l4_entry_match_drop, l4_entry_match_drop_hw, l4_entry_drop_max_hw_exceeded, l4_entry_list_alloc, l4_entry_list_free, l4_entry_list_alloc_failure, ip_node_alloc, ip_node_free, ip_node_alloc_failure, ip_port_block_alloc, ip_port_block_free, ip_port_block_alloc_failure, ip_other_block_alloc, ip_other_block_free, ip_other_block_alloc_failure, entry_added_shadow, entry_invalidated, l3_entry_add_to_bgp_failure, l3_entry_remove_from_bgp_failure, l3_entry_add_to_hw_failure, syn_cookie_syn_ack_sent, syn_cookie_verification_passed, syn_cookie_verification_failed, syn_cookie_conn_setup_failed

ddos-protection_ip-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ddos-protection_disable-nat-ip-by-bgp

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ddos-protection_l4-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ddos-protection_packets-per-second

Specification	
Type	*object*

action

Description: action is a **JSON Block**. Please see below for *ddos-protection_packets-per-second_action*

Type: Object

include-existing-session

Description Count traffic associated with existing session into the packets-per-second (Default: Disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description Configure packets-per-second threshold per IP(default 3000000)

Type: number

Range: 0-30000000

Default: 3000000

other

Description Configure packets-per-second threshold for other L4 protocols(default 10000)

Type: number

Range: 0-30000000

Default: 10000

tcp

Description Configure packets-per-second threshold per TCP port (default: 3000)

Type: number

Range: 0-30000000

Default: 3000

udp

Description Configure packets-per-second threshold per UDP port (default: 3000)

Type: number

Range: 0-30000000

Default: 3000

ddos-protection_packets-per-second_action

Specification	
Type	*object*

action-type

Description 'log': Log the event only; 'drop': Log, and drop all packets (default); 'redistribute-route': Log, Drop, and Notify upstream router to reroute the packets;

Type: string

Supported Values: log, drop, redistribute-route

Default: drop

expiration

Description To specify time to revert the action after pps is decreased to below threshold (Expiration time, in seconds (default is 3600 seconds))

Type: number

Range: 10-8640000

Default: 3600

remove-wait-timer

Description Time after which IP will be removed from blackhole

Type: number

Range: 0-300

Default: 300

route-map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

timer-multiply-max

Description To specify max value of timer multiplier for attacks lasted long time (Max value of timer multiplier (default is 6))

Type: number

Range: 1-100

Default: 6

ddos-protection_syn-cookie

Specification	
Type	*object*

syn-cookie-enable

Description Enable CGNv6 Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-on-threshold

Description on-threshold for Syn-cookie (Decimal number)

Type: number

Range: 1-1000000

syn-cookie-on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

lsn-lid-list

Specification	
Type	*list*
Block object keys	

conn-rate-limit

Description: conn-rate-limit is a **JSON Block**. Please see below for *lsn-lid-list_conn-rate-limit*

Type: Object

ds-lite

Description: ds-lite is a **JSON Block**. Please see below for *lsn-lid-list_ds-lite*

Type: Object

extended-user-quota

Description: extended-user-quota is a **JSON Block**. Please see below for *lsn-lid-list_extended-user-quota*

Type: Object

lid-number

Description LSN Lid

Type: number

Range: 1-1023

lsn-rule-list

Description: lsn-rule-list is a **JSON Block**. Please see below for *lsn-lid-list_lsn-rule-list*

Type: Object

name

Description LSN Lid Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

override

Description 'none': Apply source NAT if configured (default); 'drop': Drop packets that match this LSN lid; 'pass-through': Layer-3 route packets that match this LSN lid and do not apply source NAT;

Type: string

Supported Values: none, drop, pass-through

Default: none

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-nat-pool

Description: source-nat-pool is a **JSON Block**. Please see below for *lsn-lid-list_source-nat-pool*

Type: Object

user-quota

Description: user-quota is a **JSON Block**. Please see below for *lsn-lid-list_user-quota*

Type: Object

user-quota-prefix-length

Description NAT64 user quota prefix length (Prefix Length (Default: Uses the global NAT64 configured value))

Type: number

Range: 1-128

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn-lid-list_extended-user-quota

Specification	
Type	*object*

tcp

Type: List

udp

Type: List

lsn-lid-list_extended-user-quota_udp

Specification	
Type	*list*
Block object keys	

udp-service-port

Description Port (Port Value)

Type: number

Range: 1-65535

udp-sessions

Description Number of Extended Quota sessions allowed for this service

Type: number

Range: 1-255

lsn-lid-list_extended-user-quota_tcp

Specification	
Type	*list*
Block object keys	

tcp-service-port

Description Port (Port Value)

Type: number

Range: 1-65535

tcp-sessions

Description Number of Extended Quota sessions allowed for this service

Type: number

Range: 1-255

lsn-lid-list_ds-lite

Specification	
Type	*object*

inside-src-permit-list

Description Class-List of IPv4 addresses permitted (Class-list to match for DS-Lite)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lsn-lid-list_user-quota

Specification	
Type	*object*

icmp

Description User Quota for ICMP identifiers (NAT port quota per user (default: not configured))

Type: number

Range: 1-64000

quota-tcp

Description: quota-tcp is a **JSON Block**. Please see below for *lsn-lid-list_user-quota_quota-tcp*

Type: Object

quota-udp

Description: quota-udp is a **JSON Block**. Please see below for *lsn-lid-list_user-quota_quota-udp*

Type: Object

session

Description User Quota for number of data sessions

Type: number

Range: 1-2147483647

lsn-lid-list_user-quota_quota-tcp

Specification	
Type	*object*

tcp-quota

Description NAT port quota per user (default: not configured)

Type: number

Range: 1-64000

tcp-reserve

Description Number of ports to reserve per user (default: same as user-quota value) (Reserved quota per user (default: same as user-quota value))

Type: number

Range: 0-64000

lsn-lid-list_user-quota_quota-udp

Specification	
Type	*object*

udp-quota

Description NAT port quota per user (default: not configured)

Type: number

Range: 1-64000

udp-reserve

Description Number of ports to reserve per user (default: same as user-quota value) (Reserved quota per user (default: same as user-quota value))

Type: number

Range: 0-64000

lsn-lid-list_source-nat-pool

Specification	
Type	*object*

pool-name

Description Source NAT Pool or Pool-Group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Use a shared source NAT pool or pool-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn-lid-list_conn-rate-limit

Specification	
Type	*object*

conn-rate-limit-val

Description Maximum connections per second (Default: No limit)

Type: number

Range: 1-65535

lsn-lid-list_lsn-rule-list

Specification	
Type	*object*

destination

Description Apply LSN Rule-List on Destination (LSN Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list*

sixrd

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sixrd/domain/{name}*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *sixrd_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd/fragmentation*

sixrd_domain-list

Specification	
Type	*list*
Block object keys	

br-ipv4-address

Description 6rd BR IPv4 address

Type: string

Format: ipv4-address

ce-ipv4-netmask

Description Mask length

Type: string

Format: ipv4-netmask-brief

ce-ipv4-network

Description Customer Edge IPv4 network

Type: string

Format: ipv4-address

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

mtu

Description Tunnel MTU

Type: number

Range: 1280-1480

name

Description 6rd Domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sixrd_domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound-tcp-packets-received': Outbound TCP packets received; 'outbound-udp-packets-received': Outbound UDP packets received; 'outbound-icmp-packets-received': Outbound ICMP packets received; 'outbound-other-packets-received': Outbound other packets received; 'outbound-packets-drop': Outbound packets dropped; 'outbound-ipv6-dest-unreachable': Outbound IPv6 destination unreachable; 'outbound-fragment-ipv6':

Outbound Fragmented IPv6; 'inbound-tcp-packets-received': Inbound TCP packets received; 'inbound-udp-packets-received': Inbound UDP packets received; 'inbound-icmp-packets-received': Inbound ICMP packets received; 'inbound-other-packets-received': Inbound other packets received; 'inbound-packets-drop': Inbound packets dropped; 'inbound-ipv4-dest-unreachable': Inbound IPv4 destination unreachable; 'inbound-fragment-ipv4': Inbound Fragmented IPv4; 'inbound-tunnel-fragment-ipv6': Inbound Fragmented IPv6 in tunnel; 'vport-matched': Traffic match SLB virtual port; 'unknown-delegated-prefix': Unknown 6rd delegated prefix; 'packet-too-big': Packet too big; 'not-local-ip': Not local IP; 'fragment-error': Fragment processing errors; 'other-error': Other errors;

Type: string

Supported Values: all, outbound-tcp-packets-received, outbound-udp-packets-received, outbound-icmp-packets-received, outbound-other-packets-received, outbound-packets-drop, outbound-ipv6-dest-unreachable, outbound-fragment-ipv6, inbound-tcp-packets-received, inbound-udp-packets-received, inbound-icmp-packets-received, inbound-other-packets-received, inbound-packets-drop, inbound-ipv4-dest-unreachable, inbound-fragment-ipv4, inbound-tunnel-fragment-ipv6, vport-matched, unknown-delegated-prefix, packet-too-big, not-local-ip, fragment-error, other-error

sixrd_fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *sixrd_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *sixrd_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd/fragmentation/outbound*

sixrd_fragmentation_inbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmpv6

Default: send-icmpv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sixrd_fragmentation_outbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets (default); 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv6, send-icmp, send-icmpv6

Default: ipv6

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv6, send-icmp, send-icmpv6

Default: send-icmp

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.2 cgnv6 ddos-protection

Configure CGNV6 DDoS Protection

ddos-protection Specification

Type	*Configuration Resource*
Element Name	ddos-protection
Element URI	/axapi/v3/cgnv6/ddos-protection
Element Attributes	ddos-protection_attributes
Statistics Data URI	/axapi/v3/cgnv6/ddos-protection/stats
Schema	`ddos-protection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ddos-protection

ddos-protection attributes

```
POST /axapi/v3/cgnv6/ddos-protection
Payload:
{
    "ddos-protection": {
        "toggle": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ddos-protection

ddos-protection attributes

```
GET /axapi/v3/cgnv6/ddos-protection
Reponse:
{
    "ddos-protection": {
        "toggle": "enable",
        "logging": {
            "logging-action": "enable",
            "enable-action": "local"
        },
        "packets-per-second": {
            "tcp": 3000,
            "udp": 3000,
            "other": 10000,
            "include-existing-session": 0
        },
```

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```
        "syn-cookie": {
            "syn-cookie-enable": 0
        },
        "max-hw-entries": 262144,
        "uuid": "5abe5222-5c04-11d9-835e-001fa00680a0",
        "l4-entries": {
            "uuid": "5abe52d6-5c04-11d9-835e-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/ddos-protection/l4-entries"
        },
        "ip-entries": {
            "uuid": "5abe5394-5c04-11d9-835e-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/ddos-protection/ip-entries"
        },
        "disable-nat-ip-by-bgp": {
            "uuid": "5abe5448-5c04-11d9-835e-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp"
        },
        "a10-url": "/axapi/v3/cgnv6/ddos-protection"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ddos-protection

ddos-protection attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ddos-protection

ddos-protection attributes

```
DELETE /axapi/v3/cgnv6/ddos-protection
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ddos-protection attributes

disable-nat-ip-by-bgp

Description: disable-nat-ip-by-bgp is a **JSON Block**. Please see below for *disable-nat-ip-by-bgp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp*

ip-entries

Description: ip-entries is a **JSON Block**. Please see below for *ip-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ddos-protection/ip-entries*

l4-entries

Description: l4-entries is a **JSON Block**. Please see below for *l4-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ddos-protection/l4-entries*

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

max-hw-entries

Description Configure maximum HW entries

Type: number

Range: 0-262144

Default: 262144

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *packets-per-second*

Type: Object

sampling-enable

Type: List

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *syn-cookie*

Type: Object

toggle

Description 'enable': Enable CGNV6 NAT pool DDoS protection (default); 'disable': Disable CGNV6 NAT pool DDoS protection;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Disable NAT IP based on DDoS zone name set in BGP

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

logging

Specification	
Type	*object*

enable-action

Description 'local': Enable local logs only; 'remote': Enable logging to remote server & IPFIX; 'both': Enable both local & remote logs;

Type: string

Supported Values: local, remote, both

Default: local

logging-action

Description 'enable': enable CGN DDoS protection logging; 'disable': Disable both local & remote CGN DDoS protection logging;

Type: string

Supported Values: enable, disable

Default: enable

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry_added': Entry Added; 'entry_deleted': Entry Deleted; 'entry_added_to_hw': Entry added to HW; 'entry_removed_from_hw': Entry Removed From HW; 'hw_out_of_entries': HW out of Entries; 'entry_match_drop': Entry Match Drop; 'entry_match_drop_hw': HW Entry Match Drop; 'entry_list_alloc': Entry List Alloc; 'entry_list_free': Entry List Alloc Free; 'entry_list_alloc_failure': Entry List Alloc Failure; 'ip_node_alloc': Node Alloc; 'ip_node_free': Node Free; 'ip_node_alloc_failure': Node Alloc Failure; 'ip_port_block_alloc': Port Block Alloc; 'ip_port_block_free': Port Block Free; 'ip_port_block_alloc_failure': Port Block Alloc Failure; 'ip_other_block_alloc': Other Block Alloc; 'ip_other_block_free': Other Block Free; 'ip_other_block_alloc_failure': Other Block Alloc Failure; 'entry_added_shadow': Entry Added Shadow; 'entry_invalidated': Entry Invalidated;

Type: string

Supported Values: all, l3_entry_added, l3_entry_deleted, l3_entry_added_to_bgp, l3_entry_removed_from_bgp, l3_entry_added_to_hw, l3_entry_removed_from_hw, l3_entry_too_many, l3_entry_match_drop, l3_entry_match_drop_hw, l3_entry_drop_max_hw_exceeded, l4_entry_added, l4_entry_deleted, l4_entry_added_to_hw, l4_entry_removed_from_hw, l4_hw_out_of_entries, l4_entry_match_drop, l4_entry_match_drop_hw, l4_entry_drop_max_hw_exceeded, l4_entry_list_alloc, l4_entry_list_free, l4_entry_list_alloc_failure, ip_node_alloc, ip_node_free, ip_node_alloc_failure, ip_port_block_alloc, ip_port_block_free, ip_port_block_alloc_failure, ip_other_block_alloc, ip_other_block_free, ip_other_block_alloc_failure, entry_added_shadow, entry_invalidated, l3_entry_add_to_bgp_failure, l3_entry_remove_from_bgp_failure, l3_entry_add_to_hw_failure, syn_cookie_syn_ack_sent, syn_cookie_verification_passed, syn_cookie_verification_failed, syn_cookie_conn_setup_failed

ip-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-nat-ip-by-bgp

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packets-per-second

Specification	
Type	*object*

action

Description: action is a **JSON Block**. Please see below for *packets-per-second_action*

Type: Object

include-existing-session

Description Count traffic associated with existing session into the packets-per-second (Default: Disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description Configure packets-per-second threshold per IP(default 3000000)

Type: number

Range: 0-30000000

Default: 3000000

other

Description Configure packets-per-second threshold for other L4 protocols(default 10000)

Type: number

Range: 0-30000000

Default: 10000

tcp

Description Configure packets-per-second threshold per TCP port (default: 3000)

Type: number

Range: 0-30000000

Default: 3000

udp

Description Configure packets-per-second threshold per UDP port (default: 3000)

Type: number

Range: 0-30000000

Default: 3000

packets-per-second_action

Specification	
Type	*object*

action-type

Description 'log': Log the event only; 'drop': Log, and drop all packets (default); 'redistribute-route': Log, Drop, and Notify upstream router to reroute the packets;

Type: string

Supported Values: log, drop, redistribute-route

Default: drop

expiration

Description To specify time to revert the action after pps is decreased to below threshold (Expiration time, in seconds (default is 3600 seconds))

Type: number

Range: 10-8640000

Default: 3600

remove-wait-timer

Description Time after which IP will be removed from blackhole

Type: number

Range: 0-300

Default: 300

route-map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

timer-multiply-max

Description To specify max value of timer multiplier for attacks lasted long time (Max value of timer multiplier (default is 6))

Type: number

Range: 1-100

Default: 6

syn-cookie

Specification	
Type	*object*

syn-cookie-enable

Description Enable CGNv6 Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-on-threshold

Description on-threshold for Syn-cookie (Decimal number)

Type: number

Range: 1-1000000

syn-cookie-on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

stats data

	Counter	Size	Description
	ip_other_block_alloc	8	Other block alloc
	l4_entry_list_alloc	8	L4 Entry list alloc
	l3_entry_add_to_bgp_failure	8	L3 Entry BGP add failures
	ip_node_free	8	Node free
	l4_entry_added	8	L4 Entry added
	l4_hw_out_of_entries	8	HW out of L4 entries
	l4_entry_list_free	8	L4 Entry list free
	l4_entry_added_to_hw	8	L4 Entry added to HW
	syn_cookie_verification_failed	8	SYN cookie verification failed
	ip_node_alloc	8	Node alloc

continues on next page

Table 2.2 – continued from previous page

	Counter	Size	Description
	l3_entry_match_drop_hw	8	L3 HW entry match drop
	l4_entry_deleted	8	L4 Entry deleted
	l3_entry_remove_from_bgp_failure	8	L3 entry BGP remove failures
	l3_entry_removed_from_hw	8	L3 Entry removed from HW
	l3_entry_deleted	8	L3 Entry Deleted
	l3_entry_removed_from_bgp	8	Entry removed from BGP
	l3_entry_too_many	8	L3 Too many entries
	l3_entry_match_drop	8	L3 Entry match drop
	syn_cookie_verification_passed	8	SYN cookie verification passed
	l3_entry_drop_max_hw_exceeded	8	L3 Entry Drop due to HW Limit Exceeded
	l4_entry_match_drop	8	L4 Entry match drop
	ip_port_block_free	8	Port block free
	entry_invalidated	8	Entry invalidated
	l4_entry_drop_max_hw_exceeded	8	L4 Entry Drop due to HW Limit Exceeded
	l3_entry_add_to_hw_failure	8	L3 entry HW add failure
	ip_other_block_alloc_failure	8	Other block alloc failure
	ip_port_block_alloc	8	Port block alloc
	syn_cookie_syn_ack_sent	8	SYN cookie SYN ACK sent
	l3_entry_added_to_hw	8	L3 Entry added to HW
	l4_entry_list_alloc_failure	8	L4 Entry list alloc failures
	ip_other_block_free	8	Other block free
	l4_entry_match_drop_hw	8	L4 HW Entry match drop
	l3_entry_added	8	L3 Entry Added
	entry_added_shadow	8	Entry added shadow
	l4_entry_removed_from_hw	8	L4 Entry removed from HW
	l3_entry_added_to_bgp	8	L3 Entry added to BGP
	ip_port_block_alloc_failure	8	Port block alloc failure
	ip_node_alloc_failure	8	Node alloc failures

2.19.3 cgnv6 ddos-protection disable-nat-ip-by-bgp

disable-nat-ip-by-bgp Specification

Type	*Configuration Resource*
Element Name	disable-nat-ip-by-bgp
Element URI	/axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp
Element Attributes	disable-nat-ip-by-bgp_attributes
Operational Data URI	/axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp/oper
Schema	`disable-nat-ip-by-bgp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp

disable-nat-ip-by-bgp attributes

Get Object

GET

/axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp

disable-nat-ip-by-bgp attributes

Modify Object

POST

/axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp

disable-nat-ip-by-bgp attributes

Replace Object

PUT

/axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp

disable-nat-ip-by-bgp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ddos-protection/disable-nat-ip-by-bgp

disable-nat-ip-by-bgp attributes

disable-nat-ip-by-bgp attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ddos-disabled-by-bgp-entries-list		ddos-disabled-by-bgp-entries-list
	all	flag	all
	v4-address	ipv4-address	v4-address
	total-entries	number	total-entries

2.19.4 cgnv6 ddos-protection ip-entries

ip-entries Specification

Type	*Configuration Resource*
Element Name	ip-entries
Element URI	/axapi/v3/cgnv6/ddos-protection/ip-entries
Element Attributes	ip-entries_attributes
Operational Data URI	/axapi/v3/cgnv6/ddos-protection/ip-entries/oper
Schema	`ip-entries schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ddos-protection/ip-entries

ip-entries attributes

Get Object

GET

/axapi/v3/cgnv6/ddos-protection/ip-entries

ip-entries attributes

Modify Object

POST

/axapi/v3/cgnv6/ddos-protection/ip-entries

ip-entries attributes

Replace Object

PUT

/axapi/v3/cgnv6/ddos-protection/ip-entries

ip-entries attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ddos-protection/ip-entries

ip-entries attributes

ip-entries attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ddos-ip-entries-list		ddos-ip-entries-list
	nat-pool	string	nat-pool
	all	flag	all
	total-entries	number	total-entries
	v4-netmask	ipv4-netmask-brief	v4-netmask

2.19.5 cgnv6 ddos-protection l4-entries

l4-entries Specification

Type	*Configuration Resource*
Element Name	l4-entries
Element URI	/axapi/v3/cgnv6/ddos-protection/l4-entries
Element Attributes	l4-entries_attributes
Operational Data URI	/axapi/v3/cgnv6/ddos-protection/l4-entries/oper
Schema	`l4-entries schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ddos-protection/l4-entries

l4-entries attributes

Get Object

GET

/axapi/v3/cgnv6/ddos-protection/l4-entries

l4-entries attributes

Modify Object

POST

/axapi/v3/cgnv6/ddos-protection/l4-entries

l4-entries attributes

Replace Object

PUT

/axapi/v3/cgnv6/ddos-protection/l4-entries

l4-entries attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ddos-protection/l4-entries

l4-entries attributes

l4-entries attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all	flag	all
	ddos-l4-entries-list		ddos-l4-entries-list
	nat-pool	string	nat-pool
	not-in-hardware	flag	not-in-hardware
	v4-netmask	ipv4-netmask-brief	v4-netmask
	total-entries	number	total-entries

2.19.6 cgnv6 dns64

DNS64 Statistics

dns64 Specification

Type	*Configuration Resource*
Element Name	dns64
Element URI	/axapi/v3/cgnv6/dns64
Element Attributes	dns64_attributes
Statistics Data URI	/axapi/v3/cgnv6/dns64/stats
Schema	`dns64 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/dns64

dns64 attributes

```
POST /axapi/v3/cgnv6/dns64
Payload:
{
    "dns64": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/dns64

dns64 attributes

```
GET /axapi/v3/cgnv6/dns64
Reponse:
{
    "dns64": {
        "uuid": "5abf9c2c-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/dns64"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/dns64

dns64 attributes

Replace Object

PUT

/axapi/v3/cgnv6/dns64

dns64 attributes

```
PUT /axapi/v3/cgnv6/dns64
Payload:
{
    "dns64": {
        "sampling-enable": [
            {
                "counters1": "query"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/dns64

dns64 attributes

```
DELETE /axapi/v3/cgnv6/dns64
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns64 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'query': Query; 'query-bad-pkt': Query Bad Packet; 'query-chg': Query Changed; 'query-parallel': Query Parallel; 'query-passive': Query Passive; 'resp': Response; 'resp-bad-pkt': Response Bad Packet; 'resp-bad-qr': Response Bad Query; 'resp-chg': Response Changed; 'resp-err': Response Error; 'resp-empty': Response Empty; 'resp-local': Response Local; 'adjust': Translated; 'cache': Cache; 'drop': Dropped;

Type: string

Supported Values: all, query, query-bad-pkt, query-chg, query-parallel, query-passive, resp, resp-bad-pkt, resp-bad-qr, resp-chg, resp-err, resp-empty, resp-local, adjust, cache, drop

stats data

	Counter	Size	Description
	query-passive	8	Query Passive
	resp-local	8	Response Local
	adjust	8	Translated
	query-bad-pkt	8	Query Bad Packet
	resp	8	Response
	cache	8	Cache
	resp-empty	8	Response Empty
	resp-chg	8	Response Changed
	query-parallel	8	Query Parallel
	resp-bad-qr	8	Response Bad Query
	query	8	Query
	drop	8	Dropped
	resp-err	8	Response Error
	resp-bad-pkt	8	Response Bad Packet
	query-chg	8	Query Changed

2.19.7 cgnv6 dns64-virtualserver

Create a DNS64 Virtual Server

dns64-virtualserver Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*dns64-virtualserver-list*
Collection URI	/axapi/v3/cgnv6/dns64-virtualserver
Element Name	dns64-virtualserver
Element URI	/axapi/v3/cgnv6/dns64-virtualserver/{name}
Element Attributes	dns64-virtualserver_attributes
Operational Data URI	/axapi/v3/cgnv6/dns64-virtualserver/{name}/oper
Schema	`dns64-virtualserver schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/dns64-virtualserver

dns64-virtualserver attributes

```
POST /axapi/v3/cgnv6/dns64-virtualserver/
Payload:
{
    "dns64-virtualserver": {
        "name": "a",
        "ipv6-address": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/dns64-virtualserver

dns64-virtualserver attributes

Get Object

GET

/axapi/v3/cgnv6/dns64-virtualserver/{name}

dns64-virtualserver attributes

```
GET /axapi/v3/cgnv6/dns64-virtualserver/a
Reponse:
{
    "dns64-virtualserver": {
```

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```
        "name": "a",
        "ipv6-address": "2003::1",
        "enable-disable-action": "enable",
        "policy": 0,
        "uuid": "51f78ce0-6018-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/dns64-virtualserver/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/dns64-virtualserver

dns64-virtualserver-list

Modify Object

POST

/axapi/v3/cgnv6/dns64-virtualserver/{name}

dns64-virtualserver attributes

Replace Object

PUT

/axapi/v3/cgnv6/dns64-virtualserver/{name}

dns64-virtualserver attributes

```
PUT /axapi/v3/cgnv6/dns64-virtualserver/a
Payload:
{
    "dns64-virtualserver": {
        "name": "a",
        "ipv6-address": "2003::1"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/dns64-virtualserver

dns64-virtualserver-list

Delete Object

DELETE

/axapi/v3/cgnv6/dns64-virtualserver/{name}

dns64-virtualserver attributes

```
DELETE /axapi/v3/cgnv6/dns64-virtualserver/a
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

dns64-virtualserver-list

dns64-virtualserver-list is **JSON List** of *dns64-virtualserver attributes*

dns64-virtualserver-list : [

{ *dns64-virtualserver attributes* },

{ *dns64-virtualserver attributes* },

...

]

dns64-virtualserver attributes

enable-disable-action

Description 'enable': Enable Virtual Server (default); 'disable': Disable Virtual Server;

Type: string

Supported Values: enable, disable

Default: enable

ethernet

Description Ethernet interface

Type: number

Format: interface

ip-address

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address ipv6-address and use-if-ip are mutually exclusive

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ip-address and use-if-ip are mutually exclusive

name

Description CGNV6 Virtual Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask-brief

policy

Description Policy template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-list

Type: List

Refernce Object: */axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}*

template-policy

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/policy*

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip ipv6-address and ip-address are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a vrrp group (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

port-list

Specification	
Type	*list*
Block object keys	

acl-id-list

Type: List

acl-name-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

port-number

Description Port

Type: number

Range: 0-65534

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'dns-udp': DNS service over UDP;

Type: string

Supported Values: dns-udp

sampling-enable

Type: List

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/service-group*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/dns*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/policy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connection; 'total_l4_conn': Total L4 connections; 'total_l7_conn': Total L7 connections; 'toatal_tcp_conn': Total TCP connections; 'total_conn': Total connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_dns_pkts': Total DNS packets; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total failure actions; 'compression_bytes_before': Data into compression engine; 'compression_bytes_after': Data out of compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn': Peak connections; 'curr_conn_rate': Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, toatal_tcp_conn, total_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time

port-list_acl-name-list

Specification	
Type	*list*
Block object keys	

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

port-list_acl-id-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

operational data

	Counter	Size	Description
	peak-conn	number	peak-conn
	conn-rate-unit	enum	Output contains one of the following values: - 100ms, second
	curr-conn-overflow	number	curr-conn-overflow
	ip-address	ipv4-address	ip-address
	icmpv6-rate-over-limit-drop	number	icmpv6-rate-over-limit-drop
	curr-conn-rate	number	curr-conn-rate
	state	enum	Output contains one of the following values: - All Up, Functional Up, Partial Up, Down, Disb, Unkn
	ip_only_lb_fwd_bytes	number	ip_only_lb_fwd_bytes
	curr-icmp-rate	number	curr-icmp-rate
	icmpv6-lockup-time-left	number	icmpv6-lockup-time-left
	mac	string	mac
	ip_only_lb_rev_bytes	number	ip_only_lb_rev_bytes
	curr-icmpv6-rate	number	curr-icmpv6-rate
	icmp-rate-over-limit-drop	number	icmp-rate-over-limit-drop
	ip_only_lb_fwd_pkts	number	ip_only_lb_fwd_pkts
	icmp-lockup-time-left	number	icmp-lockup-time-left
	ip_only_lb_rev_pkts	number	ip_only_lb_rev_pkts
	migration-status	string	migration-status

2.19.8 cgnv6 dns64-virtualserver port

Virtual Port

port Specification

Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/cgnv6/dns64-virtualserver/{name}/port
Element Name	port
Element URI	/axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Statistics Data URI	/axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}/stats
Operational Data URI	/axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/dns64-virtualserver/{name}/port

port attributes

Create List

POST

/axapi/v3/cgnv6/dns64-virtualserver/{name}/port

port attributes

Get Object

GET

/axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/cgnv6/dns64-virtualserver/{name}/port

port-list

Modify Object

POST

/axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/cgnv6/dns64-virtualserver/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/cgnv6/dns64-virtualserver/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

acl-id-list

Type: List

acl-name-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

port-number

Description Port

Type: number

Range: 0-65534

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'dns-udp': DNS service over UDP;

Type: string

Supported Values: dns-udp

sampling-enable

Type: List

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/service-group*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/dns*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/policy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connection; 'total_l4_conn': Total L4 connections; 'total_l7_conn': Total L7 connections; 'toatal_tcp_conn': Total TCP connections; 'total_conn': Total connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_dns_pkts': Total DNS packets; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total failure actions; 'compression_bytes_before': Data into compression engine; 'compression_bytes_after': Data out of compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn': Peak connections; 'curr_conn_rate': Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, toatal_tcp_conn, total_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time

acl-name-list

Specification	
Type	*list*
Block object keys	

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

acl-id-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

stats data

	Counter	Size	Description
	curr_req	8	Current requests
	total_fwd_bytes	8	Total forward bytes
	compression_miss	2	Number of requests NOT compressed
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Total forward packets
	total_mf_dns_pkts	2	Total MF DNS packets
	compression_miss_template_exclusion	2	Compression miss template exclusion
	total_dns_pkts	2	Total DNS packets
	peak_conn	8	Peak connections
	compression_bytes_after	2	Data out of compression engine
	toatal_tcp_conn	8	Total TCP connections
	total_req	8	Total requests
	compression_bytes_before	2	Data into compression engine
	last_rsp_time	8	Last response time
	curr_conn	8	Current connection
	total_rev_bytes	8	Total reverse bytes
	curr_conn_rate	8	Current connection rate
	compression_miss_no_client	2	Compression miss no client
	es_total_failure_actions	2	Total failure actions
	total_conn	8	Total connections
	total_rev_pkts	8	Total reverse packets
	total_l7_conn	8	Total L7 connections
	total_req_succ	8	Total successful requests
	total_l4_conn	8	Total L4 connections
	slowest_rsp_time	8	Slowest response time
	compression_hit	2	Number of requests compressed

operational data

	Counter	Size	Description
	http_host_hits	flag	http_host_hits
	cpu-count	number	cpu-count
	loc_last	string	loc_last
	loc_list	string	loc_list
	http-hits-list		http-hits-list
	http_vport	flag	http_vport
	http_url_hits	flag	http_url_hits
	loc_max_depth	number	loc_max_depth
	level_str	string	level_str
	loc_error	number	loc_error
	state	enum	Output contains one of the following values: - All Up, Functional Up, Down, Disb, Unkn
	geo_location	string	geo_location
	http-vport-cpu-list		http-vport-cpu-list
	real_curr_conn	number	real_curr_conn
	loc_success	number	loc_success
	curr_conn_overflow	number	curr_conn_overflow
	group_id	number	group_id
	loc_override	number	loc_override

2.19.9 cgnv6 ds-lite

Configure Dual-Stack Lite (DS-Lite)

ds-lite Specification

Type	*Intermediate Resource*
Element Name	ds-lite
Element URI	/axapi/v3/cgnv6/ds-lite
Element Attributes	ds-lite_attributes
Schema	`ds-lite schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/ds-lite

ds-lite_attributes

ds-lite attributes

alg

Description: alg is a **JSON Block**. Please see below for *alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/fragmentation*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *full-cone-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/global*

port-reservation-entries

Description: port-reservation-entries is a **JSON Block**. Please see below for *port-reservation-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/port-reservation-entries*

port-reservation-list

Type: List

Refernce Object: */axapi/v3/cgnv6/ds-lite/port-reservation/{inside}+{tunnel-dest-address}+{inside-addr}+{inside-start-port}+{inside-end-port}+{nat}+{nat-start-port}+{nat-end-port}*

user-quota-session

Description: user-quota-session is a **JSON Block**. Please see below for *user-quota-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/user-quota-session*

fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/fragmentation/outbound*

fragmentation_inbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 Fragmentation; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fragmentation_outbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 Fragmentation; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMPv6 Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg

Specification	
Type	*object*

ftp

Description: ftp is a **JSON Block**. Please see below for *alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *alg_h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *alg_mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/tftp*

alg_ftp

Specification	
Type	*object*

ftp-enable

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_sip

Specification	
Type	*object*

sip-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_pptp

Specification	
Type	*object*

pptp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_rtsp

Specification	
Type	*object*

rtsp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_h323

Specification	
Type	*object*

h323-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp

Specification	
Type	*object*

tftp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_mgcp

Specification	
Type	*object*

mgcp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

icmp

Description: icmp is a **JSON Block**. Please see below for *global_icmp*

Type: Object

inside

Description: inside is a **JSON Block**. Please see below for *global_inside*

Type: Object

ip-checksum-error

Description 'fix': Fix the bad checksum (default); 'drop': Drop packets with a bad checksum;

Type: string

Supported Values: fix, drop

Default: fix

l4-checksum-error

Description 'propagate': Propagate the bad checksum (default); 'fix': Fix the bad checksum; 'drop': Drop packets with a bad checksum;

Type: string

Supported Values: propagate, fix, drop

Default: propagate

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *global_tcp*

Type: Object

user-quota-prefix-length

Description User Quota Prefix Length (Default: 128)

Type: number

Range: 1-128

Default: 128

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *global_inside_source*

Type: Object

global_inside_source

Specification	
Type	*object*

class-list

Description Class-list to match for DS-Lite

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

global_tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *global_tcp_mss-clamp*

Type: Object

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *global_tcp_reset-on-error*

Type: Object

global_tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60 - 40))))

Type: number

Range: 0-1420

Default: 416

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping; 'subtract': Specify the value to subtract from the TCP MSS (default: 40);

Type: string

Supported Values: fixed, none, subtract

Default: subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: 40)

Type: number

Range: 0-1420

Default: 40

mss-value

Description The max value allowed for the TCP MSS (default: not configured)

Type: number

Range: 0-1420

global_tcp_reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': total_tcp_freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded': Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched; 'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'nat_mismatch_drop': NAT Pool Mismatch Drop; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'no_radius_profile_match': No RADIUS Profile Match; 'truncated_packet': Truncated Packet; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'no_class_list_match': No Class-List Match; 'class_list_permit_drop': Permit Class-List Drop; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped; 'user_quota_not_found': User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone ses-

sions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched; 'nat_port_unavailable_other': Other NAT Port Unavailable; 'nat_port_unavailable': Total NAT Port Unavailable; 'new_user_resource_unavailable_tcp': TCP New User NAT Resource Unavailable; 'new_user_resource_unavailable_udp': UDP New User NAT Resource Unavailable; 'new_user_resource_unavailable_icmp': ICMP New User NAT Resource Unavailable; 'new_user_resource_unavailable_other': Other New User NAT Resource Unavailable; 'total_tcp_allocated_shadow': Total TCP Ports Allocated; 'total_tcp_freed_shadow': Total TCP Ports Freed; 'total_udp_allocated_shadow': Total UDP Ports Allocated; 'total_udp_freed_shadow': Total UDP Ports Freed; 'total_icmp_allocated_shadow': Total ICMP Ports Allocated; 'total_icmp_freed_shadow': Total ICMP Ports Freed; 'udp_alg_no_quota': UDP ALG User-Quota Not Found; 'udp_alg_eim_mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp_alg_no_nat_ip': UDP ALG User-Quota Unknown NAT IP; 'udp_alg_alloc_failure': UDP ALG Port Allocation Failure; 'sip_alg_no_quota': SIP ALG User-Quota Not Found; 'sip_alg_quota_inc_failure': SIP ALG User-Quota Exceeded; 'sip_alg_no_nat_ip': SIP ALG Unknown NAT IP; 'sip_alg_reuse_contact_fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip_alg_contact_fullcone_mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip_alg_alloc_contact_port_failure': SIP ALG Alloc Contact NAT Port Failure; 'sip_alg_create_contact_fullcone_failure': SIP ALG Create Contact Full-cone Session Failure; 'sip_alg_release_contact_port_failure': SIP ALG Release Contact NAT Port Failure; 'sip_alg_single_rtp_fullcone': SIP ALG Single RTP Full-cone Found; 'sip_alg_single_rtcp_fullcone': SIP ALG Single RTCP Full-cone Found; 'sip_alg_rtcp_fullcone_mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip_alg_reuse_rtp_rtcp_fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip_alg_alloc_rtp_rtcp_port_failure': SIP ALG Alloc RTP/RTCP NAT Ports Failure; 'sip_alg_alloc_single_port_failure': SIP ALG Alloc Single RTP or RTCP NAT Port Failure; 'sip_alg_create_single_fullcone_failure': SIP ALG Create Single RTP or RTCP Full-cone Session Failure; 'sip_alg_create_rtp_fullcone_failure': SIP ALG Create RTP Full-cone Session Failure; 'sip_alg_create_rtcp_fullcone_failure': SIP ALG Create RTCP Full-cone Session Failure; 'sip_alg_port_pair_alloc_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_alloc_from_partition': SIP ALG Port Pair Allocated From Partition; 'sip_alg_port_pair_alloc_from_quota_consecutive': SIP ALG Port Pair Allocated From Quota Consecutive; 'sip_alg_port_pair_alloc_from_quota_partition': SIP ALG Port Pair Allocated From Quota Partition; 'sip_alg_port_pair_alloc_from_quota_partition_error': SIP ALG Port Pair Allocated From Quota Partition Error; 'sip_alg_port_pair_allocated_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_allocated_from_partition': SIP ALG Port Pair Allocated From Partition; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free; 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created,

data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp, new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, fullcone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, truncated_packet, lid_drop, lid_pass_through, no_class_list_match, class_list_permit_drop, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, prefix_quota_created, prefix_quota_put_in_del_q, prefix_quota_failure, total_user_quota_created, total_user_quota_put_in_del_q, total_user_quota_failure, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped, user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, fullcone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure, sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag

counters2

Description 'quota_extension_remove_not_found': Quota Extension Not Found on Remove; 'ha_sync_port_batch_sent': HA Port Batch Extension Sync Sent; 'ha_sync_port_batch_rcv': HA Port Batch Extension Sync Received; 'ha_send_port_batch_not_found': HA Port Batch Not Found on Sync Send; 'ha_rcv_port_not_in_port_batch': HA Port Not in Port Batch on Sync Rcv; 'bad_port_to_free': Freeing Bad Port; 'consecutive_port_free': Port Freed from Consecutive Pool; 'partition_port_free': Port Freed from Partition; 'port_allocated_from_quota_consecutive': Port Allocated from Quota Consecutive; 'port_allocated_from_quota_partition': Port Allocated from Quota Partition; 'port_freed_from_quota_consecutive': Port Freed from Quota Consecutive; 'port_freed_from_quota_partition': Port Freed from Quota Partition; 'port_batch_allocated_to_quota': Port Batch Allocated to Quota; 'port_batch_freed_from_quota': Port Batch Freed From Quota; 'spe-

cific_port_allocated_from_quota_consecutive': Specific Port Allocated from Quota Consecutive; 'specific_port_allocated_from_quota_partition': Specific Port Allocated from Quota Partition; 'port_batch_container_alloc_failure': Port Batch Container Alloc Out of Memory; 'port_batch_container_alloc_race_free': Port Batch Container Race Free; 'port_overloading_destination_conflict': Port Overloading Destination Conflict; 'port_overloading_out_of_memory': Port Overloading Out of Memory; 'port_overloading_assign_user': Port Overloading Port Assign User; 'port_overloading_assign_user_port_batch': Port Overloading Port Assign User Port Batch; 'port_overloading_inc': Port Overloading Port Increment; 'port_overloading_dec_on_conflict': Port Overloading Port Decrement on Conflict; 'port_overloading_dec_on_free': Port Overloading Port Decrement on Free; 'port_overloading_free_port_on_conflict': Port Overloading Free Port on Conflict; 'port_overloading_free_port_batch_on_conflict': Port Overloading Free Port Batch on Conflict; 'port_overloading_inc_overflow': Port Overloading Inc Overflow; 'port_overloading_attempt_consecutive_ports': Port Overloading on Consecutive Ports; 'port_overloading_attempt_same_partition': Port Overloading on Same Partition; 'port_overloading_attempt_diff_partition': Port Overloading on Different Partition; 'port_overloading_attempt_failed': Port Overloading Attempt Failed; 'port_overloading_conn_free_retry_lookup': Port Overloading Conn Free Retry Lookup; 'port_overloading_conn_free_not_found': Port Overloading Conn Free Not Found; 'port_overloading_smp_mem_allocated': Port Overloading SMP Session Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'bad_ip_tot_len': Bad IPv4 Total Length; 'ip_checksum_verified': IP Checksum Veri-

fied; 'ip_checksum_fixed': IP Checksum Fixed; 'ip_checksum_bad_drop': IP Checksum Bad Drop; 'ip_frag_checksum_fixed': IP Frag Checksum Fixed; 'l4_checksum_verified': L4 Checksum Verified; 'l4_checksum_fixed': L4 Checksum Fixed; 'l4_checksum_bad_drop': L4 Checksum Bad Drop; 'jumbo_list_bad_l4_len': Jumbo List Bad L4 Len; 'frag_list_bad_l4_len': Frag List Bad L4 Len;

Type: string

Supported Values: h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free, quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive, specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports, port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success

counters3

Description 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'bad_ip_tot_len': Bad IPv4 Total Length; 'ip_checksum_verified': IP Checksum Verified; 'ip_checksum_fixed': IP Checksum Fixed; 'ip_checksum_bad_drop': IP Checksum Bad Drop; 'ip_frag_checksum_fixed': IP Frag Checksum Fixed; 'l4_checksum_verified': L4 Checksum Verified; 'l4_checksum_fixed': L4 Checksum Fixed; 'l4_checksum_bad_drop': L4 Checksum Bad Drop; 'jumbo_list_bad_l4_len': Jumbo List Bad L4 Len; 'frag_list_bad_l4_len': Frag List Bad L4 Len; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found; 'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive; 'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp':

Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP; 'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000; 'prefix_quota_mismatch': Prefix Quota NAT IP Mismatch;

Type: string

Supported Values: nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, standby_class_list_drop, full-cone_inbound_nat_pool_mismatch, bad_ip_tot_len, ip_checksum_verified, ip_checksum_fixed, ip_checksum_bad_drop, ip_frag_checksum_fixed, l4_checksum_verified, l4_checksum_fixed, l4_checksum_bad_drop, jumbo_list_bad_l4_len, frag_list_bad_l4_len, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone, mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp,

fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others, rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4, prefix_quota_mismatch

global_icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

port-reservation-list

Specification	
Type	*list*
Block object keys	

inside

Description Inside User Address and Port Range (DS-Lite Inside User's Tunnel Source IPv6 Address)

Type: string

Format: ipv6-address

inside-addr

Description Inside User IP address

Type: string

Format: ipv4-address

inside-end-port

Description Inside End Port

Type: number

Range: 1-65535

inside-start-port

Description Inside Start Port

Type: number

Range: 1-65535

nat

Description NAT Port Range (NAT IP address)

Type: string

Format: ipv4-address

nat-end-port

Description NAT End Port

Type: number

Range: 1-65535

nat-start-port

Description NAT Start Port

Type: number

Range: 1-65535

tunnel-dest-address

Description DS-Lite Inside User's Tunnel Destination IPv6 Address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-quota-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-reservation-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.10 cgnv6 ds-lite alg

DS-Lite ALG Parameters

alg Specification

Type	*Intermediate Resource*
Element Name	alg
Element URI	/axapi/v3/cgnv6/ds-lite/alg
Element Attributes	alg_attributes
Schema	`alg schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/ds-lite/alg

alg_attributes

alg attributes

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/alg/tftp*

ftp

Specification	
Type	*object*

ftp-enable

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip

Specification	
Type	*object*

sip-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pptp

Specification	
Type	*object*

pptp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rtsp

Specification	
Type	*object*

rtsp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

h323

Specification	
Type	*object*

h323-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp

Specification	
Type	*object*

tftp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mgcp

Specification	
Type	*object*

mgcp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.11 cgnv6 ds-lite alg ftp

DS-Lite FTP ALG (default: enabled)

ftp Specification

Type	*Configuration Resource*
Element Name	ftp
Element URI	/axapi/v3/cgnv6/ds-lite/alg/ftp
Element Attributes	ftp_attributes
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/alg/ftp

ftp attributes

```
POST /axapi/v3/cgnv6/ds-lite/alg/ftp
Payload:
{
    "ftp": {
        "ftp-enable": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ds-lite/alg/ftp

ftp attributes

```
GET /axapi/v3/cgnv6/ds-lite/alg/ftp
Reponse:
{
    "ftp": {
        "ftp-enable": "disable",
        "uuid": "e1bb4b50-6018-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/alg/ftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/alg/ftp

ftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/alg/ftp

ftp attributes

```
PUT /axapi/v3/cgnv6/ds-lite/alg/ftp
Payload:
{
    "ftp": {
        "ftp-enable": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/alg/ftp

ftp attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/alg/ftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp attributes

ftp-enable

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.12 cgnv6 ds-lite alg h323

DS-Lite H323 ALG (default: disabled)

h323 Specification

Type	*Configuration Resource*
Element Name	h323
Element URI	/axapi/v3/cgnv6/ds-lite/alg/h323
Element Attributes	h323_attributes
Schema	`h323 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/alg/h323

h323 attributes

Get Object

GET

/axapi/v3/cgnv6/ds-lite/alg/h323

h323 attributes

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/alg/h323

h323 attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/alg/h323

h323 attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/alg/h323

h323 attributes

h323 attributes

h323-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.13 cgnv6 ds-lite alg mgcp

DS-Lite MGCP ALG (default: disabled)

mgcp Specification

Type	*Configuration Resource*
Element Name	mgcp
Element URI	/axapi/v3/cgnv6/ds-lite/alg/mgcp
Element Attributes	mgcp_attributes
Schema	`mgcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/alg/mgcp

mgcp attributes

Get Object

GET

/axapi/v3/cgnv6/ds-lite/alg/mgcp

mgcp attributes

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/alg/mgcp

mgcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/alg/mgcp

mgcp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/alg/mgcp

mgcp attributes

mgcp attributes

mgcp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.14 cgnv6 ds-lite alg pptp

DS-Lite PPTP ALG (default: disabled)

pptp Specification

Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/cgnv6/ds-lite/alg/pptp
Element Attributes	pptp_attributes
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/alg/pptp

pptp attributes

```
POST /axapi/v3/cgnv6/ds-lite/alg/pptp
Payload:
{
    "pptp": {
        "pptp-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ds-lite/alg/pptp

pptp attributes

```
GET /axapi/v3/cgnv6/ds-lite/alg/pptp
Reponse:
{
    "pptp": {
        "pptp-enable": "enable",
        "uuid": "0e5ced6c-6019-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/alg/pptp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/alg/pptp

pptp attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/alg/pptp

pptp attributes

```
PUT /axapi/v3/cgnv6/ds-lite/alg/pptp
Payload:
{
    "pptp": {
        "pptp-enable": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/alg/pptp

pptp attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/alg/pptp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pptp attributes

pptp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.15 cgnv6 ds-lite alg rtsp

DS-Lite RTSP ALG (default: disabled)

rtsp Specification

Type	*Configuration Resource*
Element Name	rtsp
Element URI	/axapi/v3/cgnv6/ds-lite/alg/rtsp
Element Attributes	rtsp_attributes
Schema	`rtsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/alg/rtsp

rtsp attributes

```
POST /axapi/v3/cgnv6/ds-lite/alg/rtsp
Payload:
{
    "rtsp": {
        "rtsp-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ds-lite/alg/rtsp

rtsp attributes

```
GET /axapi/v3/cgnv6/ds-lite/alg/rtsp
Reponse:
{
    "rtsp": {
        "rtsp-enable": "enable",
        "uuid": "1be4aac4-6019-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/alg/rtsp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/alg/rtsp

rtsp attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/alg/rtsp

rtsp attributes

```
PUT /axapi/v3/cgnv6/ds-lite/alg/rtsp
Payload:
{
    "rtsp": {
        "rtsp-enable": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/alg/rtsp

rtsp attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/alg/rtsp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rtsp attributes

rtsp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.16 cgnv6 ds-lite alg sip

DS-Lite SIP ALG (default: disabled)

sip Specification

Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/cgnv6/ds-lite/alg/sip
Element Attributes	sip_attributes
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/alg/sip

sip attributes

```
POST /axapi/v3/cgnv6/ds-lite/alg/sip
Payload:
{
    "sip": {
        "sip-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ds-lite/alg/sip

sip attributes

```
GET /axapi/v3/cgnv6/ds-lite/alg/sip
Reponse:
{
    "sip": {
        "sip-enable": "enable",
        "uuid": "29134336-6019-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/alg/sip"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/alg/sip

sip attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/alg/sip

sip attributes

```
PUT /axapi/v3/cgnv6/ds-lite/alg/sip
Payload:
{
    "sip": {
        "sip-enable": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/alg/sip

sip attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/alg/sip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip attributes

sip-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.17 cgnv6 ds-lite alg tftp

DS-Lite TFTP ALG (default: disabled)

tftp Specification

Type	*Configuration Resource*
Element Name	tftp
Element URI	/axapi/v3/cgnv6/ds-lite/alg/tftp
Element Attributes	tftp_attributes
Schema	`tftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/alg/tftp

tftp attributes

```
POST /axapi/v3/cgnv6/ds-lite/alg/tftp
Payload:
{
    "tftp": {
        "tftp-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ds-lite/alg/tftp

tftp attributes

```
GET /axapi/v3/cgnv6/ds-lite/alg/tftp
Reponse:
{
    "tftp": {
        "tftp-enable": "enable",
        "uuid": "3625cf58-6019-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/alg/tftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/alg/tftp

tftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/alg/tftp

tftp attributes

```
PUT /axapi/v3/cgnv6/ds-lite/alg/tftp
Payload:
{
    "tftp": {
        "tftp-enable": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/alg/tftp

tftp attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/alg/tftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tftp attributes

tftp-enable

Description 'enable': Enable ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.18 cgnv6 ds-lite fragmentation

DS-Lite fragmentation parameters

fragmentation Specification

Type	*Intermediate Resource*
Element Name	fragmentation
Element URI	/axapi/v3/cgnv6/ds-lite/fragmentation
Element Attributes	fragmentation_attributes
Schema	`fragmentation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/ds-lite/fragmentation

fragmentation_attributes

fragmentation attributes

inbound

Description: inbound is a **JSON Block**. Please see below for *inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/ds-lite/fragmentation/outbound*

inbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 Fragmentation; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

outbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 Fragmentation; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMPv6 Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.19 cgnv6 ds-lite fragmentation inbound

DS-Lite fragmentation rules for inbound oversize packets (default: ipv6)

inbound Specification

Type	*Configuration Resource*
Element Name	inbound
Element URI	/axapi/v3/cgnv6/ds-lite/fragmentation/inbound
Element Attributes	inbound_attributes
Schema	`inbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/fragmentation/inbound

inbound attributes

```
POST /axapi/v3/cgnv6/ds-lite/fragmentation/inbound
Payload:
{
```

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```
    "inbound": {
        "df-set": "send-icmp",
        "count": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ds-lite/fragmentation/inbound

inbound attributes

```
GET /axapi/v3/cgnv6/ds-lite/fragmentation/inbound
Reponse:
{
    "inbound": {
        "df-set": "send-icmp",
        "count": 1,
        "frag-action": "ipv6",
        "uuid": "5abeee6c-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/fragmentation/inbound"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/fragmentation/inbound

inbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/fragmentation/inbound

inbound attributes

```
PUT /axapi/v3/cgnv6/ds-lite/fragmentation/inbound
Payload:
{
    "inbound": {
        "df-set": "send-icmp",
        "count": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/fragmentation/inbound

inbound attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/fragmentation/inbound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

inbound attributes

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 Fragmentation; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.20 cgnv6 ds-lite fragmentation outbound

DS-Lite Outbound Fragmentation Rules (default: ipv4)

outbound Specification

Type	*Configuration Resource*
Element Name	outbound
Element URI	/axapi/v3/cgnv6/ds-lite/fragmentation/outbound
Element Attributes	outbound_attributes
Schema	`outbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/fragmentation/outbound

outbound attributes

```
POST /axapi/v3/cgnv6/ds-lite/fragmentation/outbound
Payload:
{
    "outbound": {
        "df-set": "send-icmp",
        "count": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ds-lite/fragmentation/outbound

outbound attributes

```
GET /axapi/v3/cgnv6/ds-lite/fragmentation/outbound
Reponse:
{
    "outbound": {
        "df-set": "send-icmp",
        "count": 1,
        "frag-action": "ipv4",
        "uuid": "5abeef48-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/fragmentation/outbound"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/fragmentation/outbound

outbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/fragmentation/outbound

outbound attributes

```
PUT /axapi/v3/cgnv6/ds-lite/fragmentation/outbound
Payload:
{
    "outbound": {
        "df-set": "send-icmpv6",
        "count": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/fragmentation/outbound

outbound attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/fragmentation/outbound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

outbound attributes

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 Fragmentation; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMPv6 Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.21 cgnv6 ds-lite full-cone-session

Full Cone Sessions

full-cone-session Specification

Type	*Configuration Resource*
Element Name	full-cone-session
Element URI	/axapi/v3/cgnv6/ds-lite/full-cone-session
Element Attributes	full-cone-session_attributes
Operational Data URI	/axapi/v3/cgnv6/ds-lite/full-cone-session/oper
Schema	`full-cone-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/full-cone-session

full-cone-session attributes

Get Object

GET

/axapi/v3/cgnv6/ds-lite/full-cone-session

full-cone-session attributes

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/full-cone-session

full-cone-session attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/full-cone-session

full-cone-session attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/full-cone-session

full-cone-session attributes

full-cone-session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-partition	flag	shared-partition
	inside-addr-end	ipv4-address	inside-addr-end
	debug-session	flag	debug-session
	inside-addr-v6	ipv6-address	inside-addr-v6
	nat-port	number	nat-port
	nat-pool-name	string	nat-pool-name
	graceful	flag	graceful
	inside-addr-start	ipv4-address	inside-addr-start
	pool-shared	flag	pool-shared
	all-partitions	flag	all-partitions
	pcp	flag	pcp
	nat-addr-start	ipv4-address	nat-addr-start
	session-list		session-list
	inside-addr	ipv4-address	inside-addr
	session-count	number	session-count
	total-session-count	number	total-session-count
	nat-addr	ipv4-address	nat-addr
	inside-addr-v6-end	ipv6-address	inside-addr-v6-end
	partition-name	string	partition-name
	inside-addr-v6-start	ipv6-address	inside-addr-v6-start
	nat-addr-end	ipv4-address	nat-addr-end
	inside-port	number	inside-port

2.19.22 cgnv6 ds-lite global

Configure Dual-Stack Lite (DS-Lite) config parameters

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/ds-lite/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/ds-lite/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/global

global attributes

```
POST /axapi/v3/cgnv6/ds-lite/global
Payload:
{
    "global": {
        "user-quota-prefix-length": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/ds-lite/global

global attributes

```
GET /axapi/v3/cgnv6/ds-lite/global
Reponse:
{
    "global": {
        "user-quota-prefix-length": 1,
        "tcp": {
            "mss-clamp": {
                "mss-clamp-type": "subtract",
                "mss-subtract": 40,
                "min": 416
            }
        },
        "ip-checksum-error": "fix",
        "l4-checksum-error": "propagate",
        "icmp": {
            "send-on-port-unavailable": "disable",
            "send-on-user-quota-exceeded": "admin-filtered"
        },
        "uuid": "5abeec3c-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/global"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/global

global attributes

```
PUT /axapi/v3/cgnv6/ds-lite/global
Payload:
{
    "global": {
        "user-quota-prefix-length": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/global

global attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

ip-checksum-error

Description 'fix': Fix the bad checksum (default); 'drop': Drop packets with a bad checksum;

Type: string

Supported Values: fix, drop

Default: fix

l4-checksum-error

Description 'propagate': Propagate the bad checksum (default); 'fix': Fix the bad checksum; 'drop': Drop packets with a bad checksum;

Type: string

Supported Values: propagate, fix, drop

Default: propagate

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

user-quota-prefix-length

Description User Quota Prefix Length (Default: 128)

Type: number

Range: 1-128

Default: 128

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *inside_source*

Type: Object

inside_source

Specification	
Type	*object*

class-list

Description Class-list to match for DS-Lite

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *tcp_mss-clamp*

Type: Object

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *tcp_reset-on-error*

Type: Object

tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60 - 40))))

Type: number

Range: 0-1420

Default: 416

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping; 'subtract': Specify the value to subtract from the TCP MSS (default: 40);

Type: string

Supported Values: fixed, none, subtract

Default: subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: 40)

Type: number

Range: 0-1420

Default: 40

mss-value

Description The max value allowed for the TCP MSS (default: not configured)

Type: number

Range: 0-1420

tcp_reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': total_tcp_freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded':

Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched; 'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'nat_mismatch_drop': NAT Pool Mismatch Drop; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'no_radius_profile_match': No RADIUS Profile Match; 'truncated_packet': Truncated Packet; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'no_class_list_match': No Class-List Match; 'class_list_permit_drop': Permit Class-List Drop; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped; 'user_quota_not_found': User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched; 'nat_port_unavailable_other': Other NAT Port Unavailable; 'nat_port_unavailable': Total NAT Port Unavailable; 'new_user_resource_unavailable_tcp': TCP New User NAT Resource Unavailable; 'new_user_resource_unavailable_udp': UDP New User NAT Resource Unavailable; 'new_user_resource_unavailable_icmp': ICMP New User NAT Resource Unavailable; 'new_user_resource_unavailable_other': Other New User NAT Resource Unavailable; 'total_tcp_allocated_shadow': Total TCP Ports Allocated; 'total_tcp_freed_shadow': Total TCP Ports Freed; 'total_udp_allocated_shadow': Total UDP Ports Allocated; 'total_udp_freed_shadow': Total UDP Ports Freed; 'total_icmp_allocated_shadow': Total ICMP Ports Allocated; 'total_icmp_freed_shadow': Total ICMP Ports Freed; 'udp_alg_no_quota': UDP ALG User-Quota Not Found; 'udp_alg_eim_mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp_alg_no_nat_ip': UDP ALG User-Quota Unknown NAT IP; 'udp_alg_alloc_failure': UDP ALG Port Allocation Failure; 'sip_alg_no_quota': SIP ALG User-Quota Not Found; 'sip_alg_quota_inc_failure': SIP ALG User-Quota Exceeded; 'sip_alg_no_nat_ip': SIP ALG Unknown NAT IP; 'sip_alg_reuse_contact_fullcone':

SIP ALG Reuse Contact Full-cone Session; 'sip_alg_contact_fullcone_mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip_alg_alloc_contact_port_failure': SIP ALG Alloc Contact NAT Port Failure; 'sip_alg_create_contact_fullcone_failure': SIP ALG Create Contact Full-cone Session Failure; 'sip_alg_release_contact_port_failure': SIP ALG Release Contact NAT Port Failure; 'sip_alg_single_rtp_fullcone': SIP ALG Single RTP Full-cone Found; 'sip_alg_single_rtcp_fullcone': SIP ALG Single RTCP Full-cone Found; 'sip_alg_rtcp_fullcone_mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip_alg_reuse_rtp_rtcp_fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip_alg_alloc_rtp_rtcp_port_failure': SIP ALG Alloc RTP/RTCP NAT Ports Failure; 'sip_alg_alloc_single_port_failure': SIP ALG Alloc Single RTP or RTCP NAT Port Failure; 'sip_alg_create_single_fullcone_failure': SIP ALG Create Single RTP or RTCP Full-cone Session Failure; 'sip_alg_create_rtp_fullcone_failure': SIP ALG Create RTP Full-cone Session Failure; 'sip_alg_create_rtcp_fullcone_failure': SIP ALG Create RTCP Full-cone Session Failure; 'sip_alg_port_pair_alloc_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_alloc_from_partition': SIP ALG Port Pair Allocated From Partition; 'sip_alg_port_pair_alloc_from_quota_consecutive': SIP ALG Port Pair Allocated From Quota Consecutive; 'sip_alg_port_pair_alloc_from_quota_partition': SIP ALG Port Pair Allocated From Quota Partition; 'sip_alg_port_pair_alloc_from_quota_partition_error': SIP ALG Port Pair Allocated From Quota Partition Error; 'sip_alg_port_pair_allocated_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_allocated_from_partition': SIP ALG Port Pair Allocated From Partition; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free; 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created, data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp, new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, fullcone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, truncated_packet, lid_drop, lid_pass_through, no_class_list_match, class_list_permit_drop, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, prefix_quota_created, prefix_quota_put_in_del_q, prefix_quota_failure, total_user_quota_created, total_user_quota_put_in_del_q, total_user_quota_failure, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped, user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, full-

cone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure, sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag

counters2

Description ‘quota_extension_remove_not_found’: Quota Extension Not Found on Remove; ‘ha_sync_port_batch_sent’: HA Port Batch Extension Sync Sent; ‘ha_sync_port_batch_rcv’: HA Port Batch Extension Sync Received; ‘ha_send_port_batch_not_found’: HA Port Batch Not Found on Sync Send; ‘ha_rcv_port_not_in_port_batch’: HA Port Not in Port Batch on Sync Rcv; ‘bad_port_to_free’: Freeing Bad Port; ‘consecutive_port_free’: Port Freed from Consecutive Pool; ‘partition_port_free’: Port Freed from Partition; ‘port_allocated_from_quota_consecutive’: Port Allocated from Quota Consecutive; ‘port_allocated_from_quota_partition’: Port Allocated from Quota Partition; ‘port_freed_from_quota_consecutive’: Port Freed from Quota Consecutive; ‘port_freed_from_quota_partition’: Port Freed from Quota Partition; ‘port_batch_allocated_to_quota’: Port Batch Allocated to Quota; ‘port_batch_freed_from_quota’: Port Batch Freed From Quota; ‘specific_port_allocated_from_quota_consecutive’: Specific Port Allocated from Quota Consecutive; ‘specific_port_allocated_from_quota_partition’: Specific Port Allocated from Quota Partition; ‘port_batch_container_alloc_failure’: Port Batch Container Alloc Out of Memory; ‘port_batch_container_alloc_race_free’: Port Batch Container Race Free; ‘port_overloading_destination_conflict’: Port Overloading Destination Conflict; ‘port_overloading_out_of_memory’: Port Overloading Out of Memory; ‘port_overloading_assign_user’: Port Overloading Port Assign User; ‘port_overloading_assign_user_port_batch’: Port Overloading Port Assign User Port Batch; ‘port_overloading_inc’: Port Overloading Port Increment; ‘port_overloading_dec_on_conflict’: Port Overloading Port Decrement on Conflict; ‘port_overloading_dec_on_free’: Port Overloading Port Decrement on Free; ‘port_overloading_free_port_on_conflict’: Port Overloading Free Port on Conflict; ‘port_overloading_free_port_batch_on_conflict’: Port Overloading Free Port Batch on Conflict; ‘port_overloading_inc_overflow’: Port Overloading Inc Overflow; ‘port_overloading_attempt_consecutive_ports’: Port Overloading on Consecutive Ports; ‘port_overloading_attempt_same_partition’: Port Overloading on Same Partition; ‘port_overloading_attempt_diff_partition’: Port Overloading on Different Partition; ‘port_overloading_attempt_failed’: Port Overloading Attempt Failed; ‘port_overloading_conn_free_retry_lookup’: Port Overloading Conn Free Retry Lookup; ‘port_overloading_conn_free_not_found’: Port Overloading Conn Free Not Found; ‘port_overloading_smp_mem_allocated’: Port Overloading SMP Ses-

sion Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'bad_ip_tot_len': Bad IPv4 Total Length; 'ip_checksum_verified': IP Checksum Verified; 'ip_checksum_fixed': IP Checksum Fixed; 'ip_checksum_bad_drop': IP Checksum Bad Drop; 'ip_frag_checksum_fixed': IP Frag Checksum Fixed; 'l4_checksum_verified': L4 Checksum Verified; 'l4_checksum_fixed': L4 Checksum Fixed; 'l4_checksum_bad_drop': L4 Checksum Bad Drop; 'jumbo_list_bad_l4_len': Jumbo List Bad L4 Len; 'frag_list_bad_l4_len': Frag List Bad L4 Len;

Type: string

Supported Values: h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free,

quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive, specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports, port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success

counters3

Description 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'bad_ip_tot_len': Bad IPv4 Total Length; 'ip_checksum_verified': IP Checksum Verified; 'ip_checksum_fixed': IP Checksum Fixed; 'ip_checksum_bad_drop': IP Checksum Bad Drop; 'ip_frag_checksum_fixed': IP Frag Checksum Fixed; 'l4_checksum_verified': L4 Checksum Verified; 'l4_checksum_fixed': L4 Checksum Fixed; 'l4_checksum_bad_drop': L4 Checksum Bad Drop; 'jumbo_list_bad_l4_len': Jumbo List Bad L4 Len; 'frag_list_bad_l4_len': Frag List Bad L4 Len; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found;

'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive; 'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP; 'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size be-

tween 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000; 'prefix_quota_mismatch': Prefix Quota NAT IP Mismatch;

Type: string

Supported Values: nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, standby_class_list_drop, fullcone_inbound_nat_pool_mismatch, bad_ip_tot_len, ip_checksum_verified, ip_checksum_fixed, ip_checksum_bad_drop, ip_frag_checksum_fixed, l4_checksum_verified, l4_checksum_fixed, l4_checksum_bad_drop, jumbo_list_bad_l4_len, frag_list_bad_l4_len, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone, mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others, rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4, prefix_quota_mismatch

icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

stats data

	Counter	Size	Description
	rev_egress_pkt_size_range1	8	Reverse Egress Packet size between 0 and 200
	end-point_indep_filter_match	8	Endpoint-Independent Filtering Matched
	hairpin	8	Hairpin Session Created
	fwd_ingress_packets_udp	8	Forward Ingress Packets UDP
	lid_pass_through	8	LSN LID Pass-through
	rev_egress_bytes_tcp	8	Reverse Egress Bytes TCP
	fwd_egress_bytes_others	8	Forward Egress Bytes OTHERS
	fwd_egress_bytes_udp	8	Forward Egress Bytes UDP
	ha_nat_pool_unusable	8	HA NAT Pool Unusable
	tcp_user_quota_exceeded	8	TCP User-Quota Exceeded
	rev_ingress_packets_udp	8	Reverse Ingress Packets UDP
	rev_egress_bytes_icmp	8	Reverse Egress Bytes ICMP
	ha_nat_pool_batch_type_mismatch	8	HA NAT Pool Batch Type Mismatch
	rev_ingress_packets_others	8	Reverse Ingress Packets OTHERS
	user_quota_unusable_drop	8	User-Quota Unusable Drop
	fwd_egress_packets_icmp	8	Forward Egress Packets ICMP
	full-cone_failure	8	Full-cone Session Creation Failed
	fwd_ingress_pkt_size_range2	8	Forward Ingress Packet size between 201 and 800
	fwd_ingress_pkt_size_range3	8	Forward Ingress Packet size between 801 and 1550
	fwd_ingress_pkt_size_range1	8	Forward Ingress Packet size between 0 and 200
	data_sesn_user_quota_exceeded	8	Data Session User-Quota Exceeded

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Table 2.3 – continued from previous page

	Counter	Size	Description
	lid_drop	8	LSN LID Drop
	fwd_ingress_pkt_size_range4	8	Forward Ingress Packet size between 1551 and 9000
	truncated_packet	8	Truncated Packet
	fwd_egress_bytes_tcp	8	Forward Egress Bytes TCP
	port_overloading_smp_free_tcp	8	TCP Port Overloading Session Freed
	rev_ingress_packets_tcp	8	Reverse Ingress Packets TCP
	tcp_fullcone_freed	8	TCP Full-cone Session Freed
	total_tcp_freed	8	Total TCP Ports Freed
	fwd_egress_packets_tcp	8	Forward Egress Packets TCP
	total_icmp_freed	8	Total ICMP Ports Freed
	tcp_fullcone_created	8	TCP Full-cone Session Created
	fwd_egress_packets_others	8	Forward Egress Packets OTHERS
	prefix_quota_mismatch	8	Prefix Quota NAT IP Mismatch
	udp_fullcone_created	8	UDP Full-cone Session Created
	icmp_user_quota_exceeded	8	ICMP User-Quota Exceeded
	total_tcp_allocated	8	Total TCP Ports Allocated
	fwd_egress_pkt_size_range4	8	Forward Egress Packet size between 1551 and 9000
	rev_egress_bytes_udp	8	Reverse Egress Bytes UDP
	user_quota_failure	8	User-Quota Creation Failed
	user_quota_created	8	User-Quota Created
	rev_egress_packets_icmp	8	Reverse Egress Packets ICMP
	data_sesn_rate_user_quota_exceeded	8	Conn Rate User-Quota Exceeded
	fullcone_self_hairpinning_drop	8	Self-Hairpinning Drop
	class_list_permit_drop	8	Permit Class-List Drop
	new_user_resource_unavailable	8	New User NAT Resource Unavailable
	total_udp_allocated	8	Total UDP Ports Allocated
	data_session_created	8	Data Session Created
	rev_ingress_bytes_tcp	8	Reverse Ingress Bytes TCP
	fwd_ingress_bytes_others	8	Forward Ingress Bytes OTHERS
	rev_ingress_bytes_others	8	Reverse Ingress Bytes OTHERS
	rev_egress_packets_tcp	8	Reverse Egress Packets TCP
	fwd_ingress_bytes_tcp	8	Forward Ingress Bytes TCP
	nat_port_unavailable_icmp	8	ICMP NAT Port Unavailable
	extended_quota_matched	8	Extended User-Quota Matched
	port_overloading_smp_inserted_tcp	8	TCP Port Overloading Session Created
	fwd_egress_bytes_icmp	8	Forward Egress Bytes ICMP
	eif_limit_exceeded	8	Endpoint-Independent Filtering Inbound Limit Exceeded
	port_overloading_smp_inserted_udp	8	UDP Port Overloading Session Created
	user_quota_put_in_del_q	8	User-Quota Freed
	total_udp_freed	8	Total UDP Ports Freed

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Table 2.3 – continued from previous page

	Counter	Size	Description
	fwd_egress_pkt_size_range3	8	Forward Egress Packet size between 801 and 1550
	fwd_egress_pkt_size_range2	8	Forward Egress Packet size between 201 and 800
	nat_port_unavailable_tcp	8	TCP NAT Port Unavailable
	total_tcp_overloaded	8	TCP Port Overloaded
	fwd_ingress_packets_tcp	8	Forward Ingress Packets TCP
	user_quota_unusable	8	User-Quota Marked Unusable
	rev_egress_packets_others	8	Reverse Egress Packets OTHERS
	no_radius_profile_match	8	No RADIUS Profile Match
	endpoint_indep_map_match	8	Endpoint-Independent Mapping Matched
	rev_ingress_pkt_size_range4	8	Reverse Ingress Packet size between 1551 and 9000
	rev_ingress_pkt_size_range2	8	Reverse Ingress Packet size between 201 and 800
	rev_ingress_pkt_size_range3	8	Reverse Ingress Packet size between 801 and 1550
	rev_ingress_pkt_size_range1	8	Reverse Ingress Packet size between 0 and 200
	total_icmp_allocated	8	Total ICMP Ports Allocated
	no_class_list_match	8	No Class-List Match
	inbound_filtered	8	Endpoint-Dependent Filtering Drop
	data_session_freed	8	Data Session Freed
	total_udp_overloaded	8	UDP Port Overloaded
	udp_fullcone_freed	8	UDP Full-cone Session Freed
	nat_pool_unusable	8	NAT Pool Unusable
	nat_port_unavailable_udp	8	UDP NAT Port Unavailable
	fwd_ingress_packets_others	8	Forward Ingress Packets OTHERS
	rev_ingress_bytes_udp	8	Reverse Ingress Bytes UDP
	rev_ingress_bytes_icmp	8	Reverse Ingress Bytes ICMP
	rev_egress_bytes_others	8	Reverse Egress Bytes OTHERS
	port_overloading_smp_free_udp	8	UDP Port Overloading Session Freed
	udp_user_quota_exceeded	8	UDP User-Quota Exceeded
	fwd_ingress_bytes_icmp	8	Forward Ingress Bytes ICMP
	fwd_egress_pkt_size_range1	8	Forward Egress Packet size between 0 and 200
	rev_ingress_packets_icmp	8	Reverse Ingress Packets ICMP
	rev_egress_packets_udp	8	Reverse Egress Packets UDP
	fwd_ingress_bytes_udp	8	Forward Ingress Bytes UDP
	fwd_egress_packets_udp	8	Forward Egress Packets UDP
	extended_quota_exceeded	8	Extended User-Quota Exceeded
	rev_egress_pkt_size_range4	8	Reverse Egress Packet size between 1551 and 9000
	rev_egress_pkt_size_range3	8	Reverse Egress Packet size between 801 and 1550
	fwd_ingress_packets_icmp	8	Forward Ingress Packets ICMP
	rev_egress_pkt_size_range2	8	Reverse Egress Packet size between 201 and 800

2.19.23 cgnv6 ds-lite port-reservation

DS-Lite Static Port Reservation

port-reservation Specification

Type	*Collection*
Object Key(s)	*inside, tunnel-dest-address, inside-addr, inside-start-port, inside-end-port, nat, nat-start-port, nat-end-port*
Collection Name	*port-reservation-list*
Collection URI	/axapi/v3/cgnv6/ds-lite/port-reservation
Element Name	port-reservation
Element URI	/axapi/v3/cgnv6/ds-lite/port-reservation/{inside}+{tunnel-dest-address}+{inside-addr}+{inside-start-port}+{inside-end-port}+{nat}+{nat-start-port}+{nat-end-port}
Element Attributes	port-reservation_attributes
Schema	`port-reservation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/port-reservation

port-reservation attributes

```
POST /axapi/v3/cgnv6/ds-lite/port-reservation/
Payload:
{
    "port-reservation": {
        "nat-end-port": 1,
        "inside": "2003::1",
        "tunnel-dest-address": "2003::1",
        "inside-start-port": 1,
        "nat": "3.3.3.3",
        "inside-end-port": 1,
        "nat-start-port": 1,
        "inside-addr": "3.3.3.3"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/ds-lite/port-reservation

port-reservation attributes

Get Object

GET

/axapi/v3/cgnv6/ds-lite/port-reservation/{inside}+{tunnel-dest-address}+{inside-addr}+{inside-start-port}+{inside-end-port}+{nat}+{nat-start-port}+{nat-end-port}

port-reservation attributes

```
GET /axapi/v3/cgnv6/ds-lite/port-reservation/2003::1+2003::1+3.3.3.3+1+1+3.3.3.3+1+1
Reponse:
{
    "port-reservation": {
        "inside": "2003::1",
        "tunnel-dest-address": "2003::1",
        "inside-addr": "3.3.3.3",
        "inside-start-port": 1,
        "inside-end-port": 1,
        "nat": "3.3.3.3",
        "nat-start-port": 1,
        "nat-end-port": 1,
        "uuid": "aa7776cc-6019-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/ds-lite/port-reservation/2003%3A%3A1+2003%3A
↪%3A1+3.3.3.3+1+1+3.3.3.3+1+1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/ds-lite/port-reservation

port-reservation-list

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/port-reservation/{inside}+{tunnel-dest-address}+{inside-addr}+{inside-start-port}+{inside-end-port}+{nat}+{nat-start-port}+{nat-end-port}

port-reservation attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/port-reservation/{inside}+{tunnel-dest-address}+{inside-addr}+{inside-start-port}+{inside-end-port}+{nat}+{nat-start-port}+{nat-end-port}

port-reservation attributes

```
PUT /axapi/v3/cgnv6/ds-lite/port-reservation/2003::1+2003::1+3.3.3.3+1+1+3.3.3.3+1+1
Payload:
{
    "port-reservation": {
        "nat-end-port": 1,
        "inside": "2003::1",
        "tunnel-dest-address": "2003::1",
        "inside-start-port": 1,
```

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```
        "nat": "3.3.3.3",
        "inside-end-port": 1,
        "nat-start-port": 1,
        "inside-addr": "3.3.3.3"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/ds-lite/port-reservation

port-reservation-list

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/port-reservation/{inside}+{tunnel-dest-address}+{inside-addr}+{inside-start-port}+{inside-end-port}+{nat}+{nat-start-port}+{nat-end-port}

port-reservation attributes

```
DELETE /axapi/v3/cgnv6/ds-lite/port-reservation/2003::1+2003::1+3.3.3.3+1+1+3.3.3.
↪3+1+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

port-reservation-list

port-reservation-list is **JSON List** of *port-reservation attributes*

port-reservation-list : [

{ *port-reservation attributes* },

{ *port-reservation attributes* },

...

]

port-reservation attributes

inside

Description Inside User Address and Port Range (DS-Lite Inside User's Tunnel Source IPv6 Address)

Type: string

Format: ipv6-address

inside-addr

Description Inside User IP address

Type: string

Format: ipv4-address

inside-end-port

Description Inside End Port

Type: number

Range: 1-65535

inside-start-port

Description Inside Start Port

Type: number

Range: 1-65535

nat

Description NAT Port Range (NAT IP address)

Type: string

Format: ipv4-address

nat-end-port

Description NAT End Port

Type: number

Range: 1-65535

nat-start-port

Description NAT Start Port

Type: number

Range: 1-65535

tunnel-dest-address

Description DS-Lite Inside User's Tunnel Destination IPv6 Address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.24 cgnv6 ds-lite port-reservation-entries

DS-Lite Static Port Reservation

port-reservation-entries Specification

Type	*Configuration Resource*
Element Name	port-reservation-entries
Element URI	/axapi/v3/cgnv6/ds-lite/port-reservation-entries
Element Attributes	port-reservation-entries_attributes
Operational Data URI	/axapi/v3/cgnv6/ds-lite/port-reservation-entries/oper
Schema	`port-reservation-entries schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/port-reservation-entries

port-reservation-entries attributes

Get Object

GET

/axapi/v3/cgnv6/ds-lite/port-reservation-entries

port-reservation-entries attributes

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/port-reservation-entries

port-reservation-entries attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/port-reservation-entries

port-reservation-entries attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/port-reservation-entries

port-reservation-entries attributes

port-reservation-entries attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	entry-list		entry-list
	entry-count	number	entry-count

2.19.25 cgnv6 ds-lite user-quota-session

LSN Per User Statistics

user-quota-session Specification

Type	*Configuration Resource*
Element Name	user-quota-session
Element URI	/axapi/v3/cgnv6/ds-lite/user-quota-session
Element Attributes	user-quota-session_attributes
Operational Data URI	/axapi/v3/cgnv6/ds-lite/user-quota-session/oper
Schema	`user-quota-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ds-lite/user-quota-session

user-quota-session attributes

Get Object

GET

/axapi/v3/cgnv6/ds-lite/user-quota-session

user-quota-session attributes

Modify Object

POST

/axapi/v3/cgnv6/ds-lite/user-quota-session

user-quota-session attributes

Replace Object

PUT

/axapi/v3/cgnv6/ds-lite/user-quota-session

user-quota-session attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ds-lite/user-quota-session

user-quota-session attributes

user-quota-session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top-by-tcp-usage	flag	top-by-tcp-usage
	shared-partition	flag	shared-partition
	pool-shared	flag	pool-shared
	all-partitions	flag	all-partitions
	top-by-icmp-usage	flag	top-by-icmp-usage
	top-by-udp-usage	flag	top-by-udp-usage
	top-sort-by-cli	flag	top-sort-by-cli
	top-count	number	top-count
	prefix-filter	ipv6-address-plen	prefix-filter
	nat-addr	ipv4-address	nat-addr
	inside-addr-v6	ipv6-address	inside-addr-v6
	partition-name	string	partition-name
	top-by-all-usage	flag	top-by-all-usage
	session-list		session-list
	session-count	number	session-count
	display-debug	enum	Output contains one of the following values: - true
	nat-pool-name	string	nat-pool-name

2.19.26 cgnv6 ecmp

Configure ECMP hashing method for CGN

ecmp Specification

Type	*Configuration Resource*
Element Name	ecmp
Element URI	/axapi/v3/cgnv6/ecmp
Element Attributes	ecmp_attributes
Schema	`ecmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/ecmp

ecmp attributes

Get Object

GET

/axapi/v3/cgnv6/ecmp

ecmp attributes

Modify Object

POST

/axapi/v3/cgnv6/ecmp

ecmp attributes

Replace Object

PUT

/axapi/v3/cgnv6/ecmp

ecmp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/ecmp

ecmp attributes

ecmp attributes

hashing-type

Description '4-tuple-hash': Hash on Src IP , Src Port, Dest IP and Dest Port;

Type: string

Supported Values: 4-tuple-hash

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.27 cgnv6 fixed-nat

Configure Fixed NAT

fixed-nat Specification

Type	*Intermediate Resource*
Element Name	fixed-nat
Element URI	/axapi/v3/cgnv6/fixed-nat
Element Attributes	fixed-nat_attributes
Schema	`fixed-nat schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/fixed-nat

fixed-nat_attributes

fixed-nat attributes

alg

Description: alg is a **JSON Block**. Please see below for *alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg*

disable

Description: disable is a **JSON Block**. Please see below for *disable*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/disable*

disabled-config

Description: disabled-config is a **JSON Block**. Please see below for *disabled-config*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/disabled-config*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *full-cone-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/global*

histogram

Description: histogram is a **JSON Block**. Please see below for *histogram*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/histogram*

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside*

per-instance

Description: per-instance is a **JSON Block**. Please see below for *per-instance*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/per-instance*

port-mapping

Description: port-mapping is a **JSON Block**. Please see below for *port-mapping*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/port-mapping*

port-mapping-files

Description: port-mapping-files is a **JSON Block**. Please see below for *port-mapping-files*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/port-mapping-files*

user-quota

Description: user-quota is a **JSON Block**. Please see below for *user-quota*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/user-quota*

port-mapping

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg

Specification	
Type	*object*

esp

Description: esp is a **JSON Block**. Please see below for *alg_esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *alg_h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *alg_mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/tftp*

alg_ftp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'port-requests': PORT Requests From Client; 'eprt-requests': EPRT Requests From Client; 'lprt-requests': LPRT Requests From Client; 'pasv-replies': PASV Replies From Server; 'epsv-replies': EPSV Replies From Server; 'lpsv-replies': LPSV Replies From Server; 'port-retransmits': Port Mode Request Retransmits; 'pasv-retransmits': Passive Mode Reply Retransmits; 'port-helper-created': Port Mode Helper Created; 'pasv-helper-created': Passive Mode Helper Created; 'port-helper-freed': Port Mode Helper Freed; 'pasv-helper-freed': Passive Mode Helper Freed; 'port-helper-unused': Port Mode Helper Unused; 'pasv-helper-unused': Passive Mode Helper Unused; 'port-helper-creation-failure': Port

Helper Creation Failure; 'pasv-helper-creation-failure': Passive Helper Creation Failure; 'get-conn-ext-failure': Get Conn Extension Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, port-requests, eprt-requests, lprt-requests, pasv-replies, epsv-replies, lpsv-replies, port-retransmits, pasv-retransmits, port-helper-created, pasv-helper-created, port-helper-freed, pasv-helper-freed, port-helper-unused, pasv-helper-unused, port-helper-creation-failure, pasv-helper-creation-failure, get-conn-ext-failure, smp-app-type-mismatch

alg_sip

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'method-register': SIP Method REGISTER; 'method-invite': SIP Method INVITE; 'method-ack': SIP Method ACK; 'method-cancel': SIP Method CANCEL; 'method-bye': SIP Method BYE; 'method-options': SIP Method OPTIONS; 'method-prack': SIP Method PRACK; 'method-subscribe': SIP Method SUBSCRIBE; 'method-notify': SIP Method NOTIFY; 'method-publish': SIP Method PUBLISH; 'method-info': SIP Method INFO; 'method-refer': SIP Method REFER; 'method-message': SIP Method MESSAGE; 'method-update': SIP Method UPDATE; 'method-unknown': SIP Method UNKNOWN; 'parse-error': SIP Message Parse Error; 'req-uri-op-failrue': SIP Operate Request Uri Failure; 'via-hdr-op-failrue': SIP Operate Via Header Failure; 'contact-hdr-op-failrue': SIP Operate Contact Header Failure; 'from-hdr-op-failrue': SIP Operate From Header Failure; 'to-hdr-op-failrue': SIP Operate To Header Failure; 'route-hdr-op-failrue': SIP Operate Route Header Failure; 'record-route-hdr-op-failrue': SIP Operate Record-Route Header Failure; 'content-length-hdr-op-failrue': SIP Operate Content-Length Failure; 'third-party-registration': SIP Third-Party Registration; 'conn-ext-creation-failure': SIP Create Connection Extension Failure; 'alloc-contact-port-failure': SIP Alloc Contact Port Failure; 'outside-contact-port-mismatch': SIP Outside Contact Port Mismatch NAT Port; 'inside-contact-port-

mismatch': SIP Inside Contact Port Mismatch; 'third-party-sdp': SIP Third-Party SDP; 'sdp-process-candidate-failure': SIP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': SIP Operate SDP Failure; 'sdp-alloc-port-map-success': SIP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': SIP Alloc SDP Port Map Failure; 'modify-failure': SIP Message Modify Failure; 'rewrite-failure': SIP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, req-uri-op-failrue, via-hdr-op-failrue, contact-hdr-op-failrue, from-hdr-op-failrue, to-hdr-op-failrue, route-hdr-op-failrue, record-route-hdr-op-failrue, content-length-hdr-op-failrue, third-party-registration, conn-ext-creation-failure, alloc-contact-port-failure, outside-contact-port-mismatch, inside-contact-port-mismatch, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop, smp-conn-alloc-failure, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

alg_esp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, placeholder-debug

alg_pptp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'mismatched-pns-call-id': Mismatched PNS Call ID; 'gre-sessions-created': GRE Sessions Created; 'gre-sessions-freed': GRE Sessions Freed; 'no-gre-session-match': No Matching GRE Session; 'smp-sessions-created': SMP Sessions Created; 'smp-sessions-freed': SMP Sessions Freed; 'smp-session-creation-failure': SMP Session Creation Failures; 'extension-creation-failure': Extension Creation Failures; 'ha-sent': HA Info Sent; 'ha-rcv': HA Info Received; 'ha-no-mem': HA Memory Allocation Failure; 'ha-conflict': HA Call ID Conflicts; 'ha-overwrite': HA Call ID Overwrites; 'ha-call-sent': HA Call Sent; 'ha-call-rcv': HA Call Received; 'ha-smp-conflict': HA SMP Conflicts; 'ha-smp-in-del-q': HA SMP Deleted; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, calls-established, mismatched-pns-call-id, gre-sessions-created, gre-sessions-freed, no-gre-session-match, smp-sessions-created, smp-sessions-freed, smp-session-creation-failure, extension-creation-failure, ha-sent, ha-rcv, ha-no-mem, ha-conflict, ha-overwrite, ha-call-sent, ha-call-rcv, ha-smp-conflict, ha-smp-in-del-q, smp-app-type-mismatch, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-retransmit-wrong-control, call-reply-retransmit-acquired, call-reply-ext-alloc-failure, smp-client-call-id-mismatch, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

alg_rtsp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'streams-created': Streams Created; 'streams-freed': Streams Freed; 'stream-creation-failure': Stream Creation Failures; 'ports-allocated': Stream Client Ports Allocated; 'ports-freed': Stream Client Ports Freed; 'port-allocation-failure': Stream Client Port Allocation Failures; 'unknown-client-port-from-server': Server Replies With Unknown Client Ports; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'no-session-mem': Data Session Creation Failures; 'smp-inserted': SMP Session Inserted; 'smp-removed': SMP Session Removed; 'smp-reused': SMP Session Reused; 'fixed-nat-lid-standby': New Session Fixed NAT LID Standby; 'smp-deleted': New Session SMP Already Deleted; 'control-closed': New Session Closed; 'data-session-exists': New Session Already Exists; 'data-session-creation-failure': New Data Session Creation Failure; 'rtp-reversed': RTP Reverse Creation; 'rtcp-reversed': RTCP Reverse Creation; 'cross-cpu-sent': Cross CPU Sent; 'cross-cpu-rcv': Cross CPU Received; 'cross-cpu-no-session': Cross CPU No Session Found; 'cross-cpu-created': Cross CPU Creation; 'cross-cpu-rcv-failure': Cross CPU Receive Failure; 'data-free-smp-retry-lookup': Data Session Free SMP Retry Lookup; 'data-free-smp-not-found': Data Session Free SMP Not Found; 'ha-streams-sent': HA Streams Sent; 'ha-streams-rcv': HA Streams Received; 'ha-stream-incompatible': HA Incompatible Streams Received; 'ha-stream-exists': HA Stream Already Exists; 'ha-port-allocation-failure': HA Stream Port Allocation Failure; 'ha-data-session-sent': HA Data Session Sent; 'ha-data-session-rcv': HA Data Session Received; 'ha-data-no-smp': HA Data Session SMP Not Found; 'ha-control-closed': HA New Data Control Session Closed; 'ha-data-exists': HA New Data Session Already Exists; 'ha-extension-failure': HA Conn Extension Failure; 'ha-stream-smp-reused': HA SMP Session Reused; 'ha-stream-smp-acquire-failure': HA SMP Session Acquire Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, streams-created, streams-freed, stream-creation-failure, ports-allocated, ports-freed, port-allocation-failure, unknown-client-port-from-server, data-session-

created, data-session-freed, no-session-mem, smp-inserted, smp-removed, smp-reused, fixed-nat-lid-standby, smp-deleted, control-closed, data-session-exists, data-session-creation-failure, rtp-reversed, rtcp-reversed, cross-cpu-sent, cross-cpu-rcv, cross-cpu-no-session, cross-cpu-created, cross-cpu-rcv-failure, data-free-smp-retry-lookup, data-free-smp-not-found, ha-streams-sent, ha-streams-rcv, ha-stream-incompatible, ha-stream-exists, ha-port-allocation-failure, ha-data-session-sent, ha-data-session-rcv, ha-data-no-smp, ha-control-closed, ha-data-exists, ha-extension-failure, ha-stream-smp-reused, ha-stream-smp-acquire-failure, smp-app-type-mismatch

alg_h323

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_h323_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'h225ras-message': H323 H225 RAS Message; 'h225cs-message': H323 H225 Call Signaling Message; 'h245ctl-message': H323 H245 Media Control Message; 'h245-tunneled': H323 H245 Tunnelled Message; 'fast-start': H323 FastStart; 'parse-error': Message Parse Error; 'message-cross-multi-packets': H323 Message Cross Multiple Packets; 'conn-ext-creation-failure': H323 Packet Rewrite Failure; 'rewrite-failure': H323 Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop; 'h245-dynamic-addr-exceed': H323 H245 Dynamic Address Exceed;

Type: string

Supported Values: all, h225ras-message, h225cs-message, h245ctl-message, h245-tunneled, fast-start, parse-error, message-cross-multi-packets, conn-ext-creation-failure, rewrite-failure, tcp-out-of-order-drop, h245-dynamic-addr-exceed

alg_tftp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

alg_mgcp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_mgcp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auep': MGCP AUEP; 'aucx': MGCP AUCX; 'crcx': MGCP CRCX; 'dlcx': MGCP DLCX; 'epcf': MGCP EPCF; 'mdcx': MGCP MDCX; 'ntfy': MGCP NTFY; 'rqnt': MGCP RQNT; 'rsip': MGCP RSIP; 'parse-error': MGCP Message Parse Error; 'conn-ext-creation-failure': MGCP Create Connection Extension Failure; 'third-party-sdp': MGCP Third-Party SDP; 'sdp-process-candidate-failure': MGCP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': MGCP Operate SDP Failure; 'sdp-alloc-port-map-success': MGCP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': MGCP Alloc SDP Port Map Failure; 'modify-failure': MGCP Message Modify Failure; 'rewrite-failure': MGCP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, auep, aucx, crcx, dlcx, epcf, mdcx, ntfy, rqnt, rsip, parse-error, conn-ext-creation-failure, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop

inside

Specification	
Type	*object*

iplist-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/iplist/{inside-ip-list}+{partition}*

ipv4address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/ipv4address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}*

ipv6address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/ipv6address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}*

inside_iplist-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-ip-list

Description Name of IP List used to specify Inside Users

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv4 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *inside_iplist-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *inside_iplist-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

inside_iplist-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

inside_iplist-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

inside_ipv4address-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-end-address

Description IPv4 Inside User End Address

Type: string

Format: ipv4-address

inside-netmask

Description IPv4 Netmask

Type: string

Format: ipv4-netmask-brief

inside-start-address

Description IPv4 Inside User Start Address

Type: string

Format: ipv4-address

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv4 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *inside_ipv4address-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *inside_ipv4address-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

inside_ipv4address-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

inside_ipv4address-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

inside_ipv6address-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-end-address

Description IPv6 Inside User End Address

Type: string

Format: ipv6-address

inside-netmask

Description Inside User IPv6 Netmask

Type: number

Range: 64-128

inside-start-address

Description IPv6 Inside User Start Address

Type: string

Format: ipv6-address

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv6 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *inside_ipv6address-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *inside_ipv6address-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

inside_ipv6address-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

inside_ipv6address-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

global

Specification	
Type	*object*

create-port-mapping-file

Description Create Port Mapping File

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-mapping-files-count

Description Number of old fixed_nat files to store

Type: number

Range: 1-10

Default: 5

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-nat-in-use': Total NAT Addresses in-use; 'total-tcp-allocated': Total TCP Ports Allocated; 'total-tcp-freed': Total TCP Ports Freed; 'total-udp-allocated': Total UDP Ports Allocated; 'total-udp-freed': Total UDP Ports Freed; 'total-icmp-allocated': Total ICMP Ports Allocated; 'total-icmp-freed': Total ICMP Ports Freed; 'nat44-data-session-created': NAT44 Data Sessions Created; 'nat44-data-session-freed': NAT44 Data Sessions Freed; 'nat64-data-session-created': NAT64 Data Sessions Created; 'nat64-data-session-freed': NAT64 Data Sessions Freed; 'dslite-data-session-created': DS-Lite Data Sessions Created; 'dslite-data-session-freed': DS-Lite Data Sessions Freed; 'nat-port-unavailable-tcp': TCP NAT Port Unavailable; 'nat-port-unavailable-udp': UDP NAT Port Unavailable; 'nat-port-unavailable-icmp': ICMP NAT Port Unavailable; 'session-user-quota-exceeded': Sessions User Quota Exceeded; 'nat44-tcp-fullcone-created': NAT44 TCP Full-Cone Created; 'nat44-tcp-fullcone-freed': NAT44 TCP Full-Cone Freed; 'nat44-udp-fullcone-created': NAT44 UDP Full-Cone Created; 'nat44-udp-fullcone-freed': NAT44 UDP Full-Cone Freed; 'nat44-udp-alg-fullcone-created': NAT44 UDP ALG Full-Cone Created; 'nat44-udp-alg-fullcone-freed': NAT44 UDP ALG Full-Cone Freed; 'nat64-tcp-fullcone-created': NAT64 TCP Full-Cone Created; 'nat64-tcp-fullcone-freed': NAT64 TCP Full-Cone Freed; 'nat64-udp-fullcone-created': NAT64 UDP Full-Cone Created; 'nat64-udp-fullcone-freed': NAT64 UDP Full-Cone Freed; 'nat64-udp-alg-fullcone-created': NAT64 UDP ALG Full-Cone Created; 'nat64-udp-alg-fullcone-freed': NAT64 UDP ALG Full-Cone Freed; 'dslite-tcp-fullcone-created': DS-Lite TCP Full-Cone Created; 'dslite-tcp-fullcone-freed': DS-Lite TCP Full-Cone Freed; 'dslite-udp-fullcone-created': DS-Lite UDP Full-Cone Created; 'dslite-udp-fullcone-freed': DS-Lite UDP Full-Cone Freed; 'dslite-udp-alg-fullcone-created': DS-Lite UDP ALG Full-Cone Created; 'dslite-udp-alg-fullcone-freed': DS-Lite UDP ALG Full-Cone Freed; 'fullcone-failure': Full-Cone Session Creation Failed; 'nat44-eim-match': NAT44 Endpoint-Independent-Mapping Matched; 'nat64-eim-match': NAT64 Endpoint-Independent-Mapping Matched; 'dslite-eim-match': DS-Lite Endpoint-Independent-Mapping Matched; 'nat44-eif-match': NAT44 Endpoint-Independent-Filtering Matched; 'nat64-eif-match': NAT64 Endpoint-Independent-Filtering Matched; 'dslite-eif-match': DS-Lite Endpoint-Independent-Filtering Matched; 'nat44-inbound-filtered': NAT44 Endpoint-Dependent Filtering Drop; 'nat64-inbound-filtered': NAT64 Endpoint-Dependent Filtering Drop; 'dslite-inbound-filtered': DS-Lite Endpoint-Dependent Filtering Drop; 'nat44-eif-limit-exceeded': NAT44 Endpoint-Independent-Filtering Limit Exceeded; 'nat64-eif-limit-exceeded': NAT64 Endpoint-Independent-Filtering Limit Exceeded; 'dslite-eif-limit-exceeded': DS-Lite Endpoint-Independent-Filtering Limit Exceeded; 'nat44-hairpin': NAT44 Hairpin Session Created; 'nat64-hairpin': NAT64 Hairpin Session Created; 'dslite-hairpin': DS-Lite Hairpin Session Created; 'standby-drop': Fixed NAT LID Standby Drop; 'fixed-nat-fullcone-self-hairpinning-drop': Self-Hairpinning Drop; '6rd-drop': Fixed NAT IPv6 in IPv4 Packet Drop; 'dest-rlist-drop': Fixed NAT Dest Rule List Drop; 'dest-rlist-pass-through':

Fixed NAT Dest Rule List Pass-Through; 'dest-rlist-snat-drop': Fixed NAT Dest Rules List Source NAT Drop; 'cross-cpu-helper-created': Cross CPU Helper Session Created; 'cross-cpu-helper-free-retry-lookup': Cross CPU Helper Session Free Retry Lookup; 'cross-cpu-helper-free-not-found': Cross CPU Helper Session Free not Found; 'cross-cpu-helper-free': Cross CPU Helper Session Freed; 'cross-cpu-rcv': Cross CPU Helper Packets Received; 'cross-cpu-bad-l3': Cross CPU Unsupported L3; 'cross-cpu-bad-l4': Cross CPU Unsupported L4; 'cross-cpu-no-session': Cross CPU no Session Found; 'cross-cpu-helper-deleted': Cross CPU Helper Session Deleted; 'cross-cpu-helper-fixed-nat-lid-standby': Cross CPU Helper Fixed NAT LID Standby; 'cross-cpu-helper-cpu-mismatch': Cross CPU Helper CPU Mismatch; 'cross-cpu-sent': Cross CPU Helper Packets Sent; 'lid-not-enabled': Fixed NAT LID not Enabled; 'fullcone-in-del-q': Full-Cone Session in Delete Queue; 'fullcone-overflow': Fell-Cone Session Conn-Count Overflow; 'fullcone-inbound-idx-mismatch': Full-Cone Session Fixed NAT LID mismatch; 'fullcone-retry-lookup': Full-cone session retry look-up; 'fullcone-not-found': Full-cone session not found; 'fullcone-overflow-eim': Full-cone EIM Overflow; 'fullcone-overflow-eif': Full-cone EIF Overflow; 'ha-config-mismatch': HA Fixed NAT Config Mismatch; 'ha-user-quota-exceeded': HA User Quota Exceeded; 'ha-fullcone-mismatch': HA Full-Cone Mismatch; 'ha-dnat-mismatch': HA Destination NAT Config Mismatch; 'ha-nat-port-unavailable': HA NAT Port Unavailable; 'ha-fullcone-failure': HA Full-Cone Failure; 'ha-endpoint-indep-map-match': HA Endpoint-Independent-Mapping Match; 'udp-alg-eim-mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp-alg-no-nat-ip': UDP ALG User-Quota Unknown NAT IP; 'udp-alg-alloc-failure': UDP ALG Port Allocation Failure; 'mtu-exceeded': Packet Exceeded MTU; 'frag': Fragmented Packets; 'frag-icmp': ICMP Packet Too Big Sent; 'periodic-log-msg-alloc': Fixed NAT Periodic Log Msg Allocated; 'periodic-log-msg-free': Fixed NAT Periodic Log Msg Freed; 'disable-log-msg-alloc': Fixed NAT Disable Log Msg Allocated; 'disable-log-msg-free': Fixed NAT Disable Log Msg Freed; 'sip-alg-reuse-contact-fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip-alg-contact-fullcone-mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip-alg-create-contact-fullcone-failure': SIP ALG Create Contact Full-cone Session Failure; 'sip-alg-single-rtp-fullcone': SIP ALG Single RTP Full-cone Found; 'sip-alg-rtcp-fullcone-mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip-alg-reuse-rtp-rtcp-fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip-alg-single-rtcp-fullcone': SIP ALG Single RTCP Full-cone Found; 'sip-alg-create-rtp-fullcone-failure': SIP ALG Create RTP Full-cone Session Failure; 'sip-alg-create-rtcp-fullcone-failure': SIP ALG Create RTCP Full-cone Session Failure; 'icmp-out-of-state-uqe-admin-filtered-sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp-out-of-state-uqe-host-unreachable-sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp-out-of-state-uqe-dropped': Total User Queue Exceeded ICMP notification dropped; 'nat-esp-ip-conflicts': Fixed NAT ESP IP Conflicts; 'total-tcp-allocated-shadow': Total TCP Ports Allocated; 'total-tcp-freed-shadow': Total TCP Ports Freed; 'total-udp-allocated-shadow': Total UDP Ports Allocated; 'total-udp-freed-shadow': Total UDP Ports Freed; 'total-icmp-allocated-shadow': Total ICMP Ports Allocated; 'total-icmp-freed-shadow': Total ICMP Ports Freed; 'nat44-data-session-created-shadow': NAT44 Data Sessions Created; 'nat44-data-session-freed-shadow': NAT44 Data Sessions Freed; 'nat64-data-session-created-shadow': NAT64 Data Sessions Created; 'nat64-data-session-freed-shadow': NAT64 Data Sessions Freed; 'dslite-data-session-created-shadow': DS-Lite Data Sessions Created; 'dslite-data-session-freed-shadow': DS-Lite Data Sessions Freed; 'nat44-tcp-fullcone-created-shadow': NAT44 TCP Full-Cone Created; 'nat44-tcp-fullcone-freed-shadow': NAT44 TCP Full-Cone Freed; 'nat44-udp-fullcone-created-shadow': NAT44 UDP Full-Cone Created; 'nat44-udp-fullcone-freed-shadow': NAT44 UDP Full-Cone Freed; 'nat44-udp-alg-fullcone-created-shadow': NAT44 UDP ALG Full-Cone Created;

Type: string

Supported Values: all, total-nat-in-use, total-tcp-allocated, total-tcp-freed, total-udp-allocated, total-udp-freed, total-icmp-allocated, total-icmp-freed, nat44-data-session-created, nat44-data-session-freed, nat64-data-session-created, nat64-data-session-freed, dslite-data-

session-created, dslite-data-session-freed, nat-port-unavailable-tcp, nat-port-unavailable-udp, nat-port-unavailable-icmp, session-user-quota-exceeded, nat44-tcp-fullcone-created, nat44-tcp-fullcone-freed, nat44-udp-fullcone-created, nat44-udp-fullcone-freed, nat44-udp-alg-fullcone-created, nat44-udp-alg-fullcone-freed, nat64-tcp-fullcone-created, nat64-tcp-fullcone-freed, nat64-udp-fullcone-created, nat64-udp-fullcone-freed, nat64-udp-alg-fullcone-created, nat64-udp-alg-fullcone-freed, dslite-tcp-fullcone-created, dslite-tcp-fullcone-freed, dslite-udp-fullcone-created, dslite-udp-fullcone-freed, dslite-udp-alg-fullcone-created, dslite-udp-alg-fullcone-freed, fullcone-failure, nat44-eim-match, nat64-eim-match, dslite-eim-match, nat44-eif-match, nat64-eif-match, dslite-eif-match, nat44-inbound-filtered, nat64-inbound-filtered, dslite-inbound-filtered, nat44-eif-limit-exceeded, nat64-eif-limit-exceeded, dslite-eif-limit-exceeded, nat44-hairpin, nat64-hairpin, dslite-hairpin, standby-drop, fixed-nat-fullcone-self-hairpinning-drop, sixrd-drop, dest-rlist-drop, dest-rlist-pass-through, dest-rlist-snat-drop, cross-cpu-helper-created, cross-cpu-helper-free-retry-lookup, cross-cpu-helper-free-not-found, cross-cpu-helper-free, cross-cpu-rcv, cross-cpu-bad-l3, cross-cpu-bad-l4, cross-cpu-no-session, cross-cpu-helper-deleted, cross-cpu-helper-fixed-nat-lid-standby, cross-cpu-helper-cpu-mismatch, cross-cpu-sent, config-not-found, fullcone-in-del-q, fullcone-overflow, fullcone-inbound-idx-mismatch, fullcone-retry-lookup, fullcone-not-found, fullcone-overflow-eim, fullcone-overflow-eif, ha-config-mismatch, ha-user-quota-exceeded, ha-fullcone-mismatch, ha-dnat-mismatch, ha-nat-port-unavailable, ha-fullcone-failure, ha-endpoint-indep-map-match, udp-alg-eim-mismatch, udp-alg-no-nat-ip, udp-alg-alloc-failure, mtu-exceeded, frag, frag-icmp, periodic-log-msg-alloc, periodic-log-msg-free, disable-log-msg-alloc, disable-log-msg-free, sip-alg-reuse-contact-fullcone, sip-alg-contact-fullcone-mismatch, sip-alg-create-contact-fullcone-failure, sip-alg-single-rtp-fullcone, sip-alg-rtcp-fullcone-mismatch, sip-alg-reuse-rtp-rtcp-fullcone, sip-alg-single-rtcp-fullcone, sip-alg-create-rtp-fullcone-failure, sip-alg-create-rtcp-fullcone-failure, icmp-out-of-state-uqe-admin-filtered-sent, icmp-out-of-state-uqe-host-unreachable-sent, icmp-out-of-state-uqe-dropped, nat-esp-ip-conflicts, total-tcp-allocated-shadow, total-tcp-freed-shadow, total-udp-allocated-shadow, total-udp-freed-shadow, total-icmp-allocated-shadow, total-icmp-freed-shadow, nat44-data-session-created-shadow, nat44-data-session-freed-shadow, nat64-data-session-created-shadow, nat64-data-session-freed-shadow, dslite-data-session-created-shadow, dslite-data-session-freed-shadow, nat44-tcp-fullcone-created-shadow, nat44-tcp-fullcone-freed-shadow, nat44-udp-fullcone-created-shadow, nat44-udp-fullcone-freed-shadow, nat44-udp-alg-fullcone-created-shadow

counters2

Description 'nat44-udp-alg-fullcone-freed-shadow': NAT44 UDP ALG Full-Cone Freed; 'nat64-tcp-fullcone-created-shadow': NAT64 TCP Full-Cone Created; 'nat64-tcp-fullcone-freed-shadow': NAT64 TCP Full-Cone Freed; 'nat64-udp-fullcone-created-shadow': NAT64 UDP Full-Cone Created; 'nat64-udp-fullcone-freed-shadow': NAT64 UDP Full-Cone Freed; 'nat64-udp-alg-fullcone-created-shadow': NAT64 UDP ALG Full-Cone Created; 'nat64-udp-alg-fullcone-freed-shadow': NAT64 UDP ALG Full-Cone Freed; 'dslite-tcp-fullcone-created-shadow': DS-Lite TCP Full-Cone Created; 'dslite-tcp-fullcone-freed-shadow': DS-Lite TCP Full-Cone Freed; 'dslite-udp-fullcone-created-shadow': DS-Lite UDP Full-Cone Created; 'dslite-udp-fullcone-freed-shadow': DS-Lite UDP Full-Cone Freed; 'dslite-udp-alg-fullcone-created-shadow': DS-Lite UDP ALG Full-Cone Created; 'dslite-udp-alg-fullcone-freed-shadow': DS-Lite UDP ALG Full-Cone Freed;

Type: string

Supported Values: nat44-udp-alg-fullcone-freed-shadow, nat64-tcp-fullcone-created-shadow, nat64-tcp-fullcone-freed-shadow, nat64-udp-fullcone-created-shadow, nat64-udp-fullcone-freed-shadow, nat64-udp-alg-fullcone-created-shadow, nat64-udp-alg-fullcone-freed-shadow, dslite-tcp-fullcone-created-shadow, dslite-tcp-fullcone-freed-shadow, dslite-udp-fullcone-created-shadow, dslite-udp-fullcone-freed-shadow, dslite-udp-alg-fullcone-created-shadow, dslite-udp-alg-fullcone-freed-shadow, h323-alg-reuse-fullcone, h323-alg-fullcone-

mismatch, h323-alg-create-fullcone-failure, h323-alg-single-rtp-fullcone, h323-alg-rtcp-fullcone-mismatch, h323-alg-reuse-rtp-rtcp-fullcone, h323-alg-single-rtcp-fullcone, h323-alg-create-rtp-fullcone-failure, h323-alg-create-rtcp-fullcone-failure, mgcp-alg-reuse-fullcone, mgcp-alg-fullcone-mismatch, mgcp-alg-create-fullcone-failure, mgcp-alg-single-rtp-fullcone, mgcp-alg-rtcp-fullcone-mismatch, mgcp-alg-reuse-rtp-rtcp-fullcone, mgcp-alg-single-rtcp-fullcone, mgcp-alg-create-rtp-fullcone-failure, mgcp-alg-create-rtcp-fullcone-failure, user-unusable-drop, ipv4-user-unusable, ipv6-user-unusable, ipd-disabled, dslite_tunnel_frag, total-tcp-overload-acquired, total-udp-overload-acquired, total-tcp-overload-released, total-udp-overload-released, total-tcp-alloc-overload, total-udp-alloc-overload, total-tcp-free-overload, total-udp-free-overload, port-overload-smp-delete-scheduled, port-overload-smp-mem-allocated, port-overload-out-of-memory, port-overload-smp-free, port-overload-smp-free-no-lid, port-overload-free-smp-not-found, port-overload-failed, total-tcp-overload-acquired-shadow, total-udp-overload-acquired-shadow, total-tcp-overload-released-shadow, total-udp-overload-released-shadow, total-tcp-alloc-overload-shadow, total-udp-alloc-overload-shadow, total-tcp-free-overload-shadow, total-udp-free-overload-shadow, ha-session-user-quota-exceeded, tcp-user-quota-exceeded, udp-user-quota-exceeded, icmp-user-quota-exceeded, ha-tcp-user-quota-exceeded, ha-udp-user-quota-exceeded, ha-icmp-user-quota-exceeded, ha-nat-port-unavailable-tcp, ha-nat-port-unavailable-udp, ha-nat-port-unavailable-icmp, fnat44_fwd_ingress_packets_tcp, fnat44_fwd_egress_packets_tcp, fnat44_rev_ingress_packets_tcp, fnat44_rev_egress_packets_tcp, fnat44_fwd_ingress_bytes_tcp, fnat44_fwd_egress_bytes_tcp, fnat44_rev_ingress_bytes_tcp, fnat44_rev_egress_bytes_tcp, fnat44_fwd_ingress_packets_udp, fnat44_fwd_egress_packets_udp, fnat44_rev_ingress_packets_udp, fnat44_rev_egress_packets_udp, fnat44_fwd_ingress_bytes_udp, fnat44_fwd_egress_bytes_udp, fnat44_rev_ingress_bytes_udp, fnat44_rev_egress_bytes_udp, fnat44_fwd_ingress_packets_icmp, fnat44_fwd_egress_packets_icmp, fnat44_rev_ingress_packets_icmp, fnat44_rev_egress_packets_icmp, fnat44_fwd_ingress_bytes_icmp, fnat44_fwd_egress_bytes_icmp, fnat44_rev_ingress_bytes_icmp, fnat44_rev_egress_bytes_icmp, fnat44_fwd_ingress_packets_others, fnat44_fwd_egress_packets_others, fnat44_rev_ingress_packets_others, fnat44_rev_egress_packets_others, fnat44_fwd_ingress_bytes_others, fnat44_fwd_egress_bytes_others, fnat44_rev_ingress_bytes_others, fnat44_rev_egress_bytes_others, fnat44_fwd_ingress_pkt_size_range1, fnat44_fwd_ingress_pkt_size_range2, fnat44_fwd_ingress_pkt_size_range3, fnat44_fwd_ingress_pkt_size_range4, fnat44_fwd_egress_pkt_size_range1

counters3

Description 'fnat44_fwd_egress_pkt_size_range2': Fixed NAT44 Forward Egress Packet size between 201 and 800; 'fnat44_fwd_egress_pkt_size_range3': Fixed NAT44 Forward Egress Packet size between 801 and 1550; 'fnat44_fwd_egress_pkt_size_range4': Fixed NAT44 Forward Egress Packet size between 1551 and 9000; 'fnat44_rev_ingress_pkt_size_range1': Fixed NAT44 Reverse Ingress Packet size between 0 and 200; 'fnat44_rev_ingress_pkt_size_range2': Fixed NAT44 Reverse Ingress Packet size between 201 and 800; 'fnat44_rev_ingress_pkt_size_range3': Fixed NAT44 Reverse Ingress Packet size between 801 and 1550; 'fnat44_rev_ingress_pkt_size_range4': Fixed NAT44 Reverse Ingress Packet size between 1551 and 9000; 'fnat44_rev_egress_pkt_size_range1': Fixed NAT44 Reverse Egress Packet size between 0 and 200; 'fnat44_rev_egress_pkt_size_range2': Fixed NAT44 Reverse Egress Packet size between 201 and 800; 'fnat44_rev_egress_pkt_size_range3': Fixed NAT44 Reverse Egress Packet size between 801 and 1550; 'fnat44_rev_egress_pkt_size_range4': Fixed NAT44 Reverse Egress Packet size between 1551 and 9000; 'fnat64_fwd_ingress_packets_tcp': Fixed NAT64 Forward Ingress Packets TCP; 'fnat64_fwd_egress_packets_tcp': Fixed NAT64 Forward Egress Packets TCP; 'fnat64_rev_ingress_packets_tcp':

Fixed NAT64 Reverse Ingress Packets TCP; 'fnat64_rev_egress_packets_tcp': Fixed NAT64 Reverse Egress Packets TCP; 'fnat64_fwd_ingress_bytes_tcp': Fixed NAT64 Forward Ingress Bytes TCP; 'fnat64_fwd_egress_bytes_tcp': Fixed NAT64 Forward Egress Bytes TCP; 'fnat64_rev_ingress_bytes_tcp': Fixed NAT64 Reverse Ingress Bytes TCP; 'fnat64_rev_egress_bytes_tcp': Fixed NAT64 Reverse Egress Bytes TCP; 'fnat64_fwd_ingress_packets_udp': Fixed NAT64 Forward Ingress Packets UDP; 'fnat64_fwd_egress_packets_udp': Fixed NAT64 Forward Egress Packets UDP; 'fnat64_rev_ingress_packets_udp': Fixed NAT64 Reverse Ingress Packets UDP; 'fnat64_rev_egress_packets_udp': Fixed NAT64 Reverse Egress Packets UDP; 'fnat64_fwd_ingress_bytes_udp': Fixed NAT64 Forward Ingress Bytes UDP; 'fnat64_fwd_egress_bytes_udp': Fixed NAT64 Forward Egress Bytes UDP; 'fnat64_rev_ingress_bytes_udp': Fixed NAT64 Reverse Ingress Bytes UDP; 'fnat64_rev_egress_bytes_udp': Fixed NAT64 Reverse Egress Bytes UDP; 'fnat64_fwd_ingress_packets_icmp': Fixed NAT64 Forward Ingress Packets ICMP; 'fnat64_fwd_egress_packets_icmp': Fixed NAT64 Forward Egress Packets ICMP; 'fnat64_rev_ingress_packets_icmp': Fixed NAT64 Reverse Ingress Packets ICMP; 'fnat64_rev_egress_packets_icmp': Fixed NAT64 Reverse Egress Packets ICMP; 'fnat64_fwd_ingress_bytes_icmp': Fixed NAT64 Forward Ingress Bytes ICMP; 'fnat64_fwd_egress_bytes_icmp': Fixed NAT64 Forward Egress Bytes ICMP; 'fnat64_rev_ingress_bytes_icmp': Fixed NAT64 Reverse Ingress Bytes ICMP; 'fnat64_rev_egress_bytes_icmp': Fixed NAT64 Reverse Egress Bytes ICMP; 'fnat64_fwd_ingress_packets_others': Fixed NAT64 Forward Ingress Packets OTHERS; 'fnat64_fwd_egress_packets_others': Fixed NAT64 Forward Egress Packets OTHERS; 'fnat64_rev_ingress_packets_others': Fixed NAT64 Reverse Ingress Packets OTHERS; 'fnat64_rev_egress_packets_others': Fixed NAT64 Reverse Egress Packets OTHERS; 'fnat64_fwd_ingress_bytes_others': Fixed NAT64 Forward Ingress Bytes OTHERS; 'fnat64_fwd_egress_bytes_others': Fixed NAT64 Forward Egress Bytes OTHERS; 'fnat64_rev_ingress_bytes_others': Fixed NAT64 Reverse Ingress Bytes OTHERS; 'fnat64_rev_egress_bytes_others': Fixed NAT64 Reverse Egress Bytes OTHERS; 'fnat64_fwd_ingress_pkt_size_range1': Fixed NAT64 Forward Ingress Packet size between 0 and 200; 'fnat64_fwd_ingress_pkt_size_range2': Fixed NAT64 Forward Ingress Packet size between 201 and 800; 'fnat64_fwd_ingress_pkt_size_range3': Fixed NAT64 Forward Ingress Packet size between 801 and 1550; 'fnat64_fwd_ingress_pkt_size_range4': Fixed NAT64 Forward Ingress Packet size between 1551 and 9000; 'fnat64_fwd_egress_pkt_size_range1': Fixed NAT64 Forward Egress Packet size between 0 and 200; 'fnat64_fwd_egress_pkt_size_range2': Fixed NAT64 Forward Egress Packet size between 201 and 800; 'fnat64_fwd_egress_pkt_size_range3': Fixed NAT64 Forward Egress Packet size between 801 and 1550; 'fnat64_fwd_egress_pkt_size_range4': Fixed NAT64 Forward Egress Packet size between 1551 and 9000; 'fnat64_rev_ingress_pkt_size_range1': Fixed NAT64 Reverse Ingress Packet size between 0 and 200; 'fnat64_rev_ingress_pkt_size_range2': Fixed NAT64 Reverse Ingress Packet size between 201 and 800; 'fnat64_rev_ingress_pkt_size_range3': Fixed NAT64 Reverse Ingress Packet size between 801 and 1550; 'fnat64_rev_ingress_pkt_size_range4': Fixed NAT64 Reverse Ingress Packet size between 1551 and 9000; 'fnat64_rev_egress_pkt_size_range1': Fixed NAT64 Reverse Egress Packet size between 0 and 200; 'fnat64_rev_egress_pkt_size_range2': Fixed NAT64 Reverse Egress Packet size between 201 and 800; 'fnat64_rev_egress_pkt_size_range3': Fixed NAT64 Reverse Egress Packet size between 801 and 1550; 'fnat64_rev_egress_pkt_size_range4': Fixed NAT64 Reverse Egress Packet size between 1551 and 9000; 'fnatdslite_fwd_ingress_packets_tcp': Fixed DS-Lite Forward Ingress Packets TCP; 'fnatdslite_fwd_egress_packets_tcp': Fixed DS-Lite Forward Egress Packets TCP; 'fnatdslite_rev_ingress_packets_tcp': Fixed DS-Lite Reverse Ingress Packets TCP; 'fnatdslite_rev_egress_packets_tcp': Fixed DS-Lite Reverse Egress Packets TCP; 'fnatdslite_fwd_ingress_bytes_tcp': Fixed DS-Lite Forward Ingress Bytes TCP; 'fnatdslite_fwd_egress_bytes_tcp': Fixed DS-Lite For-

ward Egress Bytes TCP; 'fnatdslite_rev_ingress_bytes_tcp': Fixed DS-Lite Reverse Ingress Bytes TCP; 'fnatdslite_rev_egress_bytes_tcp': Fixed DS-Lite Reverse Egress Bytes TCP; 'fnatdslite_fwd_ingress_packets_udp': Fixed DS-Lite Forward Ingress Packets UDP; 'fnatdslite_fwd_egress_packets_udp': Fixed DS-Lite Forward Egress Packets UDP; 'fnatdslite_rev_ingress_packets_udp': Fixed DS-Lite Reverse Ingress Packets UDP; 'fnatdslite_rev_egress_packets_udp': Fixed DS-Lite Reverse Egress Packets UDP; 'fnatdslite_fwd_ingress_bytes_udp': Fixed DS-Lite Forward Ingress Bytes UDP; 'fnatdslite_fwd_egress_bytes_udp': Fixed DS-Lite Forward Egress Bytes UDP; 'fnatdslite_rev_ingress_bytes_udp': Fixed DS-Lite Reverse Ingress Bytes UDP; 'fnatdslite_rev_egress_bytes_udp': Fixed DS-Lite Reverse Egress Bytes UDP; 'fnatdslite_fwd_ingress_packets_icmp': Fixed DS-Lite Forward Ingress Packets ICMP; 'fnatdslite_fwd_egress_packets_icmp': Fixed DS-Lite Forward Egress Packets ICMP; 'fnatdslite_rev_ingress_packets_icmp': Fixed DS-Lite Reverse Ingress Packets ICMP; 'fnatdslite_rev_egress_packets_icmp': Fixed DS-Lite Reverse Egress Packets ICMP; 'fnatdslite_fwd_ingress_bytes_icmp': Fixed DS-Lite Forward Ingress Bytes ICMP; 'fnatdslite_fwd_egress_bytes_icmp': Fixed DS-Lite Forward Egress Bytes ICMP; 'fnatdslite_rev_ingress_bytes_icmp': Fixed DS-Lite Reverse Ingress Bytes ICMP; 'fnatdslite_rev_egress_bytes_icmp': Fixed DS-Lite Reverse Egress Bytes ICMP; 'fnatdslite_fwd_ingress_packets_others': Fixed DS-Lite Forward Ingress Packets OTHERS; 'fnatdslite_fwd_egress_packets_others': Fixed DS-Lite Forward Egress Packets OTHERS; 'fnatdslite_rev_ingress_packets_others': Fixed DS-Lite Reverse Ingress Packets OTHERS; 'fnatdslite_rev_egress_packets_others': Fixed DS-Lite Reverse Egress Packets OTHERS; 'fnatdslite_fwd_ingress_bytes_others': Fixed DS-Lite Forward Ingress Bytes OTHERS; 'fnatdslite_fwd_egress_bytes_others': Fixed DS-Lite Forward Egress Bytes OTHERS; 'fnatdslite_rev_ingress_bytes_others': Fixed DS-Lite Reverse Ingress Bytes OTHERS; 'fnatdslite_rev_egress_bytes_others': Fixed DS-Lite Reverse Egress Bytes OTHERS; 'fnatdslite_fwd_ingress_pkt_size_range1': Fixed DS-Lite Forward Ingress Packet size between 0 and 200;

Type: string

Supported Values: fnat44_fwd_egress_pkt_size_range2, fnat44_fwd_egress_pkt_size_range3, fnat44_fwd_egress_pkt_size_range4, fnat44_rev_ingress_pkt_size_range1, fnat44_rev_ingress_pkt_size_range2, fnat44_rev_ingress_pkt_size_range3, fnat44_rev_ingress_pkt_size_range4, fnat44_rev_egress_pkt_size_range1, fnat44_rev_egress_pkt_size_range2, fnat44_rev_egress_pkt_size_range3, fnat44_rev_egress_pkt_size_range4, fnat64_fwd_ingress_packets_tcp, fnat64_fwd_egress_packets_tcp, fnat64_rev_ingress_packets_tcp, fnat64_rev_egress_packets_tcp, fnat64_fwd_ingress_bytes_tcp, fnat64_fwd_egress_bytes_tcp, fnat64_rev_ingress_bytes_tcp, fnat64_rev_egress_bytes_tcp, fnat64_fwd_ingress_packets_udp, fnat64_fwd_egress_packets_udp, fnat64_rev_ingress_packets_udp, fnat64_rev_egress_packets_udp, fnat64_fwd_ingress_bytes_udp, fnat64_fwd_egress_bytes_udp, fnat64_rev_ingress_bytes_udp, fnat64_rev_egress_bytes_udp, fnat64_fwd_ingress_packets_icmp, fnat64_fwd_egress_packets_icmp, fnat64_rev_ingress_packets_icmp, fnat64_rev_egress_packets_icmp, fnat64_fwd_ingress_bytes_icmp, fnat64_fwd_egress_bytes_icmp, fnat64_rev_ingress_bytes_icmp, fnat64_rev_egress_bytes_icmp, fnat64_fwd_ingress_packets_others, fnat64_fwd_egress_packets_others, fnat64_rev_ingress_packets_others, fnat64_rev_egress_packets_others, fnat64_fwd_ingress_bytes_others, fnat64_fwd_egress_bytes_others, fnat64_rev_ingress_bytes_others, fnat64_rev_egress_bytes_others, fnat64_fwd_ingress_pkt_size_range1, fnat64_fwd_ingress_pkt_size_range2, fnat64_fwd_ingress_pkt_size_range3, fnat64_fwd_ingress_pkt_size_range4, fnat64_fwd_egress_pkt_size_range1, fnat64_fwd_egress_pkt_size_range2,

fnat64_fwd_egress_pkt_size_range3, fnat64_fwd_egress_pkt_size_range4, fnat64_rev_ingress_pkt_size_range1, fnat64_rev_ingress_pkt_size_range2, fnat64_rev_ingress_pkt_size_range3, fnat64_rev_ingress_pkt_size_range4, fnat64_rev_egress_pkt_size_range1, fnat64_rev_egress_pkt_size_range2, fnat64_rev_egress_pkt_size_range3, fnat64_rev_egress_pkt_size_range4, fnatdslite_fwd_ingress_packets_tcp, fnatdslite_fwd_egress_packets_tcp, fnatdslite_rev_ingress_packets_tcp, fnatdslite_rev_egress_packets_tcp, fnatdslite_fwd_ingress_bytes_tcp, fnatdslite_fwd_egress_bytes_tcp, fnatdslite_rev_ingress_bytes_tcp, fnatdslite_rev_egress_bytes_tcp, fnatdslite_fwd_ingress_packets_udp, fnatdslite_fwd_egress_packets_udp, fnatdslite_rev_ingress_packets_udp, fnatdslite_rev_egress_packets_udp, fnatdslite_fwd_ingress_bytes_udp, fnatdslite_fwd_egress_bytes_udp, fnatdslite_rev_ingress_bytes_udp, fnatdslite_rev_egress_bytes_udp, fnatdslite_fwd_ingress_packets_icmp, fnatdslite_fwd_egress_packets_icmp, fnatdslite_rev_ingress_packets_icmp, fnatdslite_rev_egress_packets_icmp, fnatdslite_fwd_ingress_bytes_icmp, fnatdslite_fwd_egress_bytes_icmp, fnatdslite_rev_ingress_bytes_icmp, fnatdslite_rev_egress_bytes_icmp, fnatdslite_fwd_ingress_packets_others, fnatdslite_fwd_egress_packets_others, fnatdslite_rev_ingress_packets_others, fnatdslite_rev_egress_packets_others, fnatdslite_fwd_ingress_bytes_others, fnatdslite_fwd_egress_bytes_others, fnatdslite_rev_ingress_bytes_others, fnatdslite_rev_egress_bytes_others, fnatdslite_fwd_ingress_pkt_size_range1

counters4

Description 'fnatdslite_fwd_ingress_pkt_size_range2': Fixed DS-Lite Forward Ingress Packet size between 201 and 800; 'fnatdslite_fwd_ingress_pkt_size_range3': Fixed DS-Lite Forward Ingress Packet size between 801 and 1550; 'fnatdslite_fwd_ingress_pkt_size_range4': Fixed DS-Lite Forward Ingress Packet size between 1551 and 9000; 'fnatdslite_fwd_egress_pkt_size_range1': Fixed DS-Lite Forward Egress Packet size between 0 and 200; 'fnatdslite_fwd_egress_pkt_size_range2': Fixed DS-Lite Forward Egress Packet size between 201 and 800; 'fnatdslite_fwd_egress_pkt_size_range3': Fixed DS-Lite Forward Egress Packet size between 801 and 1550; 'fnatdslite_fwd_egress_pkt_size_range4': Fixed DS-Lite Forward Egress Packet size between 1551 and 9000; 'fnatdslite_rev_ingress_pkt_size_range1': Fixed DS-Lite Reverse Ingress Packet size between 0 and 200; 'fnatdslite_rev_ingress_pkt_size_range2': Fixed DS-Lite Reverse Ingress Packet size between 201 and 800; 'fnatdslite_rev_ingress_pkt_size_range3': Fixed DS-Lite Reverse Ingress Packet size between 801 and 1550; 'fnatdslite_rev_ingress_pkt_size_range4': Fixed DS-Lite Reverse Ingress Packet size between 1551 and 9000; 'fnatdslite_rev_egress_pkt_size_range1': Fixed DS-Lite Reverse Egress Packet size between 0 and 200; 'fnatdslite_rev_egress_pkt_size_range2': Fixed DS-Lite Reverse Egress Packet size between 201 and 800; 'fnatdslite_rev_egress_pkt_size_range3': Fixed DS-Lite Reverse Egress Packet size between 801 and 1550; 'fnatdslite_rev_egress_pkt_size_range4': Fixed DS-Lite Reverse Egress Packet size between 1551 and 9000;

Type: string

Supported Values: fnatdslite_fwd_ingress_pkt_size_range2, fnatdslite_fwd_ingress_pkt_size_range3, fnatdslite_fwd_ingress_pkt_size_range4, fnatdslite_fwd_egress_pkt_size_range1, fnatdslite_fwd_egress_pkt_size_range2, fnatdslite_fwd_egress_pkt_size_range3, fnatdslite_fwd_egress_pkt_size_range4, fnatdslite_rev_ingress_pkt_size_range1, fnatdslite_rev_ingress_pkt_size_range2, fnatdslite_rev_ingress_pkt_size_range3, fnatdslite_rev_ingress_pkt_size_range4, fnatdslite_rev_egress_pkt_size_range1, fnatdslite_rev_egress_pkt_size_range2, fnatdslite_rev_egress_pkt_size_range3, fnatdslite_rev_egress_pkt_size_range4, active-subscriber-added, active-subscriber-removed, config-not-found-in-ctx

user-quota

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

histogram

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disabled-config

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable

Specification	
Type	*object*

clear-session

Description Clear all sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside-end-v4address

Description IPv4 Inside User End Address

Type: string

Format: ipv4-address

inside-end-v6address

Description IPv6 Inside User End Address

Type: string

Format: ipv6-address

inside-start-v4address

Description IPv4 Inside User Start Address

Type: string

Format: ipv4-address

inside-start-v6address

Description IPv6 Inside User Start Address

Type: string

Format: ipv6-address

ip-list

Description Name of IP List used to specify Inside Users

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

v4-netmask

Description IPv4 Netmask

Type: string

Format: ipv4-netmask-brief

v6-netmask

Description Inside User IPv6 Netmask

Type: number

Range: 64-128

port-mapping-files

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

per-instance

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.28 cgnv6 fixed-nat alg

Change Fixed NAT ALG Settings

alg Specification

Type	*Intermediate Resource*
Element Name	alg
Element URI	/axapi/v3/cgnv6/fixed-nat/alg
Element Attributes	alg_attributes
Schema	`alg schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg

alg_attributes

alg attributes

esp

Description: esp is a **JSON Block**. Please see below for *esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/fixed-nat/alg/tftp*

ftp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'port-requests': PORT Requests From Client; 'eprt-requests': EPRT Requests From Client; 'lprt-requests': LPRT Requests From Client; 'pasv-replies': PASV Replies From Server; 'epsv-replies': EPSV Replies From Server; 'lpsv-replies': LPSV Replies From Server; 'port-retransmits': Port Mode Request Retransmits; 'pasv-retransmits': Passive Mode Reply Retransmits; 'port-helper-created': Port Mode Helper Created; 'pasv-helper-created': Passive Mode Helper Created; 'port-helper-freed': Port Mode Helper Freed; 'pasv-helper-freed': Passive Mode Helper Freed; 'port-helper-unused': Port Mode Helper Unused; 'pasv-helper-unused': Passive Mode Helper Unused; 'port-helper-creation-failure': Port

Helper Creation Failure; 'pasv-helper-creation-failure': Passive Helper Creation Failure; 'get-conn-ext-failure': Get Conn Extension Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, port-requests, eprt-requests, lprt-requests, pasv-replies, epsv-replies, lpsv-replies, port-retransmits, pasv-retransmits, port-helper-created, pasv-helper-created, port-helper-freed, pasv-helper-freed, port-helper-unused, pasv-helper-unused, port-helper-creation-failure, pasv-helper-creation-failure, get-conn-ext-failure, smp-app-type-mismatch

sip

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'method-register': SIP Method REGISTER; 'method-invite': SIP Method INVITE; 'method-ack': SIP Method ACK; 'method-cancel': SIP Method CANCEL; 'method-bye': SIP Method BYE; 'method-options': SIP Method OPTIONS; 'method-prack': SIP Method PRACK; 'method-subscribe': SIP Method SUBSCRIBE; 'method-notify': SIP Method NOTIFY; 'method-publish': SIP Method PUBLISH; 'method-info': SIP Method INFO; 'method-refer': SIP Method REFER; 'method-message': SIP Method MESSAGE; 'method-update': SIP Method UPDATE; 'method-unknown': SIP Method UNKNOWN; 'parse-error': SIP Message Parse Error; 'req-uri-op-failrue': SIP Operate Request Uri Failure; 'via-hdr-op-failrue': SIP Operate Via Header Failure; 'contact-hdr-op-failrue': SIP Operate Contact Header Failure; 'from-hdr-op-failrue': SIP Operate From Header Failure; 'to-hdr-op-failrue': SIP Operate To Header Failure; 'route-hdr-op-failrue': SIP Operate Route Header Failure; 'record-route-hdr-op-failrue': SIP Operate Record-Route Header Failure; 'content-length-hdr-op-failrue': SIP Operate Content-Length Failure; 'third-party-registration': SIP Third-Party Registration; 'conn-ext-creation-failure': SIP Create Connection Extension Failure; 'alloc-contact-port-failure': SIP Alloc Contact Port Failure; 'outside-contact-port-mismatch': SIP Outside Contact Port Mismatch NAT Port; 'inside-contact-port-

mismatch': SIP Inside Contact Port Mismatch; 'third-party-sdp': SIP Third-Party SDP; 'sdp-process-candidate-failure': SIP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': SIP Operate SDP Failure; 'sdp-alloc-port-map-success': SIP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': SIP Alloc SDP Port Map Failure; 'modify-failure': SIP Message Modify Failure; 'rewrite-failure': SIP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, req-uri-op-failrue, via-hdr-op-failrue, contact-hdr-op-failrue, from-hdr-op-failrue, to-hdr-op-failrue, route-hdr-op-failrue, record-route-hdr-op-failrue, content-length-hdr-op-failrue, third-party-registration, conn-ext-creation-failure, alloc-contact-port-failure, outside-contact-port-mismatch, inside-contact-port-mismatch, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop, smp-conn-alloc-failure, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

esp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, placeholder-debug

pptp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'mismatched-pns-call-id': Mismatched PNS Call ID; 'gre-sessions-created': GRE Sessions Created; 'gre-sessions-freed': GRE Sessions Freed; 'no-gre-session-match': No Matching GRE Session; 'smp-sessions-created': SMP Sessions Created; 'smp-sessions-freed': SMP Sessions Freed; 'smp-session-creation-failure': SMP Session Creation Failures; 'extension-creation-failure': Extension Creation Failures; 'ha-sent': HA Info Sent; 'ha-rcv': HA Info Received; 'ha-no-mem': HA Memory Allocation Failure; 'ha-conflict': HA Call ID Conflicts; 'ha-overwrite': HA Call ID Overwrites; 'ha-call-sent': HA Call Sent; 'ha-call-rcv': HA Call Received; 'ha-smp-conflict': HA SMP Conflicts; 'ha-smp-in-del-q': HA SMP Deleted; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, calls-established, mismatched-pns-call-id, gre-sessions-created, gre-sessions-freed, no-gre-session-match, smp-sessions-created, smp-sessions-freed, smp-session-creation-failure, extension-creation-failure, ha-sent, ha-rcv, ha-no-mem, ha-conflict, ha-overwrite, ha-call-sent, ha-call-rcv, ha-smp-conflict, ha-smp-in-del-q, smp-app-type-mismatch, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-retransmit-wrong-control, call-reply-retransmit-acquired, call-reply-ext-alloc-failure, smp-client-call-id-mismatch, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

rtsp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'streams-created': Streams Created; 'streams-freed': Streams Freed; 'stream-creation-failure': Stream Creation Failures; 'ports-allocated': Stream Client Ports Allocated; 'ports-freed': Stream Client Ports Freed; 'port-allocation-failure': Stream Client Port Allocation Failures; 'unknown-client-port-from-server': Server Replies With Unknown Client Ports; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'no-session-mem': Data Session Creation Failures; 'smp-inserted': SMP Session Inserted; 'smp-removed': SMP Session Removed; 'smp-reused': SMP Session Reused; 'fixed-nat-lid-standby': New Session Fixed NAT LID Standby; 'smp-deleted': New Session SMP Already Deleted; 'control-closed': New Session Closed; 'data-session-exists': New Session Already Exists; 'data-session-creation-failure': New Data Session Creation Failure; 'rtp-reversed': RTP Reverse Creation; 'rtcp-reversed': RTCP Reverse Creation; 'cross-cpu-sent': Cross CPU Sent; 'cross-cpu-rcv': Cross CPU Received; 'cross-cpu-no-session': Cross CPU No Session Found; 'cross-cpu-created': Cross CPU Creation; 'cross-cpu-rcv-failure': Cross CPU Receive Failure; 'data-free-smp-retry-lookup': Data Session Free SMP Retry Lookup; 'data-free-smp-not-found': Data Session Free SMP Not Found; 'ha-streams-sent': HA Streams Sent; 'ha-streams-rcv': HA Streams Received; 'ha-stream-incompatible': HA Incompatible Streams Received; 'ha-stream-exists': HA Stream Already Exists; 'ha-port-allocation-failure': HA Stream Port Allocation Failure; 'ha-data-session-sent': HA Data Session Sent; 'ha-data-session-rcv': HA Data Session Received; 'ha-data-no-smp': HA Data Session SMP Not Found; 'ha-control-closed': HA New Data Control Session Closed; 'ha-data-exists': HA New Data Session Already Exists; 'ha-extension-failure': HA Conn Extension Failure; 'ha-stream-smp-reused': HA SMP Session Reused; 'ha-stream-smp-acquire-failure': HA SMP Session Acquire Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, streams-created, streams-freed, stream-creation-failure, ports-allocated, ports-freed, port-allocation-failure, unknown-client-port-from-server, data-session-

created, data-session-freed, no-session-mem, smp-inserted, smp-removed, smp-reused, fixed-nat-lid-standby, smp-deleted, control-closed, data-session-exists, data-session-creation-failure, rtp-reversed, rtcp-reversed, cross-cpu-sent, cross-cpu-rcv, cross-cpu-no-session, cross-cpu-created, cross-cpu-rcv-failure, data-free-smp-retry-lookup, data-free-smp-not-found, ha-streams-sent, ha-streams-rcv, ha-stream-incompatible, ha-stream-exists, ha-port-allocation-failure, ha-data-session-sent, ha-data-session-rcv, ha-data-no-smp, ha-control-closed, ha-data-exists, ha-extension-failure, ha-stream-smp-reused, ha-stream-smp-acquire-failure, smp-app-type-mismatch

h323

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

h323_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'h225ras-message': H323 H225 RAS Message; 'h225cs-message': H323 H225 Call Signaling Message; 'h245ctl-message': H323 H245 Media Control Message; 'h245-tunneled': H323 H245 Tunnelled Message; 'fast-start': H323 FastStart; 'parse-error': Message Parse Error; 'message-cross-multi-packets': H323 Message Cross Multiple Packets; 'conn-ext-creation-failure': H323 Packet Rewrite Failure; 'rewrite-failure': H323 Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop; 'h245-dynamic-addr-exceed': H323 H245 Dynamic Address Exceed;

Type: string

Supported Values: all, h225ras-message, h225cs-message, h245ctl-message, h245-tunneled, fast-start, parse-error, message-cross-multi-packets, conn-ext-creation-failure, rewrite-failure, tcp-out-of-order-drop, h245-dynamic-addr-exceed

tftp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

mgcp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mgcp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auep': MGCP AUEP; 'aucx': MGCP AUCX; 'crcx': MGCP CRCX; 'dlcx': MGCP DLCX; 'epcf': MGCP EPCF; 'mdcx': MGCP MDCX; 'ntfy': MGCP NTFY; 'rqnt': MGCP RQNT; 'rsip': MGCP RSIP; 'parse-error': MGCP Message Parse Error; 'conn-ext-creation-failure': MGCP Create Connection Extension Failure; 'third-party-sdp': MGCP Third-Party SDP; 'sdp-process-candidate-failure': MGCP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': MGCP Operate SDP Failure; 'sdp-alloc-port-map-success': MGCP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': MGCP Alloc SDP Port Map Failure; 'modify-failure': MGCP Message Modify Failure; 'rewrite-failure': MGCP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, auep, aucx, crcx, dlcx, epcf, mdcx, ntfy, rqnt, rsip, parse-error, conn-ext-creation-failure, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop

2.19.29 cgnv6 fixed-nat alg esp

Change Fixed NAT ESP ALG Settings

esp Specification

Type	*Configuration Resource*
Element Name	esp
Element URI	/axapi/v3/cgnv6/fixed-nat/alg/esp
Element Attributes	esp_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/alg/esp/stats
Schema	`esp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/esp

esp attributes

```
POST /axapi/v3/cgnv6/fixed-nat/alg/esp
Payload:
{
```

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```
    "esp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg/esp

esp attributes

```
GET /axapi/v3/cgnv6/fixed-nat/alg/esp
Reponse:
{
    "esp": {
        "uuid": "5abf8aac-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/alg/esp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/esp

esp attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/alg/esp

esp attributes

```
PUT /axapi/v3/cgnv6/fixed-nat/alg/esp
Payload:
{
    "esp": {
        "sampling-enable": [
            {
                "counters1": "session-created"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/alg/esp

esp attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/alg/esp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

esp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, placeholder-debug

stats data

	Counter	Size	Description
	session-created	8	ESP Sessions Created

2.19.30 cgnv6 fixed-nat alg ftp

Change Fixed NAT FTP ALG Settings

ftp Specification

Type	*Configuration Resource*
Element Name	ftp
Element URI	/axapi/v3/cgnv6/fixed-nat/alg/ftp
Element Attributes	ftp_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/alg/ftp/stats
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/ftp

ftp attributes

```
POST /axapi/v3/cgnv6/fixed-nat/alg/ftp
Payload:
{
    "ftp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg/ftp

ftp attributes

```
GET /axapi/v3/cgnv6/fixed-nat/alg/ftp
Reponse:
{
    "ftp": {
        "uuid": "5abf8b6a-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/alg/ftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/ftp

ftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/alg/ftp

ftp attributes

```
PUT /axapi/v3/cgnv6/fixed-nat/alg/ftp
Payload:
{
    "ftp": {
        "sampling-enable": [
            {
                "counters1": "port-requests"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/alg/ftp

ftp attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/alg/ftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'port-requests': PORT Requests From Client; 'eprt-requests': EPRT Requests From Client; 'lprt-requests': LPRT Requests From Client; 'pasv-replies': PASV Replies From Server; 'epsv-replies': EPSV Replies From Server; 'lpsv-replies': LPSV Replies From Server; 'port-retransmits': Port Mode Request Retransmits; 'pasv-retransmits': Passive Mode Reply Retransmits; 'port-helper-created': Port Mode Helper Created; 'pasv-helper-created': Passive Mode Helper Created; 'port-helper-freed': Port Mode Helper Freed; 'pasv-helper-freed': Passive Mode Helper Freed; 'port-helper-unused': Port Mode Helper Unused; 'pasv-helper-unused': Passive Mode Helper Unused; 'port-helper-creation-failure': Port Helper Creation Failure; 'pasv-helper-creation-failure': Passive Helper Creation Failure; 'get-conn-ext-failure': Get Conn Extension Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, port-requests, eprt-requests, lprt-requests, pasv-replies, epsv-replies, lpsv-replies, port-retransmits, pasv-retransmits, port-helper-created, pasv-helper-created, port-helper-freed, pasv-helper-freed, port-helper-unused, pasv-helper-unused, port-helper-creation-failure, pasv-helper-creation-failure, get-conn-ext-failure, smp-app-type-mismatch

stats data

	Counter	Size	Description
	lpsv-replies	8	LPSV Replies From Server
	port-requests	8	PORT Requests From Client
	epsv-replies	8	EPSV Replies From Server
	pasv-replies	8	PASV Replies From Server
	lprt-requests	8	LPRT Requests From Client
	eprt-requests	8	EPRT Requests From Client

2.19.31 cgnv6 fixed-nat alg h323

Change Fixed NAT H323 ALG Settings

h323 Specification

Type	*Configuration Resource*
Element Name	h323
Element URI	/axapi/v3/cgnv6/fixed-nat/alg/h323
Element Attributes	h323_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/alg/h323/stats
Schema	`h323 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/h323

h323 attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg/h323

h323 attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/h323

h323 attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/alg/h323

h323 attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/alg/h323

h323 attributes

h323 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'h225ras-message': H323 H225 RAS Message; 'h225cs-message': H323 H225 Call Signaling Message; 'h245ctl-message': H323 H245 Media Control Message; 'h245-tunneled': H323 H245 Tunnelled Message; 'fast-start': H323 FastStart; 'parse-error': Message Parse Error; 'message-cross-multi-packets': H323 Message Cross Multiple Packets; 'conn-ext-creation-failure': H323 Packet Rewrite Failure; 'rewrite-failure': H323 Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop; 'h245-dynamic-addr-exceed': H323 H245 Dynamic Address Exceed;

Type: string

Supported Values: all, h225ras-message, h225cs-message, h245ctl-message, h245-tunneled, fast-start, parse-error, message-cross-multi-packets, conn-ext-creation-failure, rewrite-failure, tcp-out-of-order-drop, h245-dynamic-addr-exceed

stats data

	Counter	Size	Description
	h225ras-message	8	H323 H225 RAS Message
	h245-tunneled	8	H323 H245 Tunnelled Message
	h245ctl-message	8	H323 H245 Media Control Message
	fast-start	8	H323 FastStart
	h225cs-message	8	H323 H225 Call Signaling Message

2.19.32 cgnv6 fixed-nat alg mgcp

Change fixed-nat MGCP ALG Settings

mgcp Specification

Type	*Configuration Resource*
Element Name	mgcp
Element URI	/axapi/v3/cgnv6/fixed-nat/alg/mgcp
Element Attributes	mgcp_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/alg/mgcp/stats
Schema	`mgcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/mgcp

mgcp attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg/mgcp

mgcp attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/mgcp

mgcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/alg/mgcp

mgcp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/alg/mgcp

mgcp attributes

mgcp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auep': MGCP AUEP; 'aucx': MGCP AUCX; 'crcx': MGCP CRCX; 'dlcx': MGCP DLCX; 'epcf': MGCP EPCF; 'mdcx': MGCP MDCX; 'ntfy': MGCP NTFY; 'rqnt': MGCP RQNT; 'rsip': MGCP RSIP; 'parse-error': MGCP Message Parse Error; 'conn-ext-creation-failure': MGCP Create Connection Extension Failure; 'third-party-sdp': MGCP Third-Party SDP; 'sdp-process-candidate-failure': MGCP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': MGCP Operate SDP Failure; 'sdp-alloc-port-map-success': MGCP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': MGCP Alloc SDP Port Map Failure; 'modify-failure': MGCP Message Modify Failure; 'rewrite-failure': MGCP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, auep, aucx, crcx, dlcx, epcf, mdcx, ntfy, rqnt, rsip, parse-error, conn-ext-creation-failure, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop

stats data

	Counter	Size	Description
	auep	8	MGCP AUEP
	mdcx	8	MGCP MDCX
	rsip	8	MGCP RSIP
	rqnt	8	MGCP RQNT
	ntfy	8	MGCP NTFY
	crcx	8	MGCP CRCX
	dlcx	8	MGCP DLCX
	epcf	8	MGCP EPCF
	aucx	8	MGCP AUCX

2.19.33 cgnv6 fixed-nat alg pptp

Change Fixed NAT PPTP ALG Settings

pptp Specification

Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/cgnv6/fixed-nat/alg/pptp
Element Attributes	pptp_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/alg/pptp/stats
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/pptp

pptp attributes

```
POST /axapi/v3/cgnv6/fixed-nat/alg/pptp
Payload:
{
    "pptp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg/pptp

pptp attributes

```
GET /axapi/v3/cgnv6/fixed-nat/alg/pptp
Reponse:
{
    "pptp": {
        "uuid": "5abf8c28-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/alg/pptp"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/pptp

pptp attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/alg/pptp

pptp attributes

```
PUT /axapi/v3/cgnv6/fixed-nat/alg/pptp
Payload:
{
    "pptp": {
        "sampling-enable": [
            {
                "counters1": "calls-established"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/alg/pptp

pptp attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/alg/pptp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pptp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'mismatched-pns-call-id': Mismatched PNS Call ID; 'gre-sessions-created': GRE Sessions Created; 'gre-sessions-freed': GRE Sessions Freed; 'no-gre-session-match': No Matching GRE Session; 'smp-sessions-created': SMP Sessions Created; 'smp-sessions-freed': SMP Sessions Freed; 'smp-session-creation-failure': SMP Session Creation Failures; 'extension-creation-failure': Extension Creation Failures; 'ha-sent': HA Info Sent; 'ha-rcv': HA Info Received; 'ha-no-mem': HA Memory Allocation Failure; 'ha-conflict': HA Call ID Conflicts; 'ha-overwrite': HA Call ID Overwrites; 'ha-call-sent': HA Call Sent; 'ha-call-rcv': HA Call Received; 'ha-smp-conflict': HA SMP Conflicts; 'ha-smp-in-del-q': HA SMP Deleted; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, calls-established, mismatched-pns-call-id, gre-sessions-created, gre-sessions-freed, no-gre-session-match, smp-sessions-created, smp-sessions-freed, smp-session-creation-failure, extension-creation-failure, ha-sent, ha-rcv, ha-no-mem, ha-conflict, ha-overwrite, ha-call-sent, ha-call-rcv, ha-smp-conflict, ha-smp-in-del-q, smp-app-type-mismatch, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-retransmit-wrong-control, call-reply-retransmit-acquired, call-reply-ext-alloc-failure, smp-client-call-id-mismatch, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

stats data

	Counter	Size	Description
	gre-sessions-created	8	GRE Sessions Created
	mismatched-pns-call-id	8	Mismatched PNS Call ID
	call-reply-pns-call-id-mismatch	8	Call ID Mismatch on Call Reply
	calls-established	8	Calls Established
	no-gre-session-match	8	No Matching GRE Session
	call-req-pns-call-id-mismatch	8	Call ID Mismatch on Call Request
	gre-sessions-freed	8	GRE Sessions Freed

2.19.34 cgnv6 fixed-nat alg rtsp

Change Fixed NAT RTSP ALG Settings

rtsp Specification

Type	*Configuration Resource*
Element Name	rtsp
Element URI	/axapi/v3/cgnv6/fixed-nat/alg/rtsp
Element Attributes	rtsp_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/alg/rtsp/stats
Schema	`rtsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/rtsp

rtsp attributes

```
POST /axapi/v3/cgnv6/fixed-nat/alg/rtsp
Payload:
{
    "rtsp": {
        "sampling-enable": [
```

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```
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg/rtsp

rtsp attributes

```
GET /axapi/v3/cgnv6/fixed-nat/alg/rtsp
Reponse:
{
    "rtsp": {
        "uuid": "5abf8cdc-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/alg/rtsp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/rtsp

rtsp attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/alg/rtsp

rtsp attributes

```
PUT /axapi/v3/cgnv6/fixed-nat/alg/rtsp
Payload:
{
    "rtsp": {
        "sampling-enable": [
            {
                "counters1": "streams-created"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/alg/rtsp

rtsp attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/alg/rtsp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rtsp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'streams-created': Streams Created; 'streams-freed': Streams Freed; 'stream-creation-failure': Stream Creation Failures; 'ports-allocated': Stream Client Ports Allocated; 'ports-freed': Stream Client Ports Freed; 'port-allocation-failure': Stream Client Port Allocation Failures; 'unknown-client-port-from-server': Server Replies With Unknown Client Ports; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'no-session-mem': Data Session Creation Failures; 'smp-inserted': SMP Session Inserted; 'smp-removed': SMP Session Removed; 'smp-reused': SMP Session Reused; 'fixed-nat-lid-standby': New Session Fixed NAT LID Standby; 'smp-deleted': New Session SMP Already Deleted; 'control-closed': New Session Closed; 'data-session-exists': New Session Already Exists; 'data-session-creation-failure': New Data Session Creation Failure; 'rtp-reversed': RTP Reverse Creation; 'rtcp-reversed': RTCP Reverse Creation; 'cross-cpu-sent': Cross CPU Sent; 'cross-cpu-rcv': Cross CPU Received; 'cross-cpu-no-session': Cross CPU No Session Found; 'cross-cpu-created': Cross CPU Creation; 'cross-cpu-rcv-failure': Cross CPU Receive Failure; 'data-free-smp-retry-lookup': Data Session Free SMP Retry Lookup; 'data-free-smp-not-found': Data Session Free SMP Not Found; 'ha-streams-sent': HA Streams Sent; 'ha-streams-rcv': HA Streams Received; 'ha-stream-incompatible': HA Incompatible Streams Received; 'ha-stream-exists': HA Stream Already Exists; 'ha-port-allocation-failure':

HA Stream Port Allocation Failure; 'ha-data-session-sent': HA Data Session Sent; 'ha-data-session-rcv': HA Data Session Received; 'ha-data-no-smp': HA Data Session SMP Not Found; 'ha-control-closed': HA New Data Control Session Closed; 'ha-data-exists': HA New Data Session Already Exists; 'ha-extension-failure': HA Conn Extension Failure; 'ha-stream-smp-reused': HA SMP Session Reused; 'ha-stream-smp-acquire-failure': HA SMP Session Acquire Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, streams-created, streams-freed, stream-creation-failure, ports-allocated, ports-freed, port-allocation-failure, unknown-client-port-from-server, data-session-created, data-session-freed, no-session-mem, smp-inserted, smp-removed, smp-reused, fixed-nat-lid-standby, smp-deleted, control-closed, data-session-exists, data-session-creation-failure, rtp-reversed, rtcp-reversed, cross-cpu-sent, cross-cpu-rcv, cross-cpu-no-session, cross-cpu-created, cross-cpu-rcv-failure, data-free-smp-retry-lookup, data-free-smp-not-found, ha-streams-sent, ha-streams-rcv, ha-stream-incompatible, ha-stream-exists, ha-port-allocation-failure, ha-data-session-sent, ha-data-session-rcv, ha-data-no-smp, ha-control-closed, ha-data-exists, ha-extension-failure, ha-stream-smp-reused, ha-stream-smp-acquire-failure, smp-app-type-mismatch

stats data

	Counter	Size	Description
	stream-creation-failure	8	Stream Creation Failures
	streams-created	8	Streams Created
	no-session-mem	8	Data Session Creation Failures
	ports-allocated	8	Stream Client Ports Allocated
	port-allocation-failure	8	Stream Client Port Allocation Failures
	streams-freed	8	Streams Freed
	unknown-client-port-from-server	8	Server Replies With Unknown Client Ports
	ports-freed	8	Stream Client Ports Freed
	data-session-freed	8	Data Session Freed
	data-session-created	8	Data Session Created

2.19.35 cgnv6 fixed-nat alg sip

Change Fixed NAT SIP ALG Settings

sip Specification

Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/cgnv6/fixed-nat/alg/sip
Element Attributes	sip_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/alg/sip/stats
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/sip

sip attributes

```
POST /axapi/v3/cgnv6/fixed-nat/alg/sip
Payload:
{
    "sip": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg/sip

sip attributes

```
GET /axapi/v3/cgnv6/fixed-nat/alg/sip
Reponse:
{
    "sip": {
        "uuid": "5abf8d9a-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/alg/sip"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/sip

sip attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/alg/sip

sip attributes

```
PUT /axapi/v3/cgnv6/fixed-nat/alg/sip
Payload:
{
    "sip": {
        "sampling-enable": [
            {
                "counters1": "method-register"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/alg/sip

sip attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/alg/sip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'method-register': SIP Method REGISTER; 'method-invite': SIP Method INVITE; 'method-ack': SIP Method ACK; 'method-cancel': SIP Method CANCEL; 'method-bye': SIP Method BYE; 'method-options': SIP Method OPTIONS; 'method-prack': SIP Method PRACK; 'method-subscribe': SIP Method SUBSCRIBE; 'method-notify': SIP Method NOTIFY; 'method-publish': SIP Method PUBLISH; 'method-info': SIP Method INFO; 'method-refer': SIP Method REFER; 'method-message': SIP Method MESSAGE; 'method-update': SIP Method UPDATE; 'method-unknown': SIP Method UNKNOWN; 'parse-error': SIP Message Parse Error; 'req-uri-op-failrue': SIP Operate Request Uri Failure; 'via-hdr-op-failrue': SIP Operate Via Header Failure; 'contact-hdr-op-failrue': SIP Operate Contact Header Failure; 'from-hdr-op-failrue': SIP Operate From Header Failure; 'to-hdr-op-failrue': SIP Operate To Header Failure; 'route-hdr-op-failrue': SIP Operate Route Header Failure; 'record-route-hdr-op-failrue': SIP Operate Record-Route Header Failure; 'content-length-hdr-op-failrue': SIP Operate Content-Length Failure; 'third-party-registration': SIP Third-Party Registration; 'conn-ext-creation-failure': SIP Create Connection Extension Failure; 'alloc-contact-port-failure': SIP Alloc Contact Port Failure; 'outside-contact-port-mismatch': SIP Outside Contact Port Mismatch NAT Port; 'inside-contact-port-mismatch': SIP Inside Contact Port Mismatch; 'third-party-sdp': SIP Third-Party SDP; 'sdp-process-candidate-failure': SIP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': SIP Operate SDP Failure; 'sdp-alloc-port-map-success': SIP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': SIP Alloc SDP Port Map Failure; 'modify-failure': SIP Message Modify Failure; 'rewrite-failure': SIP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, req-uri-op-failrue, via-hdr-op-failrue, contact-hdr-op-failrue, from-hdr-op-failrue, to-hdr-op-failrue, route-hdr-op-failrue, record-route-hdr-op-failrue, content-length-hdr-op-failrue, third-party-registration, conn-ext-creation-failure, alloc-contact-port-failure, outside-contact-port-mismatch, inside-contact-port-mismatch, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop, smp-conn-alloc-failure, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

stats data

	Counter	Size	Description
	method-options	8	SIP Method OPTIONS
	method-invite	8	SIP Method INVITE
	method-publish	8	SIP Method PUBLISH
	method-unknown	8	SIP Method UNKNOWN
	method-update	8	SIP Method UPDATE
	method-subscribe	8	SIP Method SUBSCRIBE
	method-register	8	SIP Method REGISTER
	method-prack	8	SIP Method PRACK
	method-notify	8	SIP Method NOTIFY
	method-info	8	SIP Method INFO
	method-ack	8	SIP Method ACK
	method-refer	8	SIP Method REFER
	method-message	8	SIP Method MESSAGE
	method-bye	8	SIP Method BYE
	method-cancel	8	SIP Method CANCEL

2.19.36 cgnv6 fixed-nat alg tftp

Change Fixed NAT TFTP ALG Settings

tftp Specification

Type	*Configuration Resource*
Element Name	tftp
Element URI	/axapi/v3/cgnv6/fixed-nat/alg/tftp
Element Attributes	tftp_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/alg/tftp/stats
Schema	`tftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/tftp

tftp attributes

```
POST /axapi/v3/cgnv6/fixed-nat/alg/tftp
Payload:
{
    "tftp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/alg/tftp

tftp attributes

```
GET /axapi/v3/cgnv6/fixed-nat/alg/tftp
Reponse:
{
    "tftp": {
        "uuid": "5abf8f16-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/alg/tftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/alg/tftp

tftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/alg/tftp

tftp attributes

```
PUT /axapi/v3/cgnv6/fixed-nat/alg/tftp
Payload:
{
    "tftp": {
        "sampling-enable": [
```

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```
            {
                "counters1": "session-created"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/alg/tftp

tftp attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/alg/tftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tftp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

stats data

	Counter	Size	Description
	session-created	8	TFTP Client Sessions Created

2.19.37 cgnv6 fixed-nat disabled-config

Fixed NAT Disabled Configuration

disabled-config Specification

Type	*Configuration Resource*
Element Name	disabled-config
Element URI	/axapi/v3/cgnv6/fixed-nat/disabled-config
Element Attributes	disabled-config_attributes
Operational Data URI	/axapi/v3/cgnv6/fixed-nat/disabled-config/oper
Schema	`disabled-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/disabled-config

disabled-config attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/disabled-config

disabled-config attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/disabled-config

disabled-config attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/disabled-config

disabled-config attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/disabled-config

disabled-config attributes

disabled-config attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	disabled-config-list		disabled-config-list

2.19.38 cgnv6 fixed-nat full-cone-session

Full Cone Sessions for Fixed NAT

full-cone-session Specification

Type	*Configuration Resource*
Element Name	full-cone-session
Element URI	/axapi/v3/cgnv6/fixed-nat/full-cone-session
Element Attributes	full-cone-session_attributes
Operational Data URI	/axapi/v3/cgnv6/fixed-nat/full-cone-session/oper
Schema	`full-cone-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/full-cone-session

full-cone-session attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/full-cone-session

full-cone-session attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/full-cone-session

full-cone-session attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/full-cone-session

full-cone-session attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/full-cone-session

full-cone-session attributes

full-cone-session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-partition	flag	shared-partition
	inside-addr-end	ipv4-address	inside-addr-end
	debug-session	flag	debug-session
	inside-addr-v6	ipv6-address	inside-addr-v6
	dslite-total-session-count	number	dslite-total-session-count
	nat-port	number	nat-port
	graceful	flag	graceful
	inside-addr-start	ipv4-address	inside-addr-start
	all-partitions	flag	all-partitions
	nat44-total-session-count	number	nat44-total-session-count
	pcp	flag	pcp
	nat-addr-start	ipv4-address	nat-addr-start
	session-list		session-list
	nat64-total-session-count	number	nat64-total-session-count
	inside-addr	ipv4-address	inside-addr
	session-count	number	session-count
	session-type	enum	Output contains one of the following values: - nat44, nat64, ds-lite
	nat-addr	ipv4-address	nat-addr
	inside-addr-v6-end	ipv6-address	inside-addr-v6-end
	partition-name	string	partition-name
	inside-addr-v6-start	ipv6-address	inside-addr-v6-start
	nat-addr-end	ipv4-address	nat-addr-end
	inside-port	number	inside-port

2.19.39 cgnv6 fixed-nat global

Fixed NAT Global configuration and Stats

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/fixed-nat/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/global

global attributes

```
POST /axapi/v3/cgnv6/fixed-nat/global
Payload:
{
    "global": {
        "create-port-mapping-file": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/global

global attributes

```
GET /axapi/v3/cgnv6/fixed-nat/global
Reponse:
{
    "global": {
        "create-port-mapping-file": 1,
        "port-mapping-files-count": 5,
        "uuid": "5abf891c-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/global

global attributes

```
PUT /axapi/v3/cgnv6/fixed-nat/global
Payload:
{
    "global": {
        "create-port-mapping-file": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/global

global attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

create-port-mapping-file

Description Create Port Mapping File

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-mapping-files-count

Description Number of old fixed_nat files to store

Type: number

Range: 1-10

Default: 5

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-nat-in-use': Total NAT Addresses in-use; 'total-tcp-allocated': Total TCP Ports Allocated; 'total-tcp-freed': Total TCP Ports Freed; 'total-udp-allocated': Total UDP Ports Allocated; 'total-udp-freed': Total UDP Ports Freed; 'total-icmp-allocated': Total ICMP Ports Allocated; 'total-icmp-freed': Total ICMP Ports Freed; 'nat44-data-session-created': NAT44 Data Sessions Created; 'nat44-data-session-freed': NAT44 Data Sessions Freed; 'nat64-data-session-created': NAT64 Data Sessions Created; 'nat64-data-session-freed': NAT64 Data Sessions Freed; 'dslite-data-session-created': DS-Lite Data Sessions Created; 'dslite-data-session-freed': DS-Lite Data Sessions Freed; 'nat-port-unavailable-tcp': TCP NAT Port Unavailable; 'nat-port-unavailable-udp': UDP NAT Port Unavailable; 'nat-port-unavailable-icmp': ICMP NAT Port Unavailable; 'session-user-quota-exceeded': Sessions User Quota Exceeded; 'nat44-tcp-fullcone-created': NAT44 TCP Full-Cone Created; 'nat44-tcp-fullcone-freed': NAT44 TCP Full-Cone Freed; 'nat44-udp-fullcone-created': NAT44 UDP Full-Cone Created; 'nat44-udp-fullcone-freed': NAT44 UDP Full-Cone Freed; 'nat44-udp-alg-fullcone-created': NAT44 UDP ALG Full-Cone Created; 'nat44-udp-alg-fullcone-freed': NAT44 UDP ALG Full-Cone Freed; 'nat64-tcp-fullcone-created': NAT64 TCP Full-Cone Created; 'nat64-tcp-fullcone-freed': NAT64 TCP Full-Cone Freed; 'nat64-udp-fullcone-created': NAT64 UDP Full-Cone Created; 'nat64-udp-fullcone-freed': NAT64 UDP Full-Cone Freed; 'nat64-udp-alg-fullcone-created': NAT64 UDP ALG Full-Cone Created; 'nat64-udp-alg-fullcone-freed': NAT64 UDP ALG Full-Cone Freed; 'dslite-tcp-fullcone-created': DS-Lite TCP Full-Cone Created; 'dslite-tcp-fullcone-freed': DS-Lite TCP Full-Cone Freed; 'dslite-udp-fullcone-created': DS-Lite UDP Full-Cone Created; 'dslite-udp-fullcone-freed': DS-Lite UDP Full-Cone Freed; 'dslite-udp-alg-fullcone-created': DS-Lite UDP ALG Full-Cone Created; 'dslite-udp-alg-fullcone-freed': DS-Lite UDP ALG Full-Cone Freed; 'fullcone-failure': Full-Cone Session Creation Failed; 'nat44-eim-match': NAT44 Endpoint-Independent-Mapping Matched; 'nat64-eim-match': NAT64 Endpoint-Independent-Mapping Matched; 'dslite-eim-match': DS-Lite Endpoint-Independent-Mapping Matched; 'nat44-eif-match': NAT44 Endpoint-Independent-Filtering Matched; 'nat64-eif-match': NAT64 Endpoint-Independent-Filtering Matched; 'dslite-eif-match': DS-Lite Endpoint-Independent-Filtering Matched; 'nat44-inbound-filtered': NAT44 Endpoint-Dependent Filtering Drop; 'nat64-inbound-filtered': NAT64 Endpoint-Dependent Filtering Drop; 'dslite-inbound-filtered': DS-Lite Endpoint-Dependent Filtering Drop; 'nat44-eif-limit-exceeded': NAT44 Endpoint-Independent-Filtering Limit Exceeded; 'nat64-eif-limit-exceeded': NAT64 Endpoint-Independent-Filtering Limit Exceeded; 'dslite-eif-limit-exceeded': DS-Lite Endpoint-Independent-Filtering Limit Exceeded; 'nat44-hairpin': NAT44 Hairpin Session Created; 'nat64-hairpin': NAT64 Hairpin Session Created; 'dslite-hairpin': DS-Lite Hairpin Session Created; 'standby-drop': Fixed NAT LID Standby Drop; 'fixed-nat-fullcone-self-hairpinning-drop': Self-Hairpinning Drop; '6rd-drop': Fixed NAT IPv6 in IPv4 Packet Drop; 'dest-rlist-drop': Fixed NAT Dest Rule List Drop; 'dest-rlist-pass-through':

Fixed NAT Dest Rule List Pass-Through; 'dest-rlist-snat-drop': Fixed NAT Dest Rules List Source NAT Drop; 'cross-cpu-helper-created': Cross CPU Helper Session Created; 'cross-cpu-helper-free-retry-lookup': Cross CPU Helper Session Free Retry Lookup; 'cross-cpu-helper-free-not-found': Cross CPU Helper Session Free not Found; 'cross-cpu-helper-free': Cross CPU Helper Session Freed; 'cross-cpu-rcv': Cross CPU Helper Packets Received; 'cross-cpu-bad-l3': Cross CPU Unsupported L3; 'cross-cpu-bad-l4': Cross CPU Unsupported L4; 'cross-cpu-no-session': Cross CPU no Session Found; 'cross-cpu-helper-deleted': Cross CPU Helper Session Deleted; 'cross-cpu-helper-fixed-nat-lid-standby': Cross CPU Helper Fixed NAT LID Standby; 'cross-cpu-helper-cpu-mismatch': Cross CPU Helper CPU Mismatch; 'cross-cpu-sent': Cross CPU Helper Packets Sent; 'lid-not-enabled': Fixed NAT LID not Enabled; 'fullcone-in-del-q': Full-Cone Session in Delete Queue; 'fullcone-overflow': Fell-Cone Session Conn-Count Overflow; 'fullcone-inbound-idx-mismatch': Full-Cone Session Fixed NAT LID mismatch; 'fullcone-retry-lookup': Full-cone session retry look-up; 'fullcone-not-found': Full-cone session not found; 'fullcone-overflow-eim': Full-cone EIM Overflow; 'fullcone-overflow-eif': Full-cone EIF Overflow; 'ha-config-mismatch': HA Fixed NAT Config Mismatch; 'ha-user-quota-exceeded': HA User Quota Exceeded; 'ha-fullcone-mismatch': HA Full-Cone Mismatch; 'ha-dnat-mismatch': HA Destination NAT Config Mismatch; 'ha-nat-port-unavailable': HA NAT Port Unavailable; 'ha-fullcone-failure': HA Full-Cone Failure; 'ha-endpoint-indep-map-match': HA Endpoint-Independent-Mapping Match; 'udp-alg-eim-mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp-alg-no-nat-ip': UDP ALG User-Quota Unknown NAT IP; 'udp-alg-alloc-failure': UDP ALG Port Allocation Failure; 'mtu-exceeded': Packet Exceeded MTU; 'frag': Fragmented Packets; 'frag-icmp': ICMP Packet Too Big Sent; 'periodic-log-msg-alloc': Fixed NAT Periodic Log Msg Allocated; 'periodic-log-msg-free': Fixed NAT Periodic Log Msg Freed; 'disable-log-msg-alloc': Fixed NAT Disable Log Msg Allocated; 'disable-log-msg-free': Fixed NAT Disable Log Msg Freed; 'sip-alg-reuse-contact-fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip-alg-contact-fullcone-mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip-alg-create-contact-fullcone-failure': SIP ALG Create Contact Full-cone Session Failure; 'sip-alg-single-rtp-fullcone': SIP ALG Single RTP Full-cone Found; 'sip-alg-rtcp-fullcone-mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip-alg-reuse-rtp-rtcp-fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip-alg-single-rtcp-fullcone': SIP ALG Single RTCP Full-cone Found; 'sip-alg-create-rtp-fullcone-failure': SIP ALG Create RTP Full-cone Session Failure; 'sip-alg-create-rtcp-fullcone-failure': SIP ALG Create RTCP Full-cone Session Failure; 'icmp-out-of-state-uqe-admin-filtered-sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp-out-of-state-uqe-host-unreachable-sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp-out-of-state-uqe-dropped': Total User Queue Exceeded ICMP notification dropped; 'nat-esp-ip-conflicts': Fixed NAT ESP IP Conflicts; 'total-tcp-allocated-shadow': Total TCP Ports Allocated; 'total-tcp-freed-shadow': Total TCP Ports Freed; 'total-udp-allocated-shadow': Total UDP Ports Allocated; 'total-udp-freed-shadow': Total UDP Ports Freed; 'total-icmp-allocated-shadow': Total ICMP Ports Allocated; 'total-icmp-freed-shadow': Total ICMP Ports Freed; 'nat44-data-session-created-shadow': NAT44 Data Sessions Created; 'nat44-data-session-freed-shadow': NAT44 Data Sessions Freed; 'nat64-data-session-created-shadow': NAT64 Data Sessions Created; 'nat64-data-session-freed-shadow': NAT64 Data Sessions Freed; 'dslite-data-session-created-shadow': DS-Lite Data Sessions Created; 'dslite-data-session-freed-shadow': DS-Lite Data Sessions Freed; 'nat44-tcp-fullcone-created-shadow': NAT44 TCP Full-Cone Created; 'nat44-tcp-fullcone-freed-shadow': NAT44 TCP Full-Cone Freed; 'nat44-udp-fullcone-created-shadow': NAT44 UDP Full-Cone Created; 'nat44-udp-fullcone-freed-shadow': NAT44 UDP Full-Cone Freed; 'nat44-udp-alg-fullcone-created-shadow': NAT44 UDP ALG Full-Cone Created;

Type: string

Supported Values: all, total-nat-in-use, total-tcp-allocated, total-tcp-freed, total-udp-allocated, total-udp-freed, total-icmp-allocated, total-icmp-freed, nat44-data-session-created, nat44-data-session-freed, nat64-data-session-created, nat64-data-session-freed, dslite-data-

session-created, dslite-data-session-freed, nat-port-unavailable-tcp, nat-port-unavailable-udp, nat-port-unavailable-icmp, session-user-quota-exceeded, nat44-tcp-fullcone-created, nat44-tcp-fullcone-freed, nat44-udp-fullcone-created, nat44-udp-fullcone-freed, nat44-udp-alg-fullcone-created, nat44-udp-alg-fullcone-freed, nat64-tcp-fullcone-created, nat64-tcp-fullcone-freed, nat64-udp-fullcone-created, nat64-udp-fullcone-freed, nat64-udp-alg-fullcone-created, nat64-udp-alg-fullcone-freed, dslite-tcp-fullcone-created, dslite-tcp-fullcone-freed, dslite-udp-fullcone-created, dslite-udp-fullcone-freed, dslite-udp-alg-fullcone-created, dslite-udp-alg-fullcone-freed, fullcone-failure, nat44-eim-match, nat64-eim-match, dslite-eim-match, nat44-eif-match, nat64-eif-match, dslite-eif-match, nat44-inbound-filtered, nat64-inbound-filtered, dslite-inbound-filtered, nat44-eif-limit-exceeded, nat64-eif-limit-exceeded, dslite-eif-limit-exceeded, nat44-hairpin, nat64-hairpin, dslite-hairpin, standby-drop, fixed-nat-fullcone-self-hairpinning-drop, sixrd-drop, dest-rlist-drop, dest-rlist-pass-through, dest-rlist-snat-drop, cross-cpu-helper-created, cross-cpu-helper-free-retry-lookup, cross-cpu-helper-free-not-found, cross-cpu-helper-free, cross-cpu-rcv, cross-cpu-bad-l3, cross-cpu-bad-l4, cross-cpu-no-session, cross-cpu-helper-deleted, cross-cpu-helper-fixed-nat-lid-standby, cross-cpu-helper-cpu-mismatch, cross-cpu-sent, config-not-found, fullcone-in-del-q, fullcone-overflow, fullcone-inbound-idx-mismatch, fullcone-retry-lookup, fullcone-not-found, fullcone-overflow-eim, fullcone-overflow-eif, ha-config-mismatch, ha-user-quota-exceeded, ha-fullcone-mismatch, ha-dnat-mismatch, ha-nat-port-unavailable, ha-fullcone-failure, ha-endpoint-indep-map-match, udp-alg-eim-mismatch, udp-alg-no-nat-ip, udp-alg-alloc-failure, mtu-exceeded, frag, frag-icmp, periodic-log-msg-alloc, periodic-log-msg-free, disable-log-msg-alloc, disable-log-msg-free, sip-alg-reuse-contact-fullcone, sip-alg-contact-fullcone-mismatch, sip-alg-create-contact-fullcone-failure, sip-alg-single-rtp-fullcone, sip-alg-rtcp-fullcone-mismatch, sip-alg-reuse-rtp-rtcp-fullcone, sip-alg-single-rtcp-fullcone, sip-alg-create-rtp-fullcone-failure, sip-alg-create-rtcp-fullcone-failure, icmp-out-of-state-uqe-admin-filtered-sent, icmp-out-of-state-uqe-host-unreachable-sent, icmp-out-of-state-uqe-dropped, nat-esp-ip-conflicts, total-tcp-allocated-shadow, total-tcp-freed-shadow, total-udp-allocated-shadow, total-udp-freed-shadow, total-icmp-allocated-shadow, total-icmp-freed-shadow, nat44-data-session-created-shadow, nat44-data-session-freed-shadow, nat64-data-session-created-shadow, nat64-data-session-freed-shadow, dslite-data-session-created-shadow, dslite-data-session-freed-shadow, nat44-tcp-fullcone-created-shadow, nat44-tcp-fullcone-freed-shadow, nat44-udp-fullcone-created-shadow, nat44-udp-fullcone-freed-shadow, nat44-udp-alg-fullcone-created-shadow

counters2

Description 'nat44-udp-alg-fullcone-freed-shadow': NAT44 UDP ALG Full-Cone Freed; 'nat64-tcp-fullcone-created-shadow': NAT64 TCP Full-Cone Created; 'nat64-tcp-fullcone-freed-shadow': NAT64 TCP Full-Cone Freed; 'nat64-udp-fullcone-created-shadow': NAT64 UDP Full-Cone Created; 'nat64-udp-fullcone-freed-shadow': NAT64 UDP Full-Cone Freed; 'nat64-udp-alg-fullcone-created-shadow': NAT64 UDP ALG Full-Cone Created; 'nat64-udp-alg-fullcone-freed-shadow': NAT64 UDP ALG Full-Cone Freed; 'dslite-tcp-fullcone-created-shadow': DS-Lite TCP Full-Cone Created; 'dslite-tcp-fullcone-freed-shadow': DS-Lite TCP Full-Cone Freed; 'dslite-udp-fullcone-created-shadow': DS-Lite UDP Full-Cone Created; 'dslite-udp-fullcone-freed-shadow': DS-Lite UDP Full-Cone Freed; 'dslite-udp-alg-fullcone-created-shadow': DS-Lite UDP ALG Full-Cone Created; 'dslite-udp-alg-fullcone-freed-shadow': DS-Lite UDP ALG Full-Cone Freed;

Type: string

Supported Values: nat44-udp-alg-fullcone-freed-shadow, nat64-tcp-fullcone-created-shadow, nat64-tcp-fullcone-freed-shadow, nat64-udp-fullcone-created-shadow, nat64-udp-fullcone-freed-shadow, nat64-udp-alg-fullcone-created-shadow, nat64-udp-alg-fullcone-freed-shadow, dslite-tcp-fullcone-created-shadow, dslite-tcp-fullcone-freed-shadow, dslite-udp-fullcone-created-shadow, dslite-udp-fullcone-freed-shadow, dslite-udp-alg-fullcone-created-shadow, dslite-udp-alg-fullcone-freed-shadow, h323-alg-reuse-fullcone, h323-alg-fullcone-

mismatch, h323-alg-create-fullcone-failure, h323-alg-single-rtp-fullcone, h323-alg-rtcp-fullcone-mismatch, h323-alg-reuse-rtp-rtcp-fullcone, h323-alg-single-rtcp-fullcone, h323-alg-create-rtp-fullcone-failure, h323-alg-create-rtcp-fullcone-failure, mgcp-alg-reuse-fullcone, mgcp-alg-fullcone-mismatch, mgcp-alg-create-fullcone-failure, mgcp-alg-single-rtp-fullcone, mgcp-alg-rtcp-fullcone-mismatch, mgcp-alg-reuse-rtp-rtcp-fullcone, mgcp-alg-single-rtcp-fullcone, mgcp-alg-create-rtp-fullcone-failure, mgcp-alg-create-rtcp-fullcone-failure, user-unusable-drop, ipv4-user-unusable, ipv6-user-unusable, ipd-disabled, dslite_tunnel_frag, total-tcp-overload-acquired, total-udp-overload-acquired, total-tcp-overload-released, total-udp-overload-released, total-tcp-alloc-overload, total-udp-alloc-overload, total-tcp-free-overload, total-udp-free-overload, port-overload-smp-delete-scheduled, port-overload-smp-mem-allocated, port-overload-out-of-memory, port-overload-smp-free, port-overload-smp-free-no-lid, port-overload-free-smp-not-found, port-overload-failed, total-tcp-overload-acquired-shadow, total-udp-overload-acquired-shadow, total-tcp-overload-released-shadow, total-udp-overload-released-shadow, total-tcp-alloc-overload-shadow, total-udp-alloc-overload-shadow, total-tcp-free-overload-shadow, total-udp-free-overload-shadow, ha-session-user-quota-exceeded, tcp-user-quota-exceeded, udp-user-quota-exceeded, icmp-user-quota-exceeded, ha-tcp-user-quota-exceeded, ha-udp-user-quota-exceeded, ha-icmp-user-quota-exceeded, ha-nat-port-unavailable-tcp, ha-nat-port-unavailable-udp, ha-nat-port-unavailable-icmp, fnat44_fwd_ingress_packets_tcp, fnat44_fwd_egress_packets_tcp, fnat44_rev_ingress_packets_tcp, fnat44_rev_egress_packets_tcp, fnat44_fwd_ingress_bytes_tcp, fnat44_fwd_egress_bytes_tcp, fnat44_rev_ingress_bytes_tcp, fnat44_rev_egress_bytes_tcp, fnat44_fwd_ingress_packets_udp, fnat44_fwd_egress_packets_udp, fnat44_rev_ingress_packets_udp, fnat44_rev_egress_packets_udp, fnat44_fwd_ingress_bytes_udp, fnat44_fwd_egress_bytes_udp, fnat44_rev_ingress_bytes_udp, fnat44_rev_egress_bytes_udp, fnat44_fwd_ingress_packets_icmp, fnat44_fwd_egress_packets_icmp, fnat44_rev_ingress_packets_icmp, fnat44_rev_egress_packets_icmp, fnat44_fwd_ingress_bytes_icmp, fnat44_fwd_egress_bytes_icmp, fnat44_rev_ingress_bytes_icmp, fnat44_rev_egress_bytes_icmp, fnat44_fwd_ingress_packets_others, fnat44_fwd_egress_packets_others, fnat44_rev_ingress_packets_others, fnat44_rev_egress_packets_others, fnat44_fwd_ingress_bytes_others, fnat44_fwd_egress_bytes_others, fnat44_rev_ingress_bytes_others, fnat44_rev_egress_bytes_others, fnat44_fwd_ingress_pkt_size_range1, fnat44_fwd_ingress_pkt_size_range2, fnat44_fwd_ingress_pkt_size_range3, fnat44_fwd_ingress_pkt_size_range4, fnat44_fwd_egress_pkt_size_range1

counters3

Description 'fnat44_fwd_egress_pkt_size_range2': Fixed NAT44 Forward Egress Packet size between 201 and 800; 'fnat44_fwd_egress_pkt_size_range3': Fixed NAT44 Forward Egress Packet size between 801 and 1550; 'fnat44_fwd_egress_pkt_size_range4': Fixed NAT44 Forward Egress Packet size between 1551 and 9000; 'fnat44_rev_ingress_pkt_size_range1': Fixed NAT44 Reverse Ingress Packet size between 0 and 200; 'fnat44_rev_ingress_pkt_size_range2': Fixed NAT44 Reverse Ingress Packet size between 201 and 800; 'fnat44_rev_ingress_pkt_size_range3': Fixed NAT44 Reverse Ingress Packet size between 801 and 1550; 'fnat44_rev_ingress_pkt_size_range4': Fixed NAT44 Reverse Ingress Packet size between 1551 and 9000; 'fnat44_rev_egress_pkt_size_range1': Fixed NAT44 Reverse Egress Packet size between 0 and 200; 'fnat44_rev_egress_pkt_size_range2': Fixed NAT44 Reverse Egress Packet size between 201 and 800; 'fnat44_rev_egress_pkt_size_range3': Fixed NAT44 Reverse Egress Packet size between 801 and 1550; 'fnat44_rev_egress_pkt_size_range4': Fixed NAT44 Reverse Egress Packet size between 1551 and 9000; 'fnat64_fwd_ingress_packets_tcp': Fixed NAT64 Forward Ingress Packets TCP; 'fnat64_fwd_egress_packets_tcp': Fixed NAT64 Forward Egress Packets TCP; 'fnat64_rev_ingress_packets_tcp':

Fixed NAT64 Reverse Ingress Packets TCP; 'fnat64_rev_egress_packets_tcp': Fixed NAT64 Reverse Egress Packets TCP; 'fnat64_fwd_ingress_bytes_tcp': Fixed NAT64 Forward Ingress Bytes TCP; 'fnat64_fwd_egress_bytes_tcp': Fixed NAT64 Forward Egress Bytes TCP; 'fnat64_rev_ingress_bytes_tcp': Fixed NAT64 Reverse Ingress Bytes TCP; 'fnat64_rev_egress_bytes_tcp': Fixed NAT64 Reverse Egress Bytes TCP; 'fnat64_fwd_ingress_packets_udp': Fixed NAT64 Forward Ingress Packets UDP; 'fnat64_fwd_egress_packets_udp': Fixed NAT64 Forward Egress Packets UDP; 'fnat64_rev_ingress_packets_udp': Fixed NAT64 Reverse Ingress Packets UDP; 'fnat64_rev_egress_packets_udp': Fixed NAT64 Reverse Egress Packets UDP; 'fnat64_fwd_ingress_bytes_udp': Fixed NAT64 Forward Ingress Bytes UDP; 'fnat64_fwd_egress_bytes_udp': Fixed NAT64 Forward Egress Bytes UDP; 'fnat64_rev_ingress_bytes_udp': Fixed NAT64 Reverse Ingress Bytes UDP; 'fnat64_rev_egress_bytes_udp': Fixed NAT64 Reverse Egress Bytes UDP; 'fnat64_fwd_ingress_packets_icmp': Fixed NAT64 Forward Ingress Packets ICMP; 'fnat64_fwd_egress_packets_icmp': Fixed NAT64 Forward Egress Packets ICMP; 'fnat64_rev_ingress_packets_icmp': Fixed NAT64 Reverse Ingress Packets ICMP; 'fnat64_rev_egress_packets_icmp': Fixed NAT64 Reverse Egress Packets ICMP; 'fnat64_fwd_ingress_bytes_icmp': Fixed NAT64 Forward Ingress Bytes ICMP; 'fnat64_fwd_egress_bytes_icmp': Fixed NAT64 Forward Egress Bytes ICMP; 'fnat64_rev_ingress_bytes_icmp': Fixed NAT64 Reverse Ingress Bytes ICMP; 'fnat64_rev_egress_bytes_icmp': Fixed NAT64 Reverse Egress Bytes ICMP; 'fnat64_fwd_ingress_packets_others': Fixed NAT64 Forward Ingress Packets OTHERS; 'fnat64_fwd_egress_packets_others': Fixed NAT64 Forward Egress Packets OTHERS; 'fnat64_rev_ingress_packets_others': Fixed NAT64 Reverse Ingress Packets OTHERS; 'fnat64_rev_egress_packets_others': Fixed NAT64 Reverse Egress Packets OTHERS; 'fnat64_fwd_ingress_bytes_others': Fixed NAT64 Forward Ingress Bytes OTHERS; 'fnat64_fwd_egress_bytes_others': Fixed NAT64 Forward Egress Bytes OTHERS; 'fnat64_rev_ingress_bytes_others': Fixed NAT64 Reverse Ingress Bytes OTHERS; 'fnat64_rev_egress_bytes_others': Fixed NAT64 Reverse Egress Bytes OTHERS; 'fnat64_fwd_ingress_pkt_size_range1': Fixed NAT64 Forward Ingress Packet size between 0 and 200; 'fnat64_fwd_ingress_pkt_size_range2': Fixed NAT64 Forward Ingress Packet size between 201 and 800; 'fnat64_fwd_ingress_pkt_size_range3': Fixed NAT64 Forward Ingress Packet size between 801 and 1550; 'fnat64_fwd_ingress_pkt_size_range4': Fixed NAT64 Forward Ingress Packet size between 1551 and 9000; 'fnat64_fwd_egress_pkt_size_range1': Fixed NAT64 Forward Egress Packet size between 0 and 200; 'fnat64_fwd_egress_pkt_size_range2': Fixed NAT64 Forward Egress Packet size between 201 and 800; 'fnat64_fwd_egress_pkt_size_range3': Fixed NAT64 Forward Egress Packet size between 801 and 1550; 'fnat64_fwd_egress_pkt_size_range4': Fixed NAT64 Forward Egress Packet size between 1551 and 9000; 'fnat64_rev_ingress_pkt_size_range1': Fixed NAT64 Reverse Ingress Packet size between 0 and 200; 'fnat64_rev_ingress_pkt_size_range2': Fixed NAT64 Reverse Ingress Packet size between 201 and 800; 'fnat64_rev_ingress_pkt_size_range3': Fixed NAT64 Reverse Ingress Packet size between 801 and 1550; 'fnat64_rev_ingress_pkt_size_range4': Fixed NAT64 Reverse Ingress Packet size between 1551 and 9000; 'fnat64_rev_egress_pkt_size_range1': Fixed NAT64 Reverse Egress Packet size between 0 and 200; 'fnat64_rev_egress_pkt_size_range2': Fixed NAT64 Reverse Egress Packet size between 201 and 800; 'fnat64_rev_egress_pkt_size_range3': Fixed NAT64 Reverse Egress Packet size between 801 and 1550; 'fnat64_rev_egress_pkt_size_range4': Fixed NAT64 Reverse Egress Packet size between 1551 and 9000; 'fnatdslite_fwd_ingress_packets_tcp': Fixed DS-Lite Forward Ingress Packets TCP; 'fnatdslite_fwd_egress_packets_tcp': Fixed DS-Lite Forward Egress Packets TCP; 'fnatdslite_rev_ingress_packets_tcp': Fixed DS-Lite Reverse Ingress Packets TCP; 'fnatdslite_rev_egress_packets_tcp': Fixed DS-Lite Reverse Egress Packets TCP; 'fnatdslite_fwd_ingress_bytes_tcp': Fixed DS-Lite Forward Ingress Bytes TCP; 'fnatdslite_fwd_egress_bytes_tcp': Fixed DS-Lite For-

ward Egress Bytes TCP; 'fnatdslite_rev_ingress_bytes_tcp': Fixed DS-Lite Reverse Ingress Bytes TCP; 'fnatdslite_rev_egress_bytes_tcp': Fixed DS-Lite Reverse Egress Bytes TCP; 'fnatdslite_fwd_ingress_packets_udp': Fixed DS-Lite Forward Ingress Packets UDP; 'fnatdslite_fwd_egress_packets_udp': Fixed DS-Lite Forward Egress Packets UDP; 'fnatdslite_rev_ingress_packets_udp': Fixed DS-Lite Reverse Ingress Packets UDP; 'fnatdslite_rev_egress_packets_udp': Fixed DS-Lite Reverse Egress Packets UDP; 'fnatdslite_fwd_ingress_bytes_udp': Fixed DS-Lite Forward Ingress Bytes UDP; 'fnatdslite_fwd_egress_bytes_udp': Fixed DS-Lite Forward Egress Bytes UDP; 'fnatdslite_rev_ingress_bytes_udp': Fixed DS-Lite Reverse Ingress Bytes UDP; 'fnatdslite_rev_egress_bytes_udp': Fixed DS-Lite Reverse Egress Bytes UDP; 'fnatdslite_fwd_ingress_packets_icmp': Fixed DS-Lite Forward Ingress Packets ICMP; 'fnatdslite_fwd_egress_packets_icmp': Fixed DS-Lite Forward Egress Packets ICMP; 'fnatdslite_rev_ingress_packets_icmp': Fixed DS-Lite Reverse Ingress Packets ICMP; 'fnatdslite_rev_egress_packets_icmp': Fixed DS-Lite Reverse Egress Packets ICMP; 'fnatdslite_fwd_ingress_bytes_icmp': Fixed DS-Lite Forward Ingress Bytes ICMP; 'fnatdslite_fwd_egress_bytes_icmp': Fixed DS-Lite Forward Egress Bytes ICMP; 'fnatdslite_rev_ingress_bytes_icmp': Fixed DS-Lite Reverse Ingress Bytes ICMP; 'fnatdslite_rev_egress_bytes_icmp': Fixed DS-Lite Reverse Egress Bytes ICMP; 'fnatdslite_fwd_ingress_packets_others': Fixed DS-Lite Forward Ingress Packets OTHERS; 'fnatdslite_fwd_egress_packets_others': Fixed DS-Lite Forward Egress Packets OTHERS; 'fnatdslite_rev_ingress_packets_others': Fixed DS-Lite Reverse Ingress Packets OTHERS; 'fnatdslite_rev_egress_packets_others': Fixed DS-Lite Reverse Egress Packets OTHERS; 'fnatdslite_fwd_ingress_bytes_others': Fixed DS-Lite Forward Ingress Bytes OTHERS; 'fnatdslite_fwd_egress_bytes_others': Fixed DS-Lite Forward Egress Bytes OTHERS; 'fnatdslite_rev_ingress_bytes_others': Fixed DS-Lite Reverse Ingress Bytes OTHERS; 'fnatdslite_rev_egress_bytes_others': Fixed DS-Lite Reverse Egress Bytes OTHERS; 'fnatdslite_fwd_ingress_pkt_size_range1': Fixed DS-Lite Forward Ingress Packet size between 0 and 200;

Type: string

Supported Values: fnat44_fwd_egress_pkt_size_range2, fnat44_fwd_egress_pkt_size_range3, fnat44_fwd_egress_pkt_size_range4, fnat44_rev_ingress_pkt_size_range1, fnat44_rev_ingress_pkt_size_range2, fnat44_rev_ingress_pkt_size_range3, fnat44_rev_ingress_pkt_size_range4, fnat44_rev_egress_pkt_size_range1, fnat44_rev_egress_pkt_size_range2, fnat44_rev_egress_pkt_size_range3, fnat44_rev_egress_pkt_size_range4, fnat64_fwd_ingress_packets_tcp, fnat64_fwd_egress_packets_tcp, fnat64_rev_ingress_packets_tcp, fnat64_rev_egress_packets_tcp, fnat64_fwd_ingress_bytes_tcp, fnat64_fwd_egress_bytes_tcp, fnat64_rev_ingress_bytes_tcp, fnat64_rev_egress_bytes_tcp, fnat64_fwd_ingress_packets_udp, fnat64_fwd_egress_packets_udp, fnat64_rev_ingress_packets_udp, fnat64_rev_egress_packets_udp, fnat64_fwd_ingress_bytes_udp, fnat64_fwd_egress_bytes_udp, fnat64_rev_ingress_bytes_udp, fnat64_rev_egress_bytes_udp, fnat64_fwd_ingress_packets_icmp, fnat64_fwd_egress_packets_icmp, fnat64_rev_ingress_packets_icmp, fnat64_rev_egress_packets_icmp, fnat64_fwd_ingress_bytes_icmp, fnat64_fwd_egress_bytes_icmp, fnat64_rev_ingress_bytes_icmp, fnat64_rev_egress_bytes_icmp, fnat64_fwd_ingress_packets_others, fnat64_fwd_egress_packets_others, fnat64_rev_ingress_packets_others, fnat64_rev_egress_packets_others, fnat64_fwd_ingress_bytes_others, fnat64_fwd_egress_bytes_others, fnat64_rev_ingress_bytes_others, fnat64_rev_egress_bytes_others, fnat64_fwd_ingress_pkt_size_range1, fnat64_fwd_ingress_pkt_size_range2, fnat64_fwd_ingress_pkt_size_range3, fnat64_fwd_ingress_pkt_size_range4, fnat64_fwd_egress_pkt_size_range1, fnat64_fwd_egress_pkt_size_range2,

fnat64_fwd_egress_pkt_size_range3, fnat64_fwd_egress_pkt_size_range4, fnat64_rev_ingress_pkt_size_range1, fnat64_rev_ingress_pkt_size_range2, fnat64_rev_ingress_pkt_size_range3, fnat64_rev_ingress_pkt_size_range4, fnat64_rev_egress_pkt_size_range1, fnat64_rev_egress_pkt_size_range2, fnat64_rev_egress_pkt_size_range3, fnat64_rev_egress_pkt_size_range4, fnatdslite_fwd_ingress_packets_tcp, fnatdslite_fwd_egress_packets_tcp, fnatdslite_rev_ingress_packets_tcp, fnatdslite_rev_egress_packets_tcp, fnatdslite_fwd_ingress_bytes_tcp, fnatdslite_fwd_egress_bytes_tcp, fnatdslite_rev_ingress_bytes_tcp, fnatdslite_rev_egress_bytes_tcp, fnatdslite_fwd_ingress_packets_udp, fnatdslite_fwd_egress_packets_udp, fnatdslite_rev_ingress_packets_udp, fnatdslite_rev_egress_packets_udp, fnatdslite_fwd_ingress_bytes_udp, fnatdslite_fwd_egress_bytes_udp, fnatdslite_rev_ingress_bytes_udp, fnatdslite_rev_egress_bytes_udp, fnatdslite_fwd_ingress_packets_icmp, fnatdslite_fwd_egress_packets_icmp, fnatdslite_rev_ingress_packets_icmp, fnatdslite_rev_egress_packets_icmp, fnatdslite_fwd_ingress_bytes_icmp, fnatdslite_fwd_egress_bytes_icmp, fnatdslite_rev_ingress_bytes_icmp, fnatdslite_rev_egress_bytes_icmp, fnatdslite_fwd_ingress_packets_others, fnatdslite_fwd_egress_packets_others, fnatdslite_rev_ingress_packets_others, fnatdslite_rev_egress_packets_others, fnatdslite_fwd_ingress_bytes_others, fnatdslite_fwd_egress_bytes_others, fnatdslite_rev_ingress_bytes_others, fnatdslite_rev_egress_bytes_others, fnatdslite_fwd_ingress_pkt_size_range1

counters4

Description 'fnatdslite_fwd_ingress_pkt_size_range2': Fixed DS-Lite Forward Ingress Packet size between 201 and 800; 'fnatdslite_fwd_ingress_pkt_size_range3': Fixed DS-Lite Forward Ingress Packet size between 801 and 1550; 'fnatdslite_fwd_ingress_pkt_size_range4': Fixed DS-Lite Forward Ingress Packet size between 1551 and 9000; 'fnatdslite_fwd_egress_pkt_size_range1': Fixed DS-Lite Forward Egress Packet size between 0 and 200; 'fnatdslite_fwd_egress_pkt_size_range2': Fixed DS-Lite Forward Egress Packet size between 201 and 800; 'fnatdslite_fwd_egress_pkt_size_range3': Fixed DS-Lite Forward Egress Packet size between 801 and 1550; 'fnatdslite_fwd_egress_pkt_size_range4': Fixed DS-Lite Forward Egress Packet size between 1551 and 9000; 'fnatdslite_rev_ingress_pkt_size_range1': Fixed DS-Lite Reverse Ingress Packet size between 0 and 200; 'fnatdslite_rev_ingress_pkt_size_range2': Fixed DS-Lite Reverse Ingress Packet size between 201 and 800; 'fnatdslite_rev_ingress_pkt_size_range3': Fixed DS-Lite Reverse Ingress Packet size between 801 and 1550; 'fnatdslite_rev_ingress_pkt_size_range4': Fixed DS-Lite Reverse Ingress Packet size between 1551 and 9000; 'fnatdslite_rev_egress_pkt_size_range1': Fixed DS-Lite Reverse Egress Packet size between 0 and 200; 'fnatdslite_rev_egress_pkt_size_range2': Fixed DS-Lite Reverse Egress Packet size between 201 and 800; 'fnatdslite_rev_egress_pkt_size_range3': Fixed DS-Lite Reverse Egress Packet size between 801 and 1550; 'fnatdslite_rev_egress_pkt_size_range4': Fixed DS-Lite Reverse Egress Packet size between 1551 and 9000;

Type: string

Supported Values: fnatdslite_fwd_ingress_pkt_size_range2, fnatdslite_fwd_ingress_pkt_size_range3, fnatdslite_fwd_ingress_pkt_size_range4, fnatdslite_fwd_egress_pkt_size_range1, fnatdslite_fwd_egress_pkt_size_range2, fnatdslite_fwd_egress_pkt_size_range3, fnatdslite_fwd_egress_pkt_size_range4, fnatdslite_rev_ingress_pkt_size_range1, fnatdslite_rev_ingress_pkt_size_range2, fnatdslite_rev_ingress_pkt_size_range3, fnatdslite_rev_ingress_pkt_size_range4, fnatdslite_rev_egress_pkt_size_range1, fnatdslite_rev_egress_pkt_size_range2, fnatdslite_rev_egress_pkt_size_range3, fnatdslite_rev_egress_pkt_size_range4, active-subscriber-added, active-subscriber-removed, config-not-found-in-ctx

stats data

	Counter	Size	Description
	standby-drop	8	Fixed NAT LID Standby Drop
	fnat44_fwd_ingress_pkt_size_range4	8	Fixed NAT44 Forward Ingress Packet size between 1551 and 9000
	fnat44_fwd_ingress_pkt_size_range1	8	Fixed NAT44 Forward Ingress Packet size between 0 and 200
	fnat44_fwd_ingress_packets_icmp	8	Fixed NAT44 Forward Ingress Packets ICMP
	fnat44_fwd_ingress_pkt_size_range2	8	Fixed NAT44 Forward Ingress Packet size between 201 and 800
	nat44-eim-match	8	NAT44 Endpoint-Independent-Mapping Matched
	fnatd-slite_fwd_ingress_bytes_others	8	Fixed DS-Lite Forward Ingress Bytes OTHERS
	fnatd-slite_rev_ingress_pkt_size_range4	8	Fixed DS-Lite Reverse Ingress Packet size between 1551 and 9000
	fnatd-slite_rev_egress_packets_udp	8	Fixed DS-Lite Reverse Egress Packets UDP
	fnatd-slite_rev_ingress_pkt_size_range2	8	Fixed DS-Lite Reverse Ingress Packet size between 201 and 800
	fnatd-slite_rev_ingress_pkt_size_range3	8	Fixed DS-Lite Reverse Ingress Packet size between 801 and 1550
	total-tcp-freed	8	Total TCP Ports Freed
	fnatd-slite_rev_ingress_pkt_size_range1	8	Fixed DS-Lite Reverse Ingress Packet size between 0 and 200
	fnatd-slite_rev_egress_bytes_others	8	Fixed DS-Lite Reverse Egress Bytes OTHERS
	fnat64_rev_ingress_packets_udp	8	Fixed NAT64 Reverse Ingress Packets UDP
	dslite-tcp-fullcone-freed	8	DS-Lite TCP Full-Cone Freed
	fnatd-slite_rev_egress_bytes_udp	8	Fixed DS-Lite Reverse Egress Bytes UDP
	fnat64_rev_egress_bytes_tcp	8	Fixed NAT64 Reverse Egress Bytes TCP
	fnatd-slite_fwd_egress_bytes_udp	8	Fixed DS-Lite Forward Egress Bytes UDP
	nat44-udp-alg-fullcone-freed	8	NAT44 UDP ALG Full-Cone Freed
	config-not-found	8	Fixed NAT Config not Found
	dslite-udp-fullcone-created	8	DS-Lite UDP Full-Cone Created
	total-tcp-free-overload	8	Total TCP ports freed via overload
	total-udp-freed	8	Total UDP Ports Freed
	fnatd-slite_rev_ingress_packets_icmp	8	Fixed DS-Lite Reverse Ingress Packets ICMP

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Table 2.4 – continued from previous page

	Counter	Size	Description
	dslite-udp-alg-fullcone-created	8	DS-Lite UDP ALG Full-Cone Created
	fnat64_fwd_ingress_packets_icmp	8	Fixed NAT64 Forward Ingress Packets ICMP
	total-tcp-allocated	8	Total TCP Ports Allocated
	nat64-udp-fullcone-created	8	NAT64 UDP Full-Cone Created
	dslite-inbound-filtered	8	DS-Lite Endpoint-Dependent Filtering Drop
	ha-session-user-quota-exceeded	8	HA Sessions User Quota Exceeded
	dslite-tcp-fullcone-created	8	DS-Lite TCP Full-Cone Created
	nat-port-unavailable-icmp	8	ICMP NAT Port Unavailable
	dslite-udp-fullcone-freed	8	DS-Lite UDP Full-Cone Freed
	fnat64_fwd_egress_packets_icmp	8	Fixed NAT64 Forward Egress Packets ICMP
	nat44-inbound-filtered	8	NAT44 Endpoint-Dependent Filtering Drop
	fnat64_fwd_ingress_packets_udp	8	Fixed NAT64 Forward Ingress Packets UDP
	fnat64_fwd_egress_pkt_size_range4	8	Fixed NAT64 Forward Egress Packet size between 1551 and 9000
	fnatd-slite_rev_egress_bytes_icmp	8	Fixed DS-Lite Reverse Egress Bytes ICMP
	fnat64_fwd_egress_pkt_size_range1	8	Fixed NAT64 Forward Egress Packet size between 0 and 200
	fnat64_fwd_egress_pkt_size_range2	8	Fixed NAT64 Forward Egress Packet size between 201 and 800
	fnat64_fwd_egress_pkt_size_range3	8	Fixed NAT64 Forward Egress Packet size between 801 and 1550
	fnat64_rev_egress_packets_udp	8	Fixed NAT64 Reverse Egress Packets UDP
	fnat44_fwd_ingress_bytes_others	8	Fixed NAT44 Forward Ingress Bytes OTHERS
	fnat64_rev_ingress_pkt_size_range4	8	Fixed NAT64 Reverse Ingress Packet size between 1551 and 9000
	fnat44_fwd_egress_pkt_size_range2	8	Fixed NAT44 Forward Egress Packet size between 201 and 800
	fnat44_fwd_ingress_packets_tcp	8	Fixed NAT44 Forward Ingress Packets TCP
	fnat44_fwd_egress_packets_icmp	8	Fixed NAT44 Forward Egress Packets ICMP
	fnat44_rev_ingress_pkt_size_range2	8	Fixed NAT44 Reverse Ingress Packet size between 201 and 800
	dslite-eif-limit-exceeded	8	DS-Lite Endpoint-Independent-Filtering Limit Exceeded
	fnat44_fwd_ingress_bytes_udp	8	Fixed NAT44 Forward Ingress Bytes UDP

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Table 2.4 – continued from previous page

	Counter	Size	Description
	fnatd-slite_fwd_ingress_packets_others	8	Fixed DS-Lite Forward Ingress Packets OTHERS
	fnat44_fwd_egress_pkt_size_range4	8	Fixed NAT44 Forward Egress Packet size between 1551 and 9000
	fnatd-slite_fwd_ingress_bytes_icmp	8	Fixed DS-Lite Forward Ingress Bytes ICMP
	fnat44_fwd_egress_bytes_tcp	8	Fixed NAT44 Forward Egress Bytes TCP
	dslite-data-session-freed	8	DS-Lite Data Sessions Freed
	nat64-hairpin	8	NAT64 Hairpin Session Created
	fnat44_rev_ingress_bytes_others	8	Fixed NAT44 Reverse Ingress Bytes OTHERS
	nat64-tcp-fullcone-freed	8	NAT64 TCP Full-Cone Freed
	nat64-udp-alg-fullcone-created	8	NAT64 UDP ALG Full-Cone Created
	fnatd-slite_fwd_ingress_bytes_tcp	8	Fixed DS-Lite Forward Ingress Bytes TCP
	fnat44_fwd_egress_pkt_size_range3	8	Fixed NAT44 Forward Egress Packet size between 801 and 1550
	fnat64_fwd_ingress_packets_tcp	8	Fixed NAT64 Forward Ingress Packets TCP
	nat44-eif-match	8	NAT44 Endpoint-Independent-Filtering Matched
	fnatd-slite_fwd_egress_pkt_size_range2	8	Fixed DS-Lite Forward Egress Packet size between 201 and 800
	fnatd-slite_fwd_egress_packets_others	8	Fixed DS-Lite Forward Egress Packets OTHERS
	nat44-hairpin	8	NAT44 Hairpin Session Created
	fnat44_fwd_egress_pkt_size_range1	8	Fixed NAT44 Forward Egress Packet size between 0 and 200
	fnatd-slite_fwd_egress_pkt_size_range1	8	Fixed DS-Lite Forward Egress Packet size between 0 and 200
	fnat64_fwd_egress_packets_others	8	Fixed NAT64 Forward Egress Packets OTHERS
	fnat44_fwd_ingress_packets_others	8	Fixed NAT44 Forward Ingress Packets OTHERS
	fnat44_fwd_ingress_bytes_tcp	8	Fixed NAT44 Forward Ingress Bytes TCP
	fnat64_rev_ingress_bytes_udp	8	Fixed NAT64 Reverse Ingress Bytes UDP
	dslite-hairpin	8	DS-Lite Hairpin Session Created
	fnat64_fwd_ingress_bytes_others	8	Fixed NAT64 Forward Ingress Bytes OTHERS
	nat64-tcp-fullcone-created	8	NAT64 TCP Full-Cone Created
	fnatd-slite_rev_ingress_bytes_icmp	8	Fixed DS-Lite Reverse Ingress Bytes ICMP
	fnatd-slite_fwd_egress_packets_tcp	8	Fixed DS-Lite Forward Egress Packets TCP
	fnatd-slite_fwd_ingress_packets_tcp	8	Fixed DS-Lite Forward Ingress Packets TCP
	fnatd-slite_rev_egress_pkt_size_range3	8	Fixed DS-Lite Reverse Egress Packet size between 801 and 1550

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Table 2.4 – continued from previous page

	Counter	Size	Description
	fnatd-slite_rev_egress_pkt_size_range2	8	Fixed DS-Lite Reverse Egress Packet size between 201 and 800
	fnatd-slite_rev_egress_pkt_size_range1	8	Fixed DS-Lite Reverse Egress Packet size between 0 and 200
	fnat44_fwd_egress_bytes_others	8	Fixed NAT44 Forward Egress Bytes OTHERS
	fnat64_fwd_egress_bytes_udp	8	Fixed NAT64 Forward Egress Bytes UDP
	total-udp-free-overload	8	Total UDP ports freed via overload
	fnatd-slite_rev_egress_pkt_size_range4	8	Fixed DS-Lite Reverse Egress Packet size between 1551 and 9000
	nat44-udp-fullcone-created	8	NAT44 UDP Full-Cone Created
	nat-port-unavailable-tcp	8	TCP NAT Port Unavailable
	fnat44_rev_ingress_packets_icmp	8	Fixed NAT44 Reverse Ingress Packets ICMP
	nat64-eif-limit-exceeded	8	NAT64 Endpoint-Independent-Filtering Limit Exceeded
	fnat44_rev_egress_pkt_size_range2	8	Fixed NAT44 Reverse Egress Packet size between 201 and 800
	total-udp-alloc-overload	8	Total UDP ports allocated via overload
	fnatd-slite_fwd_ingress_bytes_udp	8	Fixed DS-Lite Forward Ingress Bytes UDP
	fnat64_rev_egress_pkt_size_range2	8	Fixed NAT64 Reverse Egress Packet size between 201 and 800
	fnat64_rev_ingress_bytes_others	8	Fixed NAT64 Reverse Ingress Bytes OTHERS
	total-nat-in-use	8	Total NAT Addresses in-use
	fnat64_rev_egress_pkt_size_range3	8	Fixed NAT64 Reverse Egress Packet size between 801 and 1550
	fnat64_rev_egress_pkt_size_range4	8	Fixed NAT64 Reverse Egress Packet size between 1551 and 9000
	fnat44_rev_egress_packets_udp	8	Fixed NAT44 Reverse Egress Packets UDP
	fnatd-slite_fwd_egress_bytes_tcp	8	Fixed DS-Lite Forward Egress Bytes TCP
	fnat64_rev_ingress_bytes_tcp	8	Fixed NAT64 Reverse Ingress Bytes TCP
	fnat64_rev_egress_bytes_udp	8	Fixed NAT64 Reverse Egress Bytes UDP
	dest-rlist-drop	8	Fixed NAT Dest Rule List Drop
	fnat64_fwd_ingress_packets_others	8	Fixed NAT64 Forward Ingress Packets OTHERS
	fnat44_rev_ingress_packets_tcp	8	Fixed NAT44 Reverse Ingress Packets TCP
	fnat64_fwd_ingress_pkt_size_range4	8	Fixed NAT64 Forward Ingress Packet size between 1551 and 9000
	fnat64_rev_ingress_bytes_icmp	8	Fixed NAT64 Reverse Ingress Bytes ICMP
	fnat64_fwd_ingress_pkt_size_range2	8	Fixed NAT64 Forward Ingress Packet size between 201 and 800
	fnat64_fwd_ingress_pkt_size_range1	8	Fixed NAT64 Forward Ingress Packet size between 0 and 200
	dslite-eif-match	8	DS-Lite Endpoint-Independent-Filtering Matched

continues on next page

Table 2.4 – continued from previous page

	Counter	Size	Description
	fnat64_rev_ingress_packets_icmp	8	Fixed NAT64 Reverse Ingress Packets ICMP
	fnatd-slite_fwd_egress_packets_icmp	8	Fixed DS-Lite Forward Egress Packets ICMP
	fnatd-slite_fwd_ingress_pkt_size_range4	8	Fixed DS-Lite Forward Ingress Packet size between 1551 and 9000
	fnatd-slite_rev_ingress_packets_others	8	Fixed DS-Lite Reverse Ingress Packets OTHERS
	fnatd-slite_fwd_ingress_pkt_size_range2	8	Fixed DS-Lite Forward Ingress Packet size between 201 and 800
	fnatd-slite_fwd_ingress_pkt_size_range3	8	Fixed DS-Lite Forward Ingress Packet size between 801 and 1550
	fnatd-slite_fwd_ingress_pkt_size_range1	8	Fixed DS-Lite Forward Ingress Packet size between 0 and 200
	total-icmp-freed	8	Total ICMP Ports Freed
	fnat64_rev_egress_packets_icmp	8	Fixed NAT64 Reverse Egress Packets ICMP
	fnat44_fwd_egress_packets_udp	8	Fixed NAT44 Forward Egress Packets UDP
	fnat44_rev_egress_bytes_others	8	Fixed NAT44 Reverse Egress Bytes OTHERS
	nat44-tcp-fullcone-created	8	NAT44 TCP Full-Cone Created
	fnatd-slite_rev_ingress_packets_udp	8	Fixed DS-Lite Reverse Ingress Packets UDP
	nat64-data-session-created	8	NAT64 Data Sessions Created
	fnat64_rev_egress_pkt_size_range1	8	Fixed NAT64 Reverse Egress Packet size between 0 and 200
	fnatd-slite_fwd_egress_pkt_size_range3	8	Fixed DS-Lite Forward Egress Packet size between 801 and 1550
	fnatd-slite_rev_egress_packets_icmp	8	Fixed DS-Lite Reverse Egress Packets ICMP
	total-udp-overload-released	8	Total UDP ports released from port overloading
	total-icmp-allocated	8	Total ICMP Ports Allocated
	nat64-udp-fullcone-freed	8	NAT64 UDP Full-Cone Freed
	fnatd-slite_fwd_egress_pkt_size_range4	8	Fixed DS-Lite Forward Egress Packet size between 1551 and 9000
	nat-port-unavailable-udp	8	UDP NAT Port Unavailable
	fnatd-slite_rev_ingress_bytes_tcp	8	Fixed DS-Lite Reverse Ingress Bytes TCP
	nat64-inbound-filtered	8	NAT64 Endpoint-Dependent Filtering Drop

continues on next page

Table 2.4 – continued from previous page

	Counter	Size	Description
	sixrd-drop	8	Fixed NAT IPv6 in IPv4 Packet Drop
	fnat64_fwd_ingress_bytes_tcp	8	Fixed NAT64 Forward Ingress Bytes TCP
	nat44-udp-alg-fullcone-created	8	NAT44 UDP ALG Full-Cone Created
	fnat44_fwd_ingress_packets_udp	8	Fixed NAT44 Forward Ingress Packets UDP
	port-overload-failed	8	Port overload failed
	nat64-data-session-freed	8	NAT64 Data Sessions Freed
	fnat44_rev_ingress_packets_others	8	Fixed NAT44 Reverse Ingress Packets OTHERS
	fnat44_fwd_egress_bytes_icmp	8	Fixed NAT44 Forward Egress Bytes ICMP
	nat64-eif-match	8	NAT64 Endpoint-Independent-Filtering Matched
	fnatd-slite_fwd_ingress_packets_udp	8	Fixed DS-Lite Forward Ingress Packets UDP
	nat44-eif-limit-exceeded	8	NAT44 Endpoint-Independent-Filtering Limit Exceeded
	fnat44_fwd_egress_packets_tcp	8	Fixed NAT44 Forward Egress Packets TCP
	nat44-data-session-created	8	NAT44 Data Sessions Created
	total-udp-overload-acquired	8	Total UDP ports acquired for port overloading
	dslite-data-session-created	8	DS-Lite Data Sessions Created
	fnat64_rev_egress_bytes_others	8	Fixed NAT64 Reverse Egress Bytes OTHERS
	fnat44_fwd_egress_bytes_udp	8	Fixed NAT44 Forward Egress Bytes UDP
	fnat44_rev_egress_packets_others	8	Fixed NAT44 Reverse Egress Packets OTHERS
	fnat64_rev_ingress_pkt_size_range3	8	Fixed NAT64 Reverse Ingress Packet size between 801 and 1550
	fnat64_rev_ingress_pkt_size_range2	8	Fixed NAT64 Reverse Ingress Packet size between 201 and 800
	fnat64_rev_ingress_pkt_size_range1	8	Fixed NAT64 Reverse Ingress Packet size between 0 and 200
	fnatd-slite_rev_ingress_bytes_others	8	Fixed DS-Lite Reverse Ingress Bytes OTHERS
	dslite-udp-alg-fullcone-freed	8	DS-Lite UDP ALG Full-Cone Freed
	fnatd-slite_fwd_egress_bytes_icmp	8	Fixed DS-Lite Forward Egress Bytes ICMP
	total-tcp-overload-acquired	8	Total TCP ports acquired for port overloading
	fnat44_rev_egress_packets_icmp	8	Fixed NAT44 Reverse Egress Packets ICMP
	fnat44_fwd_ingress_pkt_size_range3	8	Fixed NAT44 Forward Ingress Packet size between 801 and 1550

continues on next page

Table 2.4 – continued from previous page

	Counter	Size	Description
	fnat44_rev_egress_pkt_size_range3	8	Fixed NAT44 Reverse Egress Packet size between 801 and 1550
	fnat44_rev_egress_pkt_size_range1	8	Fixed NAT44 Reverse Egress Packet size between 0 and 200
	fnat64_fwd_egress_bytes_tcp	8	Fixed NAT64 Forward Egress Bytes TCP
	fnat44_rev_egress_pkt_size_range4	8	Fixed NAT44 Reverse Egress Packet size between 1551 and 9000
	nat44-udp-fullcone-freed	8	NAT44 UDP Full-Cone Freed
	fnat44_rev_ingress_pkt_size_range1	8	Fixed NAT44 Reverse Ingress Packet size between 0 and 200
	fnat64_fwd_ingress_bytes_icmp	8	Fixed NAT64 Forward Ingress Bytes ICMP
	fnat44_rev_ingress_pkt_size_range3	8	Fixed NAT44 Reverse Ingress Packet size between 801 and 1550
	fnat44_rev_egress_bytes_icmp	8	Fixed NAT44 Reverse Egress Bytes ICMP
	nat64-eim-match	8	NAT64 Endpoint-Independent-Mapping Matched
	fnat44_rev_ingress_pkt_size_range4	8	Fixed NAT44 Reverse Ingress Packet size between 1551 and 9000
	fullcone-failure	8	Full-Cone Session Creation Failed
	active-subscriber-removed	8	Active Subscriber Removed
	fnatd-slite_fwd_egress_bytes_others	8	Fixed DS-Lite Forward Egress Bytes OTHERS
	fnat44_rev_ingress_packets_udp	8	Fixed NAT44 Reverse Ingress Packets UDP
	fnat44_rev_egress_bytes_udp	8	Fixed NAT44 Reverse Egress Bytes UDP
	fnat44_rev_egress_packets_tcp	8	Fixed NAT44 Reverse Egress Packets TCP
	dest-rlist-snat-drop	8	Fixed NAT Dest Rules List Source NAT Drop
	fnatd-slite_rev_egress_bytes_tcp	8	Fixed DS-Lite Reverse Egress Bytes TCP
	fnat64_rev_egress_packets_others	8	Fixed NAT64 Reverse Egress Packets OTHERS
	fnat64_fwd_egress_packets_udp	8	Fixed NAT64 Forward Egress Packets UDP
	fnatd-slite_rev_egress_packets_others	8	Fixed DS-Lite Reverse Egress Packets OTHERS
	fnatd-slite_fwd_egress_packets_udp	8	Fixed DS-Lite Forward Egress Packets UDP
	fnat44_rev_ingress_bytes_udp	8	Fixed NAT44 Reverse Ingress Bytes UDP
	dslite-eim-match	8	DS-Lite Endpoint-Independent-Mapping Matched
	fnat64_fwd_ingress_pkt_size_range3	8	Fixed NAT64 Forward Ingress Packet size between 801 and 1550
	fnat64_rev_ingress_packets_tcp	8	Fixed NAT64 Reverse Ingress Packets TCP
	fnat64_fwd_egress_bytes_others	8	Fixed NAT64 Forward Egress Bytes OTHERS
	active-subscriber-added	8	Active Subscriber Added
	fnat44_fwd_egress_packets_others	8	Fixed NAT44 Forward Egress Packets OTHERS

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Table 2.4 – continued from previous page

	Counter	Size	Description
	nat44-tcp-fullcone-freed	8	NAT44 TCP Full-Cone Freed
	fnat44_fwd_ingress_bytes_icmp	8	Fixed NAT44 Forward Ingress Bytes ICMP
	fnat44_rev_ingress_bytes_tcp	8	Fixed NAT44 Reverse Ingress Bytes TCP
	fnat44_rev_ingress_bytes_icmp	8	Fixed NAT44 Reverse Ingress Bytes ICMP
	fnat64_rev_egress_bytes_icmp	8	Fixed NAT64 Reverse Egress Bytes ICMP
	fixed-nat-fullcone-self-hairpinning-drop	8	Self-Hairpinning Drop
	fnat64_fwd_egress_bytes_icmp	8	Fixed NAT64 Forward Egress Bytes ICMP
	fnatd-slite_fwd_ingress_packets_icmp	8	Fixed DS-Lite Forward Ingress Packets ICMP
	fnat64_rev_egress_packets_tcp	8	Fixed NAT64 Reverse Egress Packets TCP
	fnatd-slite_rev_ingress_bytes_udp	8	Fixed DS-Lite Reverse Ingress Bytes UDP
	fnat44_rev_egress_bytes_tcp	8	Fixed NAT44 Reverse Egress Bytes TCP
	total-tcp-alloc-overload	8	Total TCP ports allocated via overload
	fnatd-slite_rev_egress_packets_tcp	8	Fixed DS-Lite Reverse Egress Packets TCP
	fnat64_rev_ingress_packets_others	8	Fixed NAT64 Reverse Ingress Packets OTHERS
	dest-rlist-pass-through	8	Fixed NAT Dest Rule List Pass-Through
	fnat64_fwd_egress_packets_tcp	8	Fixed NAT64 Forward Egress Packets TCP
	fnatd-slite_rev_ingress_packets_tcp	8	Fixed DS-Lite Reverse Ingress Packets TCP
	total-udp-allocated	8	Total UDP Ports Allocated
	nat64-udp-alg-fullcone-freed	8	NAT64 UDP ALG Full-Cone Freed
	fnat64_fwd_ingress_bytes_udp	8	Fixed NAT64 Forward Ingress Bytes UDP
	session-user-quota-exceeded	8	Sessions User Quota Exceeded
	total-tcp-overload-released	8	Total TCP ports released from port overloading
	nat44-data-session-freed	8	NAT44 Data Sessions Freed

2.19.40 cgnv6 fixed-nat histogram

Fixed NAT Port Usage Histogram

histogram Specification

Type	*Configuration Resource*
Element Name	histogram
Element URI	/axapi/v3/cgnv6/fixed-nat/histogram
Element Attributes	histogram_attributes
Operational Data URI	/axapi/v3/cgnv6/fixed-nat/histogram/oper
Schema	`histogram schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/histogram

histogram attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/histogram

histogram attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/histogram

histogram attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/histogram

histogram attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/histogram

histogram attributes

histogram attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	inside-start-ipv4	ipv4-address	inside-start-ipv4
	inside-start-ipv6	string	inside-start-ipv6
	nat-address	ipv4-address	nat-address
	outside-start-ip	ipv4-address	outside-start-ip
	inside-end-ipv6	string	inside-end-ipv6
	inside-end-ipv4	ipv4-address	inside-end-ipv4
	histogram-list		histogram-list
	inside-user-v4	ipv4-address	inside-user-v4
	inside-user-v6	ipv6-address	inside-user-v6
	outside-end-ip	ipv4-address	outside-end-ip
	total-users	number	total-users

2.19.41 cgnv6 fixed-nat inside

Fixed NAT Inside Users

inside Specification

Type	*Intermediate Resource*
Element Name	inside
Element URI	/axapi/v3/cgnv6/fixed-nat/inside
Element Attributes	inside_attributes
Schema	`inside schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/inside

inside_attributes

inside attributes

iplist-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/iplist/{inside-ip-list}+{partition}*

ipv4address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/ipv4address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}*

ipv6address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/fixed-nat/inside/ipv6address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}*

iplist-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-ip-list

Description Name of IP List used to specify Inside Users

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv4 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *iplist-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *iplist-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

iplist-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

iplist-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

ipv4address-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-end-address

Description IPv4 Inside User End Address

Type: string

Format: ipv4-address

inside-netmask

Description IPv4 Netmask

Type: string

Format: ipv4-netmask-brief

inside-start-address

Description IPv4 Inside User Start Address

Type: string

Format: ipv4-address

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv4 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *ipv4address-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *ipv4address-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

ipv4address-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

ipv4address-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

ipv6address-list

Specification	
Type	*list*
Block object keys	

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-end-address

Description IPv6 Inside User End Address

Type: string

Format: ipv6-address

inside-netmask

Description Inside User IPv6 Netmask

Type: number

Range: 64-128

inside-start-address

Description IPv6 Inside User Start Address

Type: string

Format: ipv6-address

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv6 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *ipv6address-list_offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *ipv6address-list_usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

ipv6address-list_usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

ipv6address-list_offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

2.19.42 cgnv6 fixed-nat inside iplist

Configure Fixed NAT with Inside IP List

iplist Specification

Type	*Collection*
Object Key(s)	*inside-ip-list, partition*
Collection Name	*iplist-list*
Collection URI	/axapi/v3/cgnv6/fixed-nat/inside/iplist
Element Name	iplist
Element URI	/axapi/v3/cgnv6/fixed-nat/inside/iplist/{inside-ip-list}+{partition}
Element Attributes	iplist_attributes
Schema	`iplist schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/inside/iplist

iplist attributes

```
POST /axapi/v3/cgnv6/fixed-nat/inside/iplist/
Payload:
{
    "iplist": {
        "partition": "a",
        "inside-ip-list": "a",
        "nat-ip-list": "test1",
        "vrid": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/fixed-nat/inside/iplist

iplist attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/inside/iplist/{inside-ip-list}+{partition}

iplist attributes

```
GET /axapi/v3/cgnv6/fixed-nat/inside/iplist/a+a
Reponse:
{
```

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```
    "iplist": {
        "inside-ip-list": "a",
        "partition": "a",
        "nat-ip-list": "test1",
        "vrid": 1,
        "dynamic-pool-size": 0,
        "method": "use-least-nat-ips",
        "offset": {
            "random": 0
        },
        "respond-to-user-mac": 0,
        "uuid": "c41228ec-601a-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/inside/iplist/a+a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/fixed-nat/inside/iplist

iplist-list

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/inside/iplist/{inside-ip-list}+{partition}

iplist attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/inside/iplist/{inside-ip-list}+{partition}

iplist attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/inside/iplist/a+a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

iplist-list

iplist-list is **JSON List** of *iplist attributes*

iplist-list : [

{ *iplist attributes* },

{ *iplist attributes* },

...

]

iplist attributes

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-ip-list

Description Name of IP List used to specify Inside Users

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv4 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

2.19.43 cgnv6 fixed-nat inside ipv4address

Configure Fixed NAT

ipv4address Specification

Type	*Collection*
Object Key(s)	*inside-start-address, inside-end-address, inside-netmask, partition*
Collection Name	*ipv4address-list*
Collection URI	/axapi/v3/cgnv6/fixed-nat/inside/ipv4address
Element Name	ipv4address
Element URI	/axapi/v3/cgnv6/fixed-nat/inside/ipv4address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}
Element Attributes	ipv4address_attributes
Schema	`ipv4address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/inside/ipv4address

ipv4address attributes

```
POST /axapi/v3/cgnv6/fixed-nat/inside/ipv4address/
Payload:
{
    "ipv4address": {
        "inside-netmask": "/24",
        "partition": "a",
        "inside-start-address": "3.3.3.3",
        "inside-end-address": "3.3.3.3",
        "nat-ip-list": "a",
        "vrid": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/fixed-nat/inside/ipv4address

ipv4address attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/inside/ipv4address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}

ipv4address attributes

```
GET /axapi/v3/cgnv6/fixed-nat/inside/ipv4address/3.3.3.3+3.3.3.3+%2f24+a
Reponse:
{
    "ipv4address": {
        "inside-start-address": "3.3.3.3",
        "inside-end-address": "3.3.3.3",
        "inside-netmask": "/24",
        "partition": "a",
        "nat-ip-list": "a",
        "vrid": 1,
        "dynamic-pool-size": 0,
        "method": "use-least-nat-ips",
        "offset": {
            "random": 0
        },
        "respond-to-user-mac": 0,
        "uuid": "27f3edbe-601b-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/inside/ipv4address/3.3.3.3+3.3.3.3+
↪%2F24+a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/fixed-nat/inside/ipv4address

ipv4address-list

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/inside/ipv4address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}

ipv4address attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/inside/ipv4address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}

ipv4address attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/inside/ipv4address/3.3.3.3+3.3.3.3+%2f24+a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv4address-list

ipv4address-list is **JSON List** of *ipv4address attributes*

ipv4address-list : [

{ *ipv4address attributes* },

{ *ipv4address attributes* },

...

]

ipv4address attributes

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-end-address

Description IPv4 Inside User End Address

Type: string

Format: ipv4-address

inside-netmask

Description IPv4 Netmask

Type: string

Format: ipv4-netmask-brief

inside-start-address

Description IPv4 Inside User Start Address

Type: string

Format: ipv4-address

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv4 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

2.19.44 cgnv6 fixed-nat inside ipv6address

Configure Fixed NAT

ipv6address Specification

Type	*Collection*
Object Key(s)	*inside-start-address, inside-end-address, inside-netmask, partition*
Collection Name	*ipv6address-list*
Collection URI	/axapi/v3/cgnv6/fixed-nat/inside/ipv6address
Element Name	ipv6address
Element URI	/axapi/v3/cgnv6/fixed-nat/inside/ipv6address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}
Element Attributes	ipv6address_attributes
Schema	`ipv6address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/inside/ipv6address

ipv6address attributes

```
POST /axapi/v3/cgnv6/fixed-nat/inside/ipv6address/
Payload:
{
    "ipv6address": {
        "inside-netmask": 64,
        "partition": "a",
        "inside-start-address": "2003::1",
        "inside-end-address": "2003::1",
        "nat-ip-list": "a",
        "vrid": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/fixed-nat/inside/ipv6address

ipv6address attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/inside/ipv6address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}

ipv6address attributes

```
GET /axapi/v3/cgnv6/fixed-nat/inside/ipv6address/2003::1+2003::1+64+a
Reponse:
{
    "ipv6address": {
        "inside-start-address": "2003::1",
        "inside-end-address": "2003::1",
        "inside-netmask": 64,
        "partition": "a",
        "nat-ip-list": "a",
        "vrid": 1,
        "dynamic-pool-size": 0,
        "method": "use-least-nat-ips",
        "offset": {
            "random": 0
        },
        "respond-to-user-mac": 0,
        "uuid": "844db450-601b-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/fixed-nat/inside/ipv6address/2003%3A%3A1+2003%3A
↪%3A1+64+a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/fixed-nat/inside/ipv6address

ipv6address-list

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/inside/ipv6address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}

ipv6address attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/inside/ipv6address/{inside-start-address}+{inside-end-address}+{inside-netmask}+{partition}

ipv6address attributes

```
DELETE /axapi/v3/cgnv6/fixed-nat/inside/ipv6address/2003::1+2003::1+64+a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6address-list

ipv6address-list is **JSON List** of *ipv6address attributes*

ipv6address-list : [

{ *ipv6address attributes* },

{ *ipv6address attributes* },

...

]

ipv6address attributes

dest-rule-list

Description Bind destination based Rule-List (Fixed NAT Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dynamic-pool-size

Description Configure size of Dynamic pool (Default: 0)

Type: number

Range: 0-64511

Default: 0

inside-end-address

Description IPv6 Inside User End Address

Type: string

Format: ipv6-address

inside-netmask

Description Inside User IPv6 Netmask

Type: number

Range: 64-128

inside-start-address

Description IPv6 Inside User Start Address

Type: string

Format: ipv6-address

method

Description 'use-all-nat-ips': Use all the NAT IP addresses configured; 'use-least-nat-ips': Use the least number of NAT IP addresses required (default);

Type: string

Supported Values: use-all-nat-ips, use-least-nat-ips

Default: use-least-nat-ips

nat-end-address

Description IPv6 End NAT Address

Type: string

Format: ipv4-address

nat-ip-list

Description Name of IP List used to specify NAT addresses

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nat-netmask

Description NAT Addresses IP Netmask

Type: string

Format: ipv4-netmask-brief

nat-start-address

Description Start NAT Address

Type: string

Format: ipv4-address

offset

Description: offset is a **JSON Block**. Please see below for *offset*

Type: Object

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ports-per-user

Description Configure Ports per Inside User (ports-per-user)

Type: number

Range: 1-64512

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (Default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-quota

Description Configure per user quota on sessions

Type: number

Range: 1-2147483647

skip-ports-on-rollover

Description Not using the first block of ports for NAT IPs smaller than the configured offset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports

Description: usable-nat-ports is a **JSON Block**. Please see below for *usable-nat-ports*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

usable-nat-ports

Specification	
Type	*object*

usable-end-port

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-start-port

Description Start Port of Usable NAT Ports

Type: number

Range: 1024-65535

offset

Specification	
Type	*object*

numeric-offset

Description Configure a numeric offset to the first NAT IP address

Type: number

Range: 0-1024000

Default: 0

Mutual Exclusion: numeric-offset and random are mutually exclusive

random

Description Randomly choose the first NAT IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: random and numeric-offset are mutually exclusive

2.19.45 cgnv6 fixed-nat per-instance

Dynamic Fixed-NAT per VRID/UserGroup counters

per-instance Specification

Type	*Configuration Resource*
Element Name	per-instance
Element URI	/axapi/v3/cgnv6/fixed-nat/per-instance
Element Attributes	per-instance_attributes
Statistics Data URI	/axapi/v3/cgnv6/fixed-nat/per-instance/stats
Schema	`per-instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/per-instance

per-instance attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/per-instance

per-instance attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/per-instance

per-instance attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/per-instance

per-instance attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/per-instance

per-instance attributes

per-instance attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	data_session_freed	8	Data Session Freed
	active-subscriber-removed	8	Active Subscriber Removed
	tcp_allocated	8	TCP Ports Allocated
	udp_fullcone_freed	8	UDP Full-cone Session Freed
	tcp_freed	8	TCP Ports Freed
	data_session_created	8	Data Session Created
	icmp_allocated	8	ICMP Ports Allocated
	tcp_fullcone_created	8	TCP Full-cone Session Created
	active-subscriber-added	8	Active Subscriber Added
	tcp_fullcone_freed	8	TCP Full-cone Session Freed
	udp_freed	8	UDP Ports Freed
	udp_allocated	8	UDP Ports Allocated
	udp_fullcone_created	8	UDP Full-cone Session Created
	total_nat_in_use	8	Total NAT addresses in use
	key-name	8	key-name
	icmp_freed	8	ICMP Ports Freed

2.19.46 cgnv6 fixed-nat port-mapping

Fixed NAT Port Mapping

port-mapping Specification

Type	*Configuration Resource*
Element Name	port-mapping
Element URI	/axapi/v3/cgnv6/fixed-nat/port-mapping
Element Attributes	port-mapping_attributes
Operational Data URI	/axapi/v3/cgnv6/fixed-nat/port-mapping/oper
Schema	`port-mapping schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/port-mapping

port-mapping attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/port-mapping

port-mapping attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/port-mapping

port-mapping attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/port-mapping

port-mapping attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/port-mapping

port-mapping attributes

port-mapping attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	nat-ip	ipv4-address	nat-ip
	nat-port	number	nat-port
	mapping-list		mapping-list
	partition	string	partition
	inside-user-v4	ipv4-address	inside-user-v4
	inside-user-v6	ipv6-address	inside-user-v6

2.19.47 cgnv6 fixed-nat port-mapping-files

Fixed NAT Port Mapping Files

port-mapping-files Specification

Type	*Configuration Resource*
Element Name	port-mapping-files
Element URI	/axapi/v3/cgnv6/fixed-nat/port-mapping-files
Element Attributes	port-mapping-files_attributes
Operational Data URI	/axapi/v3/cgnv6/fixed-nat/port-mapping-files/oper
Schema	`port-mapping-files schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/port-mapping-files

port-mapping-files attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/port-mapping-files

port-mapping-files attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/port-mapping-files

port-mapping-files attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/port-mapping-files

port-mapping-files attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/port-mapping-files

port-mapping-files attributes

port-mapping-files attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	contain-case-sensitive	string	contain-case-sensitive
	type	enum	Output contains one of the following values: - all, archive, regular
	file-list		file-list
	contain	string	contain

2.19.48 cgnv6 fixed-nat user-quota

Fixed NAT Quota Usage

user-quota Specification

Type	*Configuration Resource*
Element Name	user-quota
Element URI	/axapi/v3/cgnv6/fixed-nat/user-quota
Element Attributes	user-quota_attributes
Operational Data URI	/axapi/v3/cgnv6/fixed-nat/user-quota/oper
Schema	`user-quota schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/fixed-nat/user-quota

user-quota attributes

Get Object

GET

/axapi/v3/cgnv6/fixed-nat/user-quota

user-quota attributes

Modify Object

POST

/axapi/v3/cgnv6/fixed-nat/user-quota

user-quota attributes

Replace Object

PUT

/axapi/v3/cgnv6/fixed-nat/user-quota

user-quota attributes

Delete Object

DELETE

/axapi/v3/cgnv6/fixed-nat/user-quota

user-quota attributes

user-quota attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	inside-user-v6	ipv6-address	inside-user-v6
	inside-user-v4	ipv4-address	inside-user-v4
	partition	string	partition
	quota-usage-list		quota-usage-list

2.19.49 cgnv6 global

CGN global paramters

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/global

global attributes

```
POST /axapi/v3/cgnv6/global
Payload:
{
    "global": {
        "port-scan-detection": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/global

global attributes

```
GET /axapi/v3/cgnv6/global
Reponse:
{
    "global": {
        "port-scan-detection": "enable",
        "ping-sweep-detection": "disable",
        "uuid": "5abe4fd4-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/global

global attributes

```
PUT /axapi/v3/cgnv6/global
Payload:
{
    "global": {
        "port-scan-detection": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/global

global attributes

```
DELETE /axapi/v3/cgnv6/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp-total-ports-allocated': Total TCP ports allocated; 'udp-total-ports-allocated': Total UDP ports allocated; 'icmp-total-ports-allocated': Total ICMP ports allocated;

Type: string

Supported Values: all, tcp-total-ports-allocated, udp-total-ports-allocated, icmp-total-ports-allocated

stats data

	Counter	Size	Description
	udp-total-ports-allocated	8	Total UDP ports allocated
	icmp-total-ports-allocated	8	Total ICMP ports allocated
	tcp-total-ports-allocated	8	Total TCP ports allocated

2.19.50 cgnv6 http-alg

HTTP-ALG Statistics

http-alg Specification

Type	*Configuration Resource*
Element Name	http-alg
Element URI	/axapi/v3/cgnv6/http-alg
Element Attributes	http-alg_attributes
Statistics Data URI	/axapi/v3/cgnv6/http-alg/stats
Schema	`http-alg schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/http-alg

http-alg attributes

```
POST /axapi/v3/cgnv6/http-alg
Payload:
{
    "http-alg": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/http-alg

http-alg attributes

```
GET /axapi/v3/cgnv6/http-alg
Reponse:
{
    "http-alg": {
        "uuid": "5abf9b6e-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/http-alg"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/http-alg

http-alg attributes

Replace Object

PUT

/axapi/v3/cgnv6/http-alg

http-alg attributes

```
PUT /axapi/v3/cgnv6/http-alg
Payload:
```

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```
{
    "http-alg": {
        "sampling-enable": [
            {
                "counters1": "request-processed"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/http-alg

http-alg attributes

```
DELETE /axapi/v3/cgnv6/http-alg
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

http-alg attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request-processed': HTTP Request Processed; 'request-insert-msisdn-performed': HTTP MSISDN Insertion Performed; 'request-insert-client-ip-performed': HTTP Client IP Insertion Performed; 'request-insert-msisdn-unavailable': Inserted MSISDN is 0000 (MSISDN Unavailable); 'queued-session-too-many': Queued Session Exceed Drop; 'radius-query-succeed': MSISDN Query Succeed; 'radius-query-failed': MSISDN Query

Failed; 'radius-requst-sent': Query Request Sent; 'radius-requst-dropped': Query Request Dropped; 'radius-response-received': Query Response Received; 'radius-response-dropped': Query Response Dropped; 'out-of-memory-dropped': Out-of-Memory Dropped; 'queue-len-exceed-dropped': Queue Length Exceed Dropped; 'out-of-order-dropped': Packet Out-of-Order Dropped; 'buff-resent': Packet Resent from Queue; 'buff-spilt-failed': Buff Split Failed; 'header-insertion-failed': Buff Insertion Failed; 'header-removal-failed': Buff Removal Failed; 'no-queue': No Queue;

Type: string

Supported Values: all, request-processed, request-insert-msisdn-performed, request-insert-client-ip-performed, request-insert-msisdn-unavailable, queued-session-too-many, radius-query-succeed, radius-query-failed, radius-requst-sent, radius-requst-dropped, radius-response-received, radius-response-dropped, out-of-memory-dropped, queue-len-exceed-dropped, out-of-order-dropped, buff-resent, buff-spilt-failed, header-insertion-failed, header-removal-failed, no-queue

stats data

	Counter	Size	Description
	radius-response-dropped	8	Query Response Dropped
	radius-requst-sent	8	Query Request Sent
	radius-requst-dropped	8	Query Request Dropped
	request-insert-client-ip-performed	8	HTTP Client IP Insertion Performed
	radius-query-succeed	8	MSISDN Query Succeed
	request-insert-msisdn-unavailable	8	Inserted MSISDN is 0000 (MSISDN Unavailable)
	queue-len-exceed-dropped	8	Queue Length Exceed Dropped
	out-of-order-dropped	8	Packet Out-of-Order Dropped
	request-processed	8	HTTP Request Processed
	request-insert-msisdn-performed	8	HTTP MSISDN Insertion Performed
	header-removal-failed	8	Buff Removal Failed
	radius-query-failed	8	MSISDN Query Failed
	header-insertion-failed	8	Buff Insertion Failed
	out-of-memory-dropped	8	Out-of-Memory Dropped
	queued-session-too-many	8	Queued Session Exceed Drop
	radius-response-received	8	Query Response Received

2.19.51 cgnv6 icmp

CGNV6 ICMP Statistics

icmp Specification

Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/cgnv6/icmp
Element Attributes	icmp_attributes
Statistics Data URI	/axapi/v3/cgnv6/icmp/stats
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/icmp

icmp attributes

```
POST /axapi/v3/cgnv6/icmp
Payload:
{
    "icmp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/icmp

icmp attributes

```
GET /axapi/v3/cgnv6/icmp
Reponse:
{
    "icmp": {
        "uuid": "5abf9aba-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/icmp"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/cgnv6/icmp

icmp attributes

```
PUT /axapi/v3/cgnv6/icmp
Payload:
{
    "icmp": {
        "sampling-enable": [
            {
                "counters1": "icmp-unknown-type"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/icmp

icmp attributes

```
DELETE /axapi/v3/cgnv6/icmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'icmp-unknown-type': ICMP Unknown Type; 'icmp-no-port-info': ICMP Port Info Not Included; 'icmp-no-session-drop': ICMP No Matching Session Drop; 'icmpv6-unknown-type': ICMPv6 Unknown Type; 'icmpv6-no-port-info': ICMPv6 Port Info Not Included; 'icmpv6-no-session-drop': ICMPv6 No Matching Session Drop; 'icmp-to-icmp': ICMP to ICMP Conversion; 'icmp-to-icmpv6': ICMP to ICMPv6 Conversion; 'icmpv6-to-icmp': ICMPv6 to ICMP Conversion; 'icmpv6-to-icmpv6': ICMPv6 to ICMPv6 Conversion; 'icmp-bad-type': Bad Embedded ICMP Type; 'icmpv6-bad-type': Bad Embedded ICMPv6 Type; '64-known-drop': NAT64 Forward Known ICMPv6 Drop; '64-unknown-drop': NAT64 Forward Unknown ICMPv6 Drop; '64-midpoint-hop': NAT64 Forward Unknown Source Drop; '46-known-drop': NAT64 Reverse Known ICMP Drop; '46-unknown-drop': NAT64 Reverse Known ICMPv6 Drop; '46-no-prefix-for-ipv4': NAT64 Reverse No Prefix Match for IPv4; '46-bad-encap-ip-header-len': 4to6 Bad Encapsulated IP Header Length; 'icmp-to-icmp-err': ICMP to ICMP Conversion Error; 'icmp-to-icmpv6-err': ICMP to ICMPv6 Conversion Error; 'icmpv6-to-icmp-err': ICMPv6 to ICMP Conversion Error; 'icmpv6-to-icmpv6-err': ICMPv6 to ICMPv6 Conversion Error; 'encap-cross-cpu-no-match': ICMP Embedded Cross CPU No Matching Session; 'encap-cross-cpu-preprocess-err': ICMP Embedded Cross CPU Preprocess Error; 'icmp-to-icmp-unknown-l4': ICMP Embedded Unknown L4 Protocol; 'icmp-to-icmpv6-unknown-l4': ICMP to ICMPv6 Embedded Unknown L4 Protocol; 'icmpv6-to-icmp-unknown-l4': ICMPv6 to ICMP Embedded Unknown L4 Protocol; 'icmpv6-to-icmpv6-unknown-l4': ICMPv6 to ICMPv6 Embedded Unknown L4 Protocol; 'static-nat': ICMP Static NAT; 'echo-to-pool-reply': Ping to Pool Reply; 'echo-to-pool-drop': Ping to Pool Drop; 'error-to-pool-drop': Error to Pool Drop; 'echo-to-pool-reply-v6': Ping6 to Pool Reply; 'echo-to-pool-drop-v6': Ping6 to Pool Drop; 'error-to-pool-drop-v6': Error to IPv6 Pool Drop;

Type: string

Supported Values: all, icmp-unknown-type, icmp-no-port-info, icmp-no-session-drop, icmpv6-unknown-type, icmpv6-no-port-info, icmpv6-no-session-drop, icmp-to-icmp, icmp-to-icmpv6, icmpv6-to-icmp, icmpv6-to-icmpv6, icmp-bad-type, icmpv6-bad-type, 64-known-drop, 64-unknown-drop, 64-midpoint-hop, 46-known-drop, 46-unknown-drop, 46-no-prefix-for-ipv4, 46-bad-encap-ip-header-len, icmp-to-icmp-err, icmp-to-icmpv6-err, icmpv6-to-icmp-err, icmpv6-to-icmpv6-err, encap-cross-cpu-no-match, encap-cross-cpu-preprocess-err, icmp-to-icmp-unknown-l4, icmp-to-icmpv6-unknown-l4, icmpv6-to-icmp-unknown-l4, icmpv6-to-icmpv6-unknown-l4, static-nat, echo-to-pool-reply, echo-to-pool-drop, error-to-pool-drop, echo-to-pool-reply-v6, echo-to-pool-drop-v6, error-to-pool-drop-v6, error-ip-mismatch

stats data

	Counter	Size	Description
	46-no-prefix-for-ipv4	8	NAT64 Reverse No Prefix Match for IPv4
	icmp-bad-type	8	Bad Embedded ICMP Type
	64-known-drop	8	NAT64 Forward Known ICMPv6 Drop
	icmpv6-no-port-info	8	ICMPv6 Port Info Not Included
	46-unknown-drop	8	NAT64 Reverse Known ICMPv6 Drop
	icmpv6-no-session-drop	8	ICMPv6 No Matching Session Drop
	icmp-unknown-type	8	ICMP Unknown Type
	icmpv6-unknown-type	8	ICMPv6 Unknown Type
	icmpv6-bad-type	8	Bad Embedded ICMPv6 Type
	icmp-to-icmpv6-err	8	ICMP to ICMPv6 Conversion Error
	46-known-drop	8	NAT64 Reverse Known ICMP Drop
	64-unknown-drop	8	NAT64 Forward Unknown ICMPv6 Drop
	icmp-no-port-info	8	ICMP Port Info Not Included
	icmpv6-to-icmp	8	ICMPv6 to ICMP Conversion
	icmpv6-to-icmpv6-err	8	ICMPv6 to ICMPv6 Conversion Error
	icmp-to-icmp	8	ICMP to ICMP Conversion
	icmpv6-to-icmpv6	8	ICMPv6 to ICMPv6 Conversion
	icmp-no-session-drop	8	ICMP No Matching Session Drop
	64-midpoint-hop	8	NAT64 Forward Unknown Source Drop
	icmpv6-to-icmp-err	8	ICMPv6 to ICMP Conversion Error
	icmp-to-icmp-err	8	ICMP to ICMP Conversion Error
	icmp-to-icmpv6	8	ICMP to ICMPv6 Conversion

2.19.52 cgnv6 l4

CGNV6 L4 Statistics

l4 Specification

Type	*Configuration Resource*
Element Name	l4
Element URI	/axapi/v3/cgnv6/l4
Element Attributes	l4_attributes
Statistics Data URI	/axapi/v3/cgnv6/l4/stats
Schema	`l4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/l4

l4 attributes

```
POST /axapi/v3/cgnv6/l4
Payload:
{
    "l4": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/l4

l4 attributes

```
GET /axapi/v3/cgnv6/l4
Reponse:
{
    "l4": {
        "uuid": "5abf99fc-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/l4"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/l4

l4 attributes

Replace Object

PUT

/axapi/v3/cgnv6/l4

l4 attributes

```
PUT /axapi/v3/cgnv6/l4
Payload:
{
    "l4": {
        "sampling-enable": [
            {
                "counters1": "no-fwd-route"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/l4

l4 attributes

```
DELETE /axapi/v3/cgnv6/l4
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

l4 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'no-fwd-route': No Forward Route for Session; 'no-rev-route': No Reverse Route for Session; 'out-of-session-memory': Out of Session Memory; 'tcp-rst-sent': TCP RST Sent; 'ipip-icmp-reply-sent': IPIP ICMP Echo Reply Sent; 'icmp-filtered-sent': ICMP Administratively Filtered Sent; 'icmp-host-unreachable-sent': ICMP Host Unreachable Sent; 'icmp-reply-no-session-drop': ICMP Reply No Session Drop; 'ipip-truncated': IPIP Truncated Packet; 'ip-src-invalid-unicast': IPv4 Source Not Valid Unicast; 'ip-dst-invalid-unicast': IPv4 Destination Not Valid Unicast; 'ipv6-src-invalid-unicast': IPv6 Source Not Valid Unicast; 'ipv6-dst-invalid-unicast': IPv6 Destination Not Valid Unicast; 'bad-l3-protocol': Bad Layer 3 Protocol; 'special-ipv4-no-route': Stateless IPv4 No Forward Route; 'special-ipv6-no-route': Stateless IPv6 No Forward Route; 'icmp-reply-sent': ICMP Echo Reply Sent; 'icmpv6-reply-sent': ICMPv6 Echo Reply Sent; 'out-of-state-dropped': L4 Out of State packets; 'ttl-exceeded-sent': ICMP TTL Exceeded Sent; 'cross-cpu-alg-gre-no-match': ALG GRE Cross CPU No Matching Session; 'cross-cpu-alg-gre-preprocess-err': ALG GRE Cross CPU Preprocess Error; 'lsn-fast-setup': LSN Fast Setup Attempt; 'lsn-fast-setup-err': LSN Fast Setup Error; 'lsn-fast-setup-delayed-err': LSN Fast Setup Delayed Error; 'lsn-fast-setup-mtu-too-small': LSN Fast Setup MTU Too Small; 'dst-nat-needed-drop': Destination NAT Needed Drop; 'invalid-nat64-translated-addr': Invalid NAT64 Translated IPv4 Address; 'tcp-rst-loop-drop': RST Loop Drop; 'static-nat-alloc': Static NAT Alloc; 'static-nat-free': Static NAT Free; 'process-l4': Process L4; 'preprocess-error': Preprocess Error; 'process-special': Process Special; 'process-continue': Process Continue; 'process-error': Process Error; 'ip-unknown-process': Process IP Unknown; 'src-nat-pool-not-found': Src NAT Pool Not Found; 'dst-nat-pool-not-found': Dst NAT Pool Not Found; 'l3-ip-src-invalid-unicast': IPv4 L3 Source Invalid Unicast; 'l3-ip-dst-invalid-unicast': IPv4 L3 Destination Invalid Unicast; 'l3-ipv6-src-invalid-unicast': IPv6 L3 Source Invalid Unicast; 'l3-ipv6-dst-invalid-unicast': IPv6 L3 Destination Invalid Unicast;

Type: string

Supported Values: all, no-fwd-route, no-rev-route, out-of-session-memory, tcp-rst-sent, ipip-icmp-reply-sent, icmp-filtered-sent, icmp-host-unreachable-sent, icmp-reply-no-session-drop, ipip-truncated, ip-src-invalid-unicast, ip-dst-invalid-unicast, ipv6-src-invalid-unicast, ipv6-dst-invalid-unicast, rate_drop_reset_unkn, bad-l3-protocol, special-ipv4-no-route, special-ipv6-no-route, icmp-reply-sent, icmpv6-reply-sent, out-of-state-dropped, ttl-exceeded-sent, cross-cpu-alg-gre-no-match, cross-cpu-alg-gre-preprocess-err, lsn-fast-setup, lsn-fast-setup-err, nat64-fast-setup, nat64-fast-setup-err, dslite-fast-setup, dslite-fast-setup-err, fast-setup-delayed-err, fast-setup-mtu-too-small, fixed-nat44-fast-setup, fixed-nat44-fast-setup-err, fixed-nat64-fast-setup, fixed-nat64-fast-setup-err, fixed-nat-dslite-fast-setup, fixed-nat-dslite-fast-setup-err, fixed-nat-fast-setup-delayed-err, fixed-nat-fast-setup-mtu-too-small, static-nat-fast-setup, static-nat-fast-setup-err, dst-nat-needed-drop, invalid-nat64-translated-addr, tcp-rst-loop-drop, static-nat-alloc, static-nat-free, process-l4, preprocess-error, process-special, process-continue, process-error, fw-match-no-rule-drop, ip-unknown-process, src-nat-pool-not-found, dst-nat-pool-not-found, l3-ip-src-invalid-unicast, l3-ip-dst-invalid-unicast, l3-ipv6-

src-invalid-unicast, l3-ipv6-dst-invalid-unicast, fw-zone-mismatch-rerouting-drop, nat-range-list-acl-deny, nat-range-list-acl-permit, fw-next-action-incorrect-drop

stats data

	Counter	Size	Description
	no-rev-route	8	No Reverse Route for Session
	tcp-rst-sent	8	TCP RST Sent
	icmp-reply-no-session-drop	8	ICMP Reply No Session Drop
	ipv6-src-invalid-unicast	8	IPv6 Source Not Valid Unicast
	icmp-filtered-sent	8	ICMP Administratively Filtered Sent
	ipv6-dst-invalid-unicast	8	IPv6 Destination Not Valid Unicast
	ipip-icmp-reply-sent	8	IPIP ICMP Echo Reply Sent
	ip-dst-invalid-unicast	8	IPv4 Destination Not Valid Unicast
	rate_drop_reset_8nkn	8	Rate Drop reset
	no-fwd-route	8	No Forward Route for Session
	ip-src-invalid-unicast	8	IPv4 Source Not Valid Unicast
	icmp-host-unreachable-sent	8	ICMP Host Unreachable Sent
	out-of-session-memory	8	Out of Session Memory
	ipip-truncated	8	IPIP Truncated Packet

2.19.53 cgnv6 logging

CGNV6 Logging Statistics

logging Specification

Type	*Configuration Resource*
Element Name	logging
Element URI	/axapi/v3/cgnv6/logging
Element Attributes	logging_attributes
Statistics Data URI	/axapi/v3/cgnv6/logging/stats
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/logging

logging attributes

```
POST /axapi/v3/cgnv6/logging
Payload:
{
    "logging": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/logging

logging attributes

```
GET /axapi/v3/cgnv6/logging
Reponse:
{
    "logging": {
        "uuid": "5abf9646-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "source-address": {
```

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```
            "uuid": "5abf96fa-5c04-11d9-835e-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/logging/source-address"
        },
        "tcp-svr-status": {
            "uuid": "5abf97b8-5c04-11d9-835e-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/logging/tcp-svr-status"
        },
        "nat-resource-exhausted": {
            "level": "critical",
            "uuid": "5abf9876-5c04-11d9-835e-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/logging/nat-resource-exhausted"
        },
        "nat-quota-exceeded": {
            "level": "warning",
            "uuid": "5abf9934-5c04-11d9-835e-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/logging/nat-quota-exceeded"
        },
        "a10-url": "/axapi/v3/cgnv6/logging"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/logging

logging attributes

Replace Object

PUT

/axapi/v3/cgnv6/logging

logging attributes

```
PUT /axapi/v3/cgnv6/logging
Payload:
{
    "logging": {
        "sampling-enable": [
            {
                "counters1": "tcp-session-created"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/logging

logging attributes

```
DELETE /axapi/v3/cgnv6/logging
```

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```
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

logging attributes

nat-quota-exceeded

Description: nat-quota-exceeded is a **JSON Block**. Please see below for *nat-quota-exceeded*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging/nat-quota-exceeded*

nat-resource-exhausted

Description: nat-resource-exhausted is a **JSON Block**. Please see below for *nat-resource-exhausted*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging/nat-resource-exhausted*

sampling-enable

Type: List

source-address

Description: source-address is a **JSON Block**. Please see below for *source-address*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging/source-address*

tcp-svr-status

Description: tcp-svr-status is a **JSON Block**. Please see below for *tcp-svr-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/logging/tcp-svr-status*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-svr-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-address

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-quota-exceeded

Specification	
Type	*object*

level

Description 'warning': Log level Warning (Default); 'critical': Log level Critical; 'notice': Log level Notice;

Type: string

Supported Values: warning, critical, notice

Default: warning

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp-session-created': TCP Session Created; 'tcp-session-deleted': TCP Session Deleted; 'tcp-port-allocated': TCP Port Allocated; 'tcp-port-freed': TCP Port Freed; 'tcp-port-batch-allocated': TCP Port Batch Allocated; 'tcp-port-batch-freed': TCP Port Batch Freed; 'udp-session-created': UDP Session Created; 'udp-session-deleted': UDP Session Deleted; 'udp-port-allocated': UDP Port Allocated; 'udp-port-freed': UDP Port Freed; 'udp-port-batch-allocated': UDP Port Batch Allocated; 'udp-port-batch-freed': UDP Port Batch Freed; 'icmp-session-created': ICMP Session Created; 'icmp-session-deleted': ICMP Session Deleted; 'icmp-resource-allocated': ICMP Resource Allocated; 'icmp-resource-freed': ICMP Resource Freed; 'icmpv6-session-created': ICMPV6 Session Created; 'icmpv6-session-deleted': ICMPV6 Session Deleted; 'icmpv6-resource-allocated': ICMPV6 Resource Allocated; 'icmpv6-resource-freed': ICMPV6 Resource Freed; 'gre-session-created': GRE Session Created; 'gre-session-deleted': GRE Session Deleted; 'gre-resource-allocated': GRE Resource Allocated; 'gre-resource-freed': GRE Resource Freed; 'esp-session-created': ESP Session Created; 'esp-session-deleted': ESP Session Deleted; 'esp-resource-allocated': ESP Resource Allocated; 'esp-resource-freed': ESP Resource Freed; 'fixed-nat-user-ports': Fixed NAT Inside User Port Mapping; 'fixed-nat-disable-config-logged': Fixed NAT Periodic Configs Logged; 'fixed-nat-disable-config-logs-sent': Fixed NAT Periodic Config Logs Sent; 'fixed-nat-periodic-config-logs-sent': Fixed NAT Disabled Configs Logged; 'fixed-nat-periodic-config-logged': Fixed NAT Disabled Config Logs Sent; 'log-sent': Log Packets Sent; 'log-dropped': Log Packets Dropped; 'conn-tcp-established': TCP Connection Established; 'conn-tcp-dropped': TCP Connection Lost; 'tcp-port-overloading-allocated': TCP Port Overloading Allocated; 'tcp-port-overloading-freed': TCP Port Overloading Freed; 'udp-port-overloading-allocated': UDP Port Overloading Allocated; 'udp-port-overloading-freed': UDP Port Overloading Freed; 'http-request-logged': HTTP Request Logged; 'out-of-buffers': Out of Buffers; 'add-msg-failed': Add Message to Buffer Failed; 'rtsp-port-allocated': RTSP UDP Port Allocated; 'rtsp-port-freed': RTSP UDP Port Freed; 'conn-tcp-create-failed': TCP Connection Failed; 'ipv4-frag-applied': IPv4 Fragmentation Applied; 'ipv4-frag-failed': IPv4 Fragmentation Failed; 'ipv6-frag-applied': IPv6 Fragmentation Applied; 'ipv6-frag-failed': IPv6 Fragmentation Failed;

Type: string

Supported Values: all, tcp-session-created, tcp-session-deleted, tcp-port-allocated, tcp-port-freed, tcp-port-batch-allocated, tcp-port-batch-freed, udp-session-created, udp-session-deleted, udp-port-allocated, udp-port-freed, udp-port-batch-allocated, udp-port-batch-freed, icmp-session-created, icmp-session-deleted, icmp-resource-allocated, icmp-resource-freed, icmpv6-session-created, icmpv6-session-deleted, icmpv6-resource-allocated, icmpv6-resource-freed, gre-session-created, gre-session-deleted, gre-resource-allocated, gre-resource-freed, esp-session-created, esp-session-deleted, esp-resource-allocated, esp-resource-freed, fixed-nat-user-ports, fixed-nat-disable-config-logged, fixed-nat-disable-config-logs-sent, fixed-nat-periodic-config-logs-sent, fixed-nat-periodic-config-logged, fixed-nat-interim-updated, enhanced-user-log, log-sent, log-dropped, conn-tcp-established, conn-tcp-dropped, tcp-port-overloading-allocated, tcp-port-overloading-freed, udp-port-overloading-allocated, udp-port-overloading-freed, http-request-logged, reduced-logs-by-destination, out-of-buffers, add-msg-failed, rtsp-port-allocated, rtsp-port-freed, conn-tcp-create-failed, ipv4-frag-applied, ipv4-frag-failed, ipv6-frag-applied, ipv6-frag-failed, interim-update-scheduled, interim-

update-schedule-failed, interim-update-terminated, interim-update-memory-freed, interim-update-no-buff-retried, tcp-port-batch-interim-updated, udp-port-batch-interim-updated, port-block-accounting-freed, port-block-accounting-allocated, log-message-too-long, http-out-of-order-dropped, http-alloc-failed, http-frag-merge-failed-dropped, http-malloc, http-mfree, http-spm-alloc-type0, http-spm-alloc-type1, http-spm-alloc-type2, http-spm-alloc-type3, http-spm-alloc-type4, http-spm-free-type0, http-spm-free-type1, http-spm-free-type2, http-spm-free-type3, http-spm-free-type4, iddos-l3-entry-create, iddos-l3-entry-delete, iddos-l4-entry-create, iddos-l4-entry-delete

nat-resource-exhausted

Specification	
Type	*object*

level

Description 'warning': Log level Warning; 'critical': Log level Critical (Default); 'notice': Log level Notice;

Type: string

Supported Values: warning, critical, notice

Default: critical

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	tcp-port-overloading-allocated	8	TCP Port Overloading Allocated
	iddos-l3-entry-create	8	iDDoS L3 Entry Created
	tcp-session-deleted	8	TCP Session Deleted
	gre-session-created	8	GRE Session Created
	icmpv6-resource-freed	8	ICMPV6 Resource Freed
	icmpv6-session-created	8	ICMPV6 Session Created

continues on next page

Table 2.5 – continued from previous page

	Counter	Size	Description
	fixed-nat-periodic-config-logs-sent	8	Fixed NAT Disabled Configs Logged
	udp-port-overloading-freed	8	UDP Port Overloading Freed
	tcp-session-created	8	TCP Session Created
	log-sent	8	Log Packets Sent
	udp-port-allocated	8	UDP Port Allocated
	conn-tcp-dropped	8	TCP Connection Lost
	esp-session-deleted	8	ESP Session Deleted
	udp-session-created	8	UDP Session Created
	iddos-l3-entry-delete	8	iDDoS L3 Entry Deleted
	iddos-l4-entry-delete	8	iDDoS L4 Entry Deleted
	gre-resource-allocated	8	GRE Resource Allocated
	udp-port-batch-freed	8	UDP Port Batch Freed
	fixed-nat-periodic-config-logged	8	Fixed NAT Disabled Config Logs Sent
	fixed-nat-disable-config-logged	8	Fixed NAT Periodic Configs Logged
	esp-resource-allocated	8	ESP Resource Allocated
	tcp-port-allocated	8	TCP Port Allocated
	http-request-logged	8	HTTP Request Logged
	enhanced-user-log	8	Enhanced User Log
	icmp-resource-allocated	8	ICMP Resource Allocated
	esp-session-created	8	ESP Session Created

continues on next page

Table 2.5 – continued from previous page

	Counter	Size	Description
	icmp-resource-freed	8	ICMP Resource Freed
	fixed-nat-interim-updated	8	Fixed NAT Interim Updated
	icmpv6-session-deleted	8	ICMPV6 Session Deleted
	udp-port-batch-interim-updated	8	UDP Port Batch Interim Updated
	tcp-port-overloading-freed	8	TCP Port Overloading Freed
	gre-resource-freed	8	GRE Resource Freed
	gre-session-deleted	8	GRE Session Deleted
	udp-port-overloading-allocated	8	UDP Port Overloading Allocated
	fixed-nat-user-ports	8	Fixed NAT Inside User Port Mapping
	tcp-port-freed	8	TCP Port Freed
	reduced-logs-by-destination	8	Reduced Logs by Destination Protocol and Port
	icmp-session-deleted	8	ICMP Session Deleted
	icmp-session-created	8	ICMP Session Created
	conn-tcp-established	8	TCP Connection Established
	fixed-nat-disable-config-logs-sent	8	Fixed NAT Periodic Config Logs Sent
	udp-port-batch-allocated	8	UDP Port Batch Allocated
	udp-port-freed	8	UDP Port Freed
	esp-resource-freed	8	ESP Resource Freed

continues on next page

Table 2.5 – continued from previous page

	Counter	Size	Description
	tcp-port-batch-freed	8	TCP Port Batch Freed
	log-dropped	8	Log Packets Dropped
	icmpv6-resource-allocated	8	ICMPV6 Resource Allocated
	tcp-port-batch-interim-updated	8	TCP Port Batch Interim Updated
	udp-session-deleted	8	UDP Session Deleted
	tcp-port-batch-allocated	8	TCP Port Batch Allocated
	iddos-l4-entry-create	8	iDDoS L4 Entry Created

2.19.54 cgnv6 logging nat-quota-exceeded

Change logging level for NAT Quota Exceeded

nat-quota-exceeded Specification

Type	*Configuration Resource*
Element Name	nat-quota-exceeded
Element URI	/axapi/v3/cgnv6/logging/nat-quota-exceeded
Element Attributes	nat-quota-exceeded_attributes
Schema	`nat-quota-exceeded schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/logging/nat-quota-exceeded

nat-quota-exceeded attributes

```
POST /axapi/v3/cgnv6/logging/nat-quota-exceeded
Payload:
{
    "nat-quota-exceeded": {
        "level": "warning"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/logging/nat-quota-exceeded

nat-quota-exceeded attributes

```
GET /axapi/v3/cgnv6/logging/nat-quota-exceeded
Reponse:
{
    "nat-quota-exceeded": {
        "level": "warning",
        "uuid": "5abf9934-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/logging/nat-quota-exceeded"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/logging/nat-quota-exceeded

nat-quota-exceeded attributes

Replace Object

PUT

/axapi/v3/cgnv6/logging/nat-quota-exceeded

nat-quota-exceeded attributes

```
PUT /axapi/v3/cgnv6/logging/nat-quota-exceeded
Payload:
{
    "nat-quota-exceeded": {
        "level": "warning"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/logging/nat-quota-exceeded

nat-quota-exceeded attributes

```
DELETE /axapi/v3/cgnv6/logging/nat-quota-exceeded
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

nat-quota-exceeded attributes

level

Description 'warning': Log level Warning (Default); 'critical': Log level Critical; 'notice': Log level Notice;

Type: string

Supported Values: warning, critical, notice

Default: warning

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.55 cgnv6 logging nat-resource-exhausted

Change logging level for NAT Resource Exhausted

nat-resource-exhausted Specification

Type	*Configuration Resource*
Element Name	nat-resource-exhausted
Element URI	/axapi/v3/cgnv6/logging/nat-resource-exhausted
Element Attributes	nat-resource-exhausted_attributes
Schema	`nat-resource-exhausted schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/logging/nat-resource-exhausted

nat-resource-exhausted attributes

```
POST /axapi/v3/cgnv6/logging/nat-resource-exhausted
Payload:
{
    "nat-resource-exhausted": {
        "level": "warning"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/logging/nat-resource-exhausted

nat-resource-exhausted attributes

```
GET /axapi/v3/cgnv6/logging/nat-resource-exhausted
Reponse:
{
    "nat-resource-exhausted": {
        "level": "warning",
        "uuid": "5abf9876-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/logging/nat-resource-exhausted"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/logging/nat-resource-exhausted

nat-resource-exhausted attributes

Replace Object

PUT

/axapi/v3/cgnv6/logging/nat-resource-exhausted

nat-resource-exhausted attributes

```
PUT /axapi/v3/cgnv6/logging/nat-resource-exhausted
Payload:
{
    "nat-resource-exhausted": {
        "level": "warning"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/logging/nat-resource-exhausted

nat-resource-exhausted attributes

```
DELETE /axapi/v3/cgnv6/logging/nat-resource-exhausted
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

nat-resource-exhausted attributes

level

Description 'warning': Log level Warning; 'critical': Log level Critical (Default); 'notice': Log level Notice;

Type: string

Supported Values: warning, critical, notice

Default: critical

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.56 cgnv6 logging source-address

source-address Specification

Type	*Configuration Resource*
Element Name	source-address
Element URI	/axapi/v3/cgnv6/logging/source-address
Element Attributes	source-address_attributes
Operational Data URI	/axapi/v3/cgnv6/logging/source-address/oper
Schema	`source-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/logging/source-address

source-address attributes

Get Object

GET

/axapi/v3/cgnv6/logging/source-address

source-address attributes

Modify Object

POST

/axapi/v3/cgnv6/logging/source-address

source-address attributes

Replace Object

PUT

/axapi/v3/cgnv6/logging/source-address

source-address attributes

Delete Object

DELETE

/axapi/v3/cgnv6/logging/source-address

source-address attributes

source-address attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	source-address-list		source-address-list

2.19.57 cgnv6 logging tcp-svr-status

tcp-svr-status Specification

Type	*Configuration Resource*
Element Name	tcp-svr-status
Element URI	/axapi/v3/cgnv6/logging/tcp-svr-status
Element Attributes	tcp-svr-status_attributes
Operational Data URI	/axapi/v3/cgnv6/logging/tcp-svr-status/oper
Schema	`tcp-svr-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/logging/tcp-svr-status

tcp-svr-status attributes

Get Object

GET

/axapi/v3/cgnv6/logging/tcp-svr-status

tcp-svr-status attributes

Modify Object

POST

/axapi/v3/cgnv6/logging/tcp-svr-status

tcp-svr-status attributes

Replace Object

PUT

/axapi/v3/cgnv6/logging/tcp-svr-status

tcp-svr-status attributes

Delete Object

DELETE

/axapi/v3/cgnv6/logging/tcp-svr-status

tcp-svr-status attributes

tcp-svr-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	tcp-svr-list		tcp-svr-list

2.19.58 cgnv6 lsn

Set Large-Scale NAT parameters

lsn Specification

Type	*Intermediate Resource*
Element Name	lsn
Element URI	/axapi/v3/cgnv6/lsn
Element Attributes	lsn_attributes
Schema	`lsn schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn

lsn_attributes

lsn attributes

alg

Description: alg is a **JSON Block**. Please see below for *alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg*

all-sessions

Description: all-sessions is a **JSON Block**. Please see below for *all-sessions*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/all-sessions*

data-sessions

Description: data-sessions is a **JSON Block**. Please see below for *data-sessions*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/data-sessions*

endpoint-independent-filtering

Description: endpoint-independent-filtering is a **JSON Block**. Please see below for *endpoint-independent-filtering*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-filtering*

endpoint-independent-mapping

Description: endpoint-independent-mapping is a **JSON Block**. Please see below for *endpoint-independent-mapping*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-mapping*

enhanced-user-tracking

Description: enhanced-user-tracking is a **JSON Block**. Please see below for *enhanced-user-tracking*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/enhanced-user-tracking*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *full-cone-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/global*

health-check-gateway-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/health-check-gateway/{ipv4-addr}+{ipv6-addr}*

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/inside*

per-instance

Description: per-instance is a **JSON Block**. Please see below for *per-instance*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/per-instance*

performance

Description: performance is a **JSON Block**. Please see below for *performance*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/performance*

port-overloading

Description: port-overloading is a **JSON Block**. Please see below for *port-overloading*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading*

port-reservation-entries

Description: port-reservation-entries is a **JSON Block**. Please see below for *port-reservation-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-reservation-entries*

port-reservation-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/port-reservation/{inside}+{inside-port-start}+{inside-port-end}+{nat}+{nat-port-start}+{nat-port-end}*

radius

Description: radius is a **JSON Block**. Please see below for *radius*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/radius*

stun-timeout

Description: stun-timeout is a **JSON Block**. Please see below for *stun-timeout*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/stun-timeout*

system-status

Description: system-status is a **JSON Block**. Please see below for *system-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/system-status*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/tcp*

user-quota-session

Description: user-quota-session is a **JSON Block**. Please see below for *user-quota-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/user-quota-session*

all-sessions

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

radius

Specification	
Type	*object*

server

Description: server is a **JSON Block**. Please see below for *radius_server*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/radius/server*

radius_server

Specification	
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated;

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *radius_server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

radius_server_remote

Specification	
Type	*object*

ip-list

Type: List

radius_server_remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

radius_server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'radius-table-full': RADIUS Request Dropped (Table Full); 'ha-standby-dropped': HA Standby Dropped; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received;

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

radius_server_attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

endpoint-independent-mapping

Specification	
Type	*object*

tcp

Description: tcp is a **JSON Block**. Please see below for *endpoint-independent-mapping_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *endpoint-independent-mapping_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp*

endpoint-independent-mapping_udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

endpoint-independent-mapping_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

endpoint-independent-mapping_tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

endpoint-independent-mapping_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

port-overloading

Specification	
Type	*object*

global

Description: global is a **JSON Block**. Please see below for *port-overloading_global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/global*

port-overloading-status

Description: port-overloading-status is a **JSON Block**. Please see below for *port-overloading_port-overloading-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status*

tcp

Description: tcp is a **JSON Block**. Please see below for *port-overloading_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *port-overloading_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/udp*

port-overloading_port-overloading-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-overloading_udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-overloading_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

port-overloading_global

Specification	
Type	*object*

allow-different-user

Description Allow different users to overload the same port (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unique

Description 'destination-address': Allow overloading when the destination addresses is unique; 'destination-address-and-port': Allow overloading when the destination address and port 2-tuple is unique (default);

Type: string

Supported Values: destination-address, destination-address-and-port

Default: destination-address-and-port

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-overloading_tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-overloading_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

system-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-check-gateway-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description Specify IPv4 Gateway

Type: string

Format: ipv4-address

ipv6-addr

Description Specify IPv6 Gateway

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg

Specification	
Type	*object*

esp

Description: esp is a **JSON Block**. Please see below for *alg_esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *alg_h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *alg_mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/pptp*

rtp

Description: rtp is a **JSON Block**. Please see below for *alg_rtp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/rtp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/tftp*

alg_ftp

Specification	
Type	*object*

ftp-value

Description 'disable': Disable FTP ALG for LSN;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'port-requests': PORT Requests From Client; 'eprt-requests': EPRT Requests From Client; 'lprt-requests': LPRT Requests From Client; 'pasv-replies': PASV Replies From Server; 'epsv-replies': EPSV Replies From Server; 'lpsv-replies': LPSV Replies From Server; 'port-retransmits': Port Mode Request Retransmits; 'pasv-retransmits': Passive Mode Reply Retransmits; 'port-helper-created': Port Mode Helper Created; 'pasv-helper-created': Passive Mode Helper Created; 'port-helper-freed': Port Mode Helper Freed; 'pasv-helper-freed': Passive Mode Helper Freed; 'port-helper-unused': Port Mode Helper Unused; 'pasv-helper-unused': Passive Mode Helper Unused; 'port-helper-creation-failure': Port Helper Creation Failure; 'pasv-helper-creation-failure': Passive Helper Creation Failure; 'get-conn-ext-failure': Get Conn Extension Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, port-requests, eprt-requests, lprt-requests, pasv-replies, epsv-replies, lpsv-replies, port-retransmits, pasv-retransmits, port-helper-created, pasv-helper-created, port-helper-freed, pasv-helper-freed, port-helper-unused, pasv-helper-unused, port-helper-creation-failure, pasv-helper-creation-failure, get-conn-ext-failure, smp-app-type-mismatch

alg_sip

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout in minutes (Default is 5 minutes)

Type: number

Range: 2-10

Default: 5

sampling-enable

Type: List

sip-value

Description 'enable': Enable SIP ALG for LSN;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'method-register': SIP Method REGISTER; 'method-invite': SIP Method INVITE; 'method-ack': SIP Method ACK; 'method-cancel': SIP Method CANCEL; 'method-bye': SIP Method BYE; 'method-options': SIP Method OPTIONS; 'method-prack': SIP Method PRACK; 'method-subscribe': SIP Method SUBSCRIBE; 'method-notify': SIP Method NOTIFY; 'method-publish': SIP Method PUBLISH; 'method-info': SIP Method INFO; 'method-refer': SIP Method REFER; 'method-message': SIP Method MESSAGE; 'method-update': SIP Method UPDATE; 'method-unknown': SIP Method UNKNOWN; 'parse-error': SIP Message Parse Error; 'req-uri-op-failrue': SIP Operate Request Uri Failure; 'via-hdr-op-failrue': SIP Operate Via Header Failure; 'contact-hdr-op-failrue': SIP Operate Contact Header Failure; 'from-hdr-op-failrue': SIP Operate From Header Failure; 'to-hdr-op-failrue': SIP Operate To Header Failure; 'route-hdr-op-failrue': SIP Operate Route Header Failure; 'record-route-hdr-op-failrue': SIP Operate Record-Route Header

Failure; 'content-length-hdr-op-failrue': SIP Operate Content-Length Failure; 'third-party-registration': SIP Third-Party Registration; 'conn-ext-creation-failure': SIP Create Connection Extension Failure; 'alloc-contact-port-failure': SIP Alloc Contact Port Failure; 'outside-contact-port-mismatch': SIP Outside Contact Port Mismatch NAT Port; 'inside-contact-port-mismatch': SIP Inside Contact Port Mismatch; 'third-party-sdp': SIP Third-Party SDP; 'sdp-process-candidate-failure': SIP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': SIP Operate SDP Failure; 'sdp-alloc-port-map-success': SIP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': SIP Alloc SDP Port Map Failure; 'modify-failure': SIP Message Modify Failure; 'rewrite-failure': SIP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, req-uri-op-failrue, via-hdr-op-failrue, contact-hdr-op-failrue, from-hdr-op-failrue, to-hdr-op-failrue, route-hdr-op-failrue, record-route-hdr-op-failrue, content-length-hdr-op-failrue, third-party-registration, conn-ext-creation-failure, alloc-contact-port-failure, outside-contact-port-mismatch, inside-contact-port-mismatch, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop, smp-conn-alloc-failure, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

alg_esp

Specification	
Type	*object*

esp-value

Description 'enable': Enable ESP ALG for LSN;

Type: string

Supported Values: enable, enable-with-ctrl

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, placeholder-debug, nat-ip-conflict

alg_pptp

Specification	
Type	*object*

pptp-value

Description 'enable': Enable PPTP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'mismatched-pns-call-id': Mismatched PNS Call ID; 'gre-sessions-created': GRE Sessions Created; 'gre-sessions-freed': GRE Sessions Freed; 'no-gre-session-match': No Matching GRE Session; 'smp-sessions-created': SMP Sessions Created; 'smp-sessions-freed': SMP Sessions Freed; 'smp-session-creation-failure': SMP Session Creation Failures; 'extension-creation-failure': Extension Creation Failures; 'ha-sent': HA Info Sent; 'ha-rcv': HA Info Received; 'ha-no-mem': HA

Memory Allocation Failure; 'ha-conflict': HA Call ID Conflicts; 'ha-overwrite': HA Call ID Overwrites; 'ha-call-sent': HA Call Sent; 'ha-call-rcv': HA Call Received; 'ha-smp-conflict': HA SMP Conflicts; 'ha-smp-in-del-q': HA SMP Deleted; 'smp-app-type-mismatch': SMP ALG App Type Mismatch; 'quota-inc': Quota Incremented; 'quota-dec': Quota Decremented; 'quota-inc-not-found': Quota Not Found on Increment; 'quota-dec-not-found': Quota Not Found on Decrement;

Type: string

Supported Values: all, calls-established, mismatched-pns-call-id, gre-sessions-created, gre-sessions-freed, no-gre-session-match, smp-sessions-created, smp-sessions-freed, smp-session-creation-failure, extension-creation-failure, ha-sent, ha-rcv, ha-no-mem, ha-conflict, ha-overwrite, ha-call-sent, ha-call-rcv, ha-smp-conflict, ha-smp-in-del-q, smp-app-type-mismatch, quota-inc, quota-dec, quota-inc-not-found, quota-dec-not-found, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-retransmit-wrong-control, call-reply-retransmit-acquired, call-reply-ext-alloc-failure, smp-client-call-id-mismatch, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

alg_rtsp

Specification	
Type	*object*

rtsp-value

Description 'enable': Enable RTSP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'streams-created': Streams Created; 'streams-freed': Streams Freed; 'stream-creation-failure': Stream Creation Failures; 'ports-allocated': Stream Client Ports Allocated; 'ports-freed': Stream Client Ports Freed; 'port-allocation-failure': Stream Client Port Allocation Failures; 'unknown-client-port-from-server': Server Replies With Unknown Client Ports; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'no-session-mem': Data Session Creation Failures; 'ha-sent': HA Sent; 'ha-rcv': HA RCV; 'smp-inserted': SMP Session Inserted; 'smp-removed': SMP Session Removed; 'smp-reused': SMP Session Reused; 'nat-pool-standby': New Session NAT Pool Standby; 'smp-deleted': New Session SMP Already Deleted; 'control-closed': New Session Closed; 'data-session-exists': New Session Already Exists; 'data-session-creation-failure': New Data Session Creation Failure; 'rtp-reversed': RTP Reverse Creation; 'rtcp-reversed': RTCP Reverse Creation; 'cross-cpu-sent': Cross CPU Sent; 'cross-cpu-rcv': Cross CPU Received; 'cross-cpu-no-session': Cross CPU No Session Found; 'cross-cpu-created': Cross CPU Creation; 'cross-cpu-rcv-failure': Cross CPU Receive Failure; 'data-free-smp-retry-lookup': Data Session Free SMP Retry Lookup; 'data-free-smp-not-found': Data Session Free SMP Not Found; 'ha-streams-sent': HA Streams Sent; 'ha-streams-rcv': HA Streams Received; 'ha-stream-incompatible': HA Incompatible Streams Received; 'ha-stream-exists': HA Stream Already Exists; 'ha-port-allocation-failure': HA Stream Port Allocation Failure; 'ha-data-session-sent': HA Data Session Sent; 'ha-data-session-rcv': HA Data Session Received; 'ha-data-no-smp': HA Data Session SMP Not Found; 'ha-control-closed': HA New Data Control Session Closed; 'ha-data-exists': HA New Data Session Already Exists; 'ha-extension-failure': HA Conn Extension Failure; 'ha-stream-smp-reused': HA SMP Session Reused; 'ha-stream-smp-acquire-failure': HA SMP Session Acquire Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, streams-created, streams-freed, stream-creation-failure, ports-allocated, ports-freed, port-allocation-failure, unknown-client-port-from-server, data-session-created, data-session-freed, no-session-mem, ha-sent, ha-rcv, smp-inserted, smp-removed, smp-reused, nat-pool-standby, smp-deleted, control-closed, data-session-exists, data-session-creation-failure, rtp-reversed, rtcp-reversed, cross-cpu-sent, cross-cpu-rcv, cross-cpu-no-session, cross-cpu-created, cross-cpu-rcv-failure, data-free-smp-retry-lookup, data-free-smp-not-found, ha-streams-sent, ha-streams-rcv, ha-stream-incompatible, ha-stream-exists, ha-port-allocation-failure, ha-data-session-sent, ha-data-session-rcv, ha-data-no-smp, ha-control-closed, ha-data-exists, ha-extension-failure, ha-stream-smp-reused, ha-stream-smp-acquire-failure, smp-app-type-mismatch

alg_h323

Specification	
Type	*object*

h323-value

Description 'enable': Enable H323 ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_h323_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'h225ras-message': H323 H225 RAS Message; 'h225cs-message': H323 H225 Call Signaling Message; 'h245ctl-message': H323 H245 Media Control Message; 'h245-tunneled': H323 H245 Tunnelled Message; 'fast-start': H323 FastStart; 'parse-error': Message Parse Error; 'message-cross-multi-packets': H323 Message Cross Multiple Packets; 'conn-ext-creation-failure': H323 Packet Rewrite Failure; 'rewrite-failure': H323 Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop; 'h245-dynamic-addr-exceed': H323 H245 Dynamic Address Exceed;

Type: string

Supported Values: all, h225ras-message, h225cs-message, h245ctl-message, h245-tunneled, fast-start, parse-error, message-cross-multi-packets, conn-ext-creation-failure, rewrite-failure, tcp-out-of-order-drop, h245-dynamic-addr-exceed

alg_rtp

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout (default: 5 minutes)}

Type: number

Range: 2-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp

Specification	
Type	*object*

sampling-enable

Type: List

tftp-value

Description 'enable': Enable TFTP ALG for LSN;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

alg_mgcp

Specification	
Type	*object*

mgcp-value

Description 'enable': Enable MGCP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_mgcp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auep': MGCP AUEP; 'aucx': MGCP AUCX; 'crcx': MGCP CRCX; 'dlcx': MGCP DLCX; 'epcf': MGCP EPCF; 'mdcx': MGCP MDCX; 'ntfy': MGCP NTFY; 'rqnt': MGCP RQNT; 'rsip': MGCP RSIP; 'parse-error': MGCP Message Parse Error; 'conn-ext-creation-failure': MGCP Create Connection Extension Failure; 'third-party-sdp': MGCP

Third-Party SDP; 'sdp-process-candidate-failure': MGCP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': MGCP Operate SDP Failure; 'sdp-alloc-port-map-success': MGCP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': MGCP Alloc SDP Port Map Failure; 'modify-failure': MGCP Message Modify Failure; 'rewrite-failure': MGCP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, auep, aucx, crcx, dlcx, epcf, mdcx, ntfy, rqnt, rsip, parse-error, conn-ext-creation-failure, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop

inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *inside_source*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/inside/source*

inside_source

Specification	
Type	*object*

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

attempt-port-preservation

Description 'disable': Don't attempt port preservation for NAT allocation;

Type: string

Supported Values: disable

enhanced-user-tracking

Description Enable enhanced user tracking and visibility (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hairpinning

Description 'filter-none': Allow self-hairpinning (default). Warning: Only applies to UDP. TCP will use filter-self-ip-port; 'filter-self-ip': Block hairpinning to the user's own IP; 'filter-self-ip-port': Block hairpinning to the user's same IP and port combination;

Type: string

Supported Values: filter-none, filter-self-ip, filter-self-ip-port

Default: filter-none

half-close-timeout

Description Set LSN Half close timeout (Half close timeout in seconds (default not set))

Type: number

Range: 2-3000

icmp

Description: icmp is a **JSON Block**. Please see below for *global_icmp*

Type: Object

inbound-refresh

Description 'disable': Disable NAT Inbound Refresh Behavior;

Type: string

Supported Values: disable

ip-selection

Description 'random': Random (long-run uniformly distributed) NAT IP selection (default); 'round-robin': Round-robin; 'least-used-strict': Fewest NAT ports used; 'least-udp-used-strict': Fewest UDP NAT ports used; 'least-tcp-used-strict': Fewest TCP NAT ports used; 'least-reserved-strict': Fewest NAT ports reserved; 'least-udp-reserved-strict': Fewest UDP NAT ports reserved; 'least-tcp-reserved-strict': Fewest TCP NAT ports reserved; 'least-users-strict': Fewest number of users;

Type: string

Supported Values: random, round-robin, least-used-strict, least-udp-used-strict, least-tcp-used-strict, least-reserved-strict, least-udp-reserved-strict, least-tcp-reserved-strict, least-users-strict

Default: random

logging

Description: logging is a **JSON Block**. Please see below for *global_logging*

Type: Object

port-batching

Description: port-batching is a **JSON Block**. Please see below for *global_port-batching*

Type: Object

sampling-enable

Type: List

strictly-sticky-nat

Description Strictly adheres to sticky-nat (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-timeout

Description Set LSN SYN timeout (SYN idle-timeout in seconds (default: 4 seconds))

Type: number

Range: 2-30

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

global_logging

Specification	
Type	*object*

default-template

Description Bind the default NAT logging template for LSN (Bind a NAT logging template)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/logging*

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Refernce Object: */axapi/v3/partition*

pool

Type: List

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

global_logging_pool

Specification	
Type	*list*
Block object keys	

pool-name

Description NAT pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/nat/pool*

template

Description Bind a NAT logging template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/logging*

global_port-batching

Specification	
Type	*object*

size

Description '1': Allocate 1 port at a time (default); '8': Allocate 8 ports at a time; '16': Allocate 16 ports at a time; '32': Allocate 32 ports at a time; '64': Allocate 64 ports at a time; '128': Allocate 128 ports at a time; '256': Allocate 256 ports at a time; '512': Allocate 512 ports at a time;

Type: string

Supported Values: 1, 8, 16, 32, 64, 128, 256, 512

Default: 1

tcp-time-wait-interval

Description Minutes before TCP NAT ports can be reused (default: 2)

Type: number

Range: 0-10

Default: 2

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': Total TCP Ports Freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded': Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched; 'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'ha_nat_pool_batch_type_mismatch': HA NAT Pool Batch Type Mismatch; 'no_radius_profile_match': No RADIUS Profile Match; 'nat_ip_max_tcp_ports_allocated': NAT IP TCP Max Ports Allocated; 'nat_ip_max_udp_ports_allocated': NAT IP UDP Max Ports Allocated; 'no_class_list_match': No Class-List Match; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'fullcone_in_del_q': Full-cone session found in delete queue; 'fullcone_retry_lookup': Full-cone session retry look-up; 'fullcone_not_found': Full-cone session not found; 'nat_port_double_free': NAT Port Double Free; 'nat_port_chunk_freed_from_cpu': NAT Port Chunks Freed From CPU; 'nat_port_freed_from_diff_cpu': NAT Port Freed On Different CPU; 'nat_pool_deleted': NAT Pool Deleted; 'nat_esp_ip_conflicts': LSN NAT ESP IP Conflicts; 'nat_esp_no_control_sesn': LSN NAT ESP No Control Session; 'esp_user_quota_exceeded': ESP User-Quota exceeded; 'udp_alg_user_quota_exceeded': UDP ALG User-Quota exceeded; 'gre_user_quota_exceeded': GRE User-Quota exceeded; 'ha_classlist_mismatch': HA Class-list Mismatch; 'ha_user_quota_mismatch': HA User-Quota Mismatch; 'ha_fullcone_mismatch': HA Full-cone Mismatch; 'ha_port_mismatch': HA Port Mismatch; 'ha_dnat_mismatch': HA Destination NAT Config Mismatch; 'ha_nat_port_unavailable': HA NAT Port Unavailable; 'ha_unknown_nat_ip': HA Unknown NAT IP; 'ha_fullcone_failure': HA Full-cone Session Failure; 'ha_fullcone_create_race_failure':

HA Full-cone Create Race Failure; 'ha_endpoint_indep_map_match': HA Endpoint-independent Matching; 'standby_class_list_drop': HA Standby Class-List drop; 'bad_tuple_nat_ip': Bad NAT IP from tuple; 'bad_smp_tuple_nat_ip': Bad NAT IP from SMP tuple; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'fullcone_overflow_eim': Full-cone Session EIM Overflow; 'full-cone_overflow_eif': Full-cone Session EIF Overflow; 'cross_cpu_helper_created': Cross CPU Session Helper Created; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper NAT Pool Standby; 'cross_cpu_helper_double_add': Cross CPU Helper Double Add Attempt; 'mtu_exceeded': Packet Exceeded MTU; 'frag': Fragmented Packets; 'dslite_tunnel_frag': IPv4 Fragment DS-Lite Packet; 'sixrd_tunnel_frag': IPv6 Fragment IPv6-in-IPv4 Packet; 'frag_icmp': ICMP Packet Too Big Sent; 'frag_tunnel_icmp': DS-Lite ICMP Packet Too Big Sent; 'quota_ext_mem_allocated': Quota Extension Memory Allocated; 'quota_ext_mem_alloc_failure': Quota Extension Out of Memory; 'quota_ext_mem_freed': Quota Extension Memory Freed; 'quota_ext_put_in_del_q': Quota Extension Put in Delete Queue; 'port_batch_num_mismatch': Specific Port Batch Num Ports Mismatch; 'port_batch_interval_mismatch': Specific Port Batch Port Interval Mismatch; 'port_pair_alloc_bad_math': Port Pair Alloc Bad Math; 'free_port_from_quota_no_container': Free Port from Quota No Container; 'free_port_from_quota_no_port_info': Free Port From Quota No Port Info; 'static_nat_cross_cpu_helper_created': Cross CPU Helper Created for Static NAT; 'static_nat_cross_cpu_helper_deleted': Cross CPU Helper Deleted for Static NAT; 'static_nat_cross_cpu_helper_standby': Cross CPU Helper Static NAT Standby; 'static_nat_cross_cpu_helper_cpu_mismatch': Static NAT Cross CPU Helper CPU Mismatch; 'static_nat_cross_cpu_sent': Static NAT Cross CPU Helper Sent; 'static_nat_cross_cpu_rcv': Static NAT Cross CPU Helper Packets Received; 'static_nat_cross_cpu_bad_l3': Static NAT Cross CPU Unsupported L3; 'static_nat_cross_cpu_bad_l4': Static NAT Cross CPU Unsupported L4; 'static_nat_cross_cpu_no_session': Static NAT Cross CPU No Session Found; 'static_nat_cross_cpu_helper_free': Static NAT Cross CPU Helper Free; 'static_nat_cross_cpu_helper_free_retry_lookup': Static NAT Cross CPU Helper Free Retry Lookup; 'static_nat_cross_cpu_helper_free_not_found': Static NAT Cross CPU Helper Free Not Found; 'static_nat_ha_map_mismatch': Static NAT Mapping Mismatch on HA Standby; 'ip_slb_cross_cpu_sent': IP SLB Cross CPU Packets Sent; 'fullcone_force_deleted': Full-cone Session Force Deleted; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created,

data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp, new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, fullcone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, nat_ip_max_tcp_ports_allocated, nat_ip_max_udp_ports_allocated, no_class_list_match, lid_drop, lid_pass_through, fullcone_in_del_q, fullcone_retry_lookup, fullcone_not_found, nat_port_double_free, nat_port_chunk_freed_from_cpu, nat_port_freed_from_diff_cpu, nat_pool_deleted, nat_esp_ip_conflicts, nat_esp_no_control_sesn, esp_user_quota_exceeded, udp_alg_user_quota_exceeded, gre_user_quota_exceeded, ha_classlist_mismatch, ha_user_quota_mismatch, ha_fullcone_mismatch, ha_port_mismatch, ha_dnat_mismatch, ha_nat_port_unavailable, ha_unknown_nat_ip, ha_fullcone_failure, ha_fullcone_create_race_failure, ha_endpoint_indep_map_match, standby_class_list_drop, bad_tuple_nat_ip, bad_smp_tuple_nat_ip, fullcone_inbound_nat_pool_mismatch, fullcone_overflow_eim, fullcone_overflow_eif, cross_cpu_helper_created, cross_cpu_sent, cross_cpu_rcv, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_free, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found, cross_cpu_helper_deleted, cross_cpu_helper_cpu_mismatch, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_double_add, mtu_exceeded, frag, dslite_tunnel_frag, sixrd_tunnel_frag, frag_icmp, frag_tunnel_icmp, quota_ext_mem_allocated, quota_ext_mem_alloc_failure, quota_ext_mem_freed, quota_ext_put_in_del_q, port_batch_num_mismatch, port_batch_interval_mismatch, port_pair_alloc_bad_math, free_port_from_quota_no_container, free_port_from_quota_no_port_info, static_nat_cross_cpu_helper_created, static_nat_cross_cpu_helper_deleted, static_nat_cross_cpu_helper_standby, static_nat_cross_cpu_helper_cpu_mismatch, static_nat_cross_cpu_sent, static_nat_cross_cpu_rcv, static_nat_cross_cpu_bad_l3, static_nat_cross_cpu_bad_l4, static_nat_cross_cpu_no_session, static_nat_cross_cpu_helper_free, static_nat_cross_cpu_helper_free_retry_lookup, static_nat_cross_cpu_helper_free_not_found, static_nat_ha_map_mismatch, ip_slb_cross_cpu_sent, fullcone_force_deleted, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped

counters2

Description 'user_quota_not_found': User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched;

'nat_port_unavailable_other': Other NAT Port Unavailable; 'nat_port_unavailable': Total NAT Port Unavailable; 'new_user_resource_unavailable_tcp': TCP New User NAT Resource Unavailable; 'new_user_resource_unavailable_udp': UDP New User NAT Resource Unavailable; 'new_user_resource_unavailable_icmp': ICMP New User NAT Resource Unavailable; 'new_user_resource_unavailable_other': Other New User NAT Resource Unavailable; 'total_tcp_allocated_shadow': Total TCP Ports Allocated; 'total_tcp_freed_shadow': Total TCP Ports Freed; 'total_udp_allocated_shadow': Total UDP Ports Allocated; 'total_udp_freed_shadow': Total UDP Ports Freed; 'total_icmp_allocated_shadow': Total ICMP Ports Allocated; 'total_icmp_freed_shadow': Total ICMP Ports Freed; 'udp_alg_no_quota': UDP ALG User-Quota Not Found; 'udp_alg_eim_mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp_alg_no_nat_ip': UDP ALG User-Quota Unknown NAT IP; 'udp_alg_alloc_failure': UDP ALG Port Allocation Failure; 'sip_alg_no_quota': SIP ALG User-Quota Not Found; 'sip_alg_quota_inc_failure': SIP ALG User-Quota Exceeded; 'sip_alg_no_nat_ip': SIP ALG Unknown NAT IP; 'sip_alg_reuse_contact_fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip_alg_contact_fullcone_mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip_alg_alloc_contact_port_failure': SIP ALG Alloc Contact NAT Port Failure; 'sip_alg_create_contact_fullcone_failure': SIP ALG Create Contact Full-cone Session Failure; 'sip_alg_release_contact_port_failure': SIP ALG Release Contact NAT Port Failure; 'sip_alg_single_rtp_fullcone': SIP ALG Single RTP Full-cone Found; 'sip_alg_single_rtcp_fullcone': SIP ALG Single RTCP Full-cone Found; 'sip_alg_rtcp_fullcone_mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip_alg_reuse_rtp_rtcp_fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip_alg_alloc_rtp_rtcp_port_failure': SIP ALG Alloc RTP/RTCP NAT Ports Failure; 'sip_alg_alloc_single_port_failure': SIP ALG Alloc Single RTP or RTCP NAT Port Failure; 'sip_alg_create_single_fullcone_failure': SIP ALG Create Single RTP or RTCP Full-cone Session Failure; 'sip_alg_create_rtp_fullcone_failure': SIP ALG Create RTP Full-cone Session Failure; 'sip_alg_create_rtcp_fullcone_failure': SIP ALG Create RTCP Full-cone Session Failure; 'sip_alg_port_pair_alloc_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_alloc_from_partition': SIP ALG Port Pair Allocated From Partition; 'sip_alg_port_pair_alloc_from_pool_port_batch': SIP ALG Port Pair Allocated From Pool Port Batch; 'sip_alg_port_pair_alloc_from_quota_consecutive': SIP ALG Port Pair Allocated From Quota Consecutive; 'sip_alg_port_pair_alloc_from_quota_partition': SIP ALG Port Pair Allocated From Quota Partition; 'sip_alg_port_pair_alloc_from_quota_partition_error': SIP ALG Port Pair Allocated From Quota Partition Error; 'sip_alg_port_pair_alloc_from_quota_pool_port_batch': SIP ALG Port Pair Allocated From Quota Pool Port Batch; 'sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag': SIP ALG Port Pair Allocated From Quota Port Batch Version 2 with Frag Free Ports; 'h323_alg_no_quota': H323 ALG User-Quota Not Found; 'h323_alg_quota_inc_failure': H323 ALG User-Quota Exceeded; 'h323_alg_no_nat_ip': H323 ALG Unknown NAT IP; 'h323_alg_reuse_fullcone': H323 ALG Reuse Full-cone Session; 'h323_alg_fullcone_mismatch': H323 ALG Full-cone Session Mismatch; 'h323_alg_alloc_port_failure': H323 ALG Alloc NAT Port Failure; 'h323_alg_create_fullcone_failure': H323 ALG Create Full-cone Session Failure; 'h323_alg_release_port_failure': H323 ALG Release NAT Port Failure; 'h323_alg_single_rtp_fullcone': H323 ALG Single RTP Full-cone Found; 'h323_alg_single_rtcp_fullcone': H323 ALG Single RTCP Full-cone Found; 'h323_alg_rtcp_fullcone_mismatch': H323 ALG RTCP Full-cone NAT Port Mismatch; 'h323_alg_reuse_rtp_rtcp_fullcone': H323 ALG Reuse RTP/RTCP Full-cone Session; 'h323_alg_alloc_rtp_rtcp_port_failure': H323 ALG Alloc RTP/RTCP NAT Ports Failure; 'h323_alg_alloc_single_port_failure': H323 ALG Alloc Single RTP or RTCP NAT Port Failure; 'h323_alg_create_single_fullcone_failure': H323 ALG Create Single RTP or RTCP Full-cone Session Failure; 'h323_alg_create_rtp_fullcone_failure': H323 ALG Create RTP Full-cone Session Fail-

ure; 'h323_alg_create_rtcp_fullcone_failure': H323 ALG Create RTCP Full-cone Session Failure; 'h323_alg_port_pair_alloc_from_consecutive': H323 ALG Port Pair Allocated From Consecutive; 'h323_alg_port_pair_alloc_from_partition': H323 ALG Port Pair Allocated From Partition; 'h323_alg_port_pair_alloc_from_pool_port_batch': H323 ALG Port Pair Allocated From Pool Port Batch; 'h323_alg_port_pair_alloc_from_quota_consecutive': H323 ALG Port Pair Allocated From Quota Consecutive; 'h323_alg_port_pair_alloc_from_quota_partition': H323 ALG Port Pair Allocated From Quota Partition; 'h323_alg_port_pair_alloc_from_quota_partition_error': H323 ALG Port Pair Allocated From Quota Partition Error; 'h323_alg_port_pair_alloc_from_quota_pool_port_batch': H323 ALG Port Pair Allocated From Quota Pool Port Batch; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free; 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota; 'quota_extension_remove_not_found': Quota Extension Not Found on Remove; 'ha_sync_port_batch_sent': HA Port Batch Extension Sync Sent; 'ha_sync_port_batch_rcv': HA Port Batch Extension Sync Received; 'ha_send_port_batch_not_found': HA Port Batch Not Found on Sync Send; 'ha_rcv_port_not_in_port_batch': HA Port Not in Port Batch on Sync Rcv; 'bad_port_to_free': Freeing Bad Port; 'consecutive_port_free': Port Freed from Consecutive Pool; 'partition_port_free': Port Freed from Partition; 'pool_port_batch_port_free': Port Freed from Pool Port Batch; 'port_allocated_from_quota_consecutive': Port Allocated from Quota Consecutive; 'port_allocated_from_quota_partition': Port Allocated from Quota Partition; 'port_allocated_from_quota_pool_port_batch': Port Allocated from Quota Pool Port Batch; 'port_freed_from_quota_consecutive': Port Freed from Quota Consecutive; 'port_freed_from_quota_partition': Port Freed from Quota Partition; 'port_freed_from_quota_pool_port_batch': Port Freed from Quota Pool Port Batch; 'port_batch_allocated_to_quota': Port Batch Allocated to Quota; 'port_batch_freed_from_quota': Port Batch Freed From Quota; 'specific_port_allocated_from_quota_consecutive': Specific Port Allocated from Quota Consecutive;

Type: string

Supported Values: user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, fullcone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure,

sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag, h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free, quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive

counters3

Description 'specific_port_allocated_from_quota_partition': Specific Port Allocated from Quota Partition; 'specific_port_allocated_from_quota_pool_port_batch': Specific Port Allocated from Quota Pool Port Batch; 'port_batch_container_alloc_failure': Port Batch Container Alloc Out of Memory; 'port_batch_container_alloc_race_free': Port Batch Container Race Free; 'port_overloading_destination_conflict': Port Overloading Destination Conflict; 'port_overloading_out_of_memory': Port Overloading Out of Memory; 'port_overloading_assign_user': Port Overloading Port Assign User; 'port_overloading_assign_user_port_batch': Port Overloading Port Assign User Port Batch; 'port_overloading_inc': Port Overloading Port Increment; 'port_overloading_dec_on_conflict': Port Overloading Port Decrement on Conflict; 'port_overloading_dec_on_free': Port Overloading Port Decrement on Free; 'port_overloading_free_port_on_conflict': Port Overloading Free Port on Conflict; 'port_overloading_free_port_batch_on_conflict': Port Overloading Free Port Batch on Conflict; 'port_overloading_inc_overflow': Port Overloading Inc Overflow; 'port_overloading_attempt_consecutive_ports': Port Overloading on Consecutive Ports; 'port_overloading_attempt_same_partition': Port Overloading on Same Partition; 'port_overloading_attempt_diff_partition': Port Overloading on Different Partition; 'port_overloading_attempt_failed': Port Overloading Attempt Failed; 'port_overloading_conn_free_retry_lookup': Port Overloading Conn Free Retry Lookup; 'port_overloading_conn_free_not_found': Port Overloading Conn Free Not Found; 'port_overloading_smp_mem_allocated': Port Overloading SMP Session Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading

SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'fullcone_ext_mem_freed': LSN Fullcone Extension Memory Freed; 'fullcone_ext_mem_allocated': LSN Fullcone Extension Memory Allocated; 'fullcone_ext_mem_alloc_failure': LSN Fullcone Extension Memory Allocate Failure; 'fullcone_ext_mem_alloc_init_faulure': LSN Fullcone Extension Initialization Failure; 'fullcone_ext_added': LSN Fullcone Extension Added; 'fullcone_ext_too_many': LSN Fullcone Extension Too Many; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found; 'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive;

'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'cross_cpu_helper_created_eim': EIM Cross CPU Session Helper Created; 'cross_cpu_helper_created_eif': EIF Cross CPU Session Helper Created; 'cross_cpu_helper_created_udp': UDP Cross CPU Session Helper Created; 'cross_cpu_helper_created_tcp': TCP Cross CPU Session Helper Created; 'cross_cpu_helper_created_icmp': ICMP Cross CPU Session Helper Created; 'cross_cpu_helper_created_ip': IP Cross CPU Session Helper Created; 'cross_cpu_helper_free_not_found_ip': IP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_icmp': ICMP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_tcp': TCP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_udp': UDP Cross CPU Helper Free Not Found; 'adc_port_allocation_failed': ADC Port Allocation Failed; 'adc_port_allocation_ineligible': ADC Port Allocation Not Allowed;

Type: string

Supported Values: specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports, port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success, nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, fullcone_ext_mem_freed, fullcone_ext_mem_allocated, fullcone_ext_mem_alloc_failure, fullcone_ext_mem_alloc_init_faulure, fullcone_ext_added, fullcone_ext_too_many, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone,

mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, cross_cpu_helper_created_eim, cross_cpu_helper_created_eif, cross_cpu_helper_created_udp, cross_cpu_helper_created_tcp, cross_cpu_helper_created_icmp, cross_cpu_helper_created_ip, cross_cpu_helper_free_not_found_ip, cross_cpu_helper_free_not_found_icmp, cross_cpu_helper_free_not_found_tcp, cross_cpu_helper_free_not_found_udp, adc_port_allocation_failed, adc_port_allocation_ineligible

counters4

Description 'acl_http_domain_node_exceeded': ACL HTTP Domain Node Exceeded; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP; 'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and

800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000;

Type: string

Supported Values: acl_http_domain_node_exceeded, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others, rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4

tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *tcp_mss-clamp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/tcp/mss-clamp*

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *tcp_reset-on-error*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/tcp/reset-on-error*

tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS; 'none': No TCP MSS clamping (default);

Type: string

Supported Values: fixed, subtract, none

Default: none

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)},

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

data-sessions

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-reservation-list

Specification	
Type	*list*
Block object keys	

inside

Description Inside User Address and Port Range (Inside User IP address)

Type: string

Format: ipv4-address

inside-port-end

Description Inside End Port

Type: number

Range: 1-65535

inside-port-start

Description Inside Start Port

Type: number

Range: 1-65535

nat

Description NAT IP address

Type: string

Format: ipv4-address

nat-port-end

Description NAT End Port

Type: number

Range: 1-65535

nat-port-start

Description NAT Start Port

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stun-timeout

Specification	
Type	*object*

tcp-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/stun-timeout/tcp/{port-start}+{port-end}*

udp-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/stun-timeout/udp/{port-start}+{port-end}*

stun-timeout_udp-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range (Port Range End)

Type: number

Range: 1-65535

port-start

Description Port Range (Port Range Start)

Type: number

Range: 1-65535

timeout

Description STUN timeout in minutes (default: 2 minutes)

Type: number

Range: 0-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stun-timeout_tcp-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range (Port Range End)

Type: number

Range: 1-65535

port-start

Description Port Range (Port Range Start)

Type: number

Range: 1-65535

timeout

Description STUN timeout in minutes (default: 2 minutes)

Type: number

Range: 0-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-quota-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

performance

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

performance_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'data-sessions-current-epoch': data-sessions-current-epoch; 'fullcone-created-current-epoch': fullcone-created-current-epoch; 'user-quote-created-current-epoch': user-quote-created-current-epoch; 'data-sessions-previous-epoch-first': data-sessions-previous-epoch-first; 'fullcone-created-previous-epoch-first': fullcone-created-previous-epoch-first; 'user-quote-created-previous-epoch-first': user-quote-created-previous-epoch-first; 'data-sessions-previous-epoch-last': data-sessions-previous-epoch-last; 'fullcone-created-previous-epoch-last': fullcone-created-previous-epoch-last; 'user-quote-created-previous-epoch-last': user-quote-created-previous-epoch-last;

Type: string

Supported Values: all, data-sessions-current-epoch, fullcone-created-current-epoch, user-quote-created-current-epoch, data-sessions-previous-epoch-first, fullcone-created-previous-epoch-first, user-quote-created-previous-epoch-first, data-sessions-previous-epoch-last, fullcone-created-previous-epoch-last, user-quote-created-previous-epoch-last

enhanced-user-tracking

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-reservation-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

endpoint-independent-filtering

Specification	
Type	*object*

tcp

Description: tcp is a **JSON Block**. Please see below for *endpoint-independent-filtering_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *endpoint-independent-filtering_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp*

endpoint-independent-filtering_udp

Specification	
Type	*object*

port-list

Type: List

session-limit

Description Limit number of EIF sessions that can be created per port

Type: number

Range: 1-65535

Default: 65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

endpoint-independent-filtering_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

endpoint-independent-filtering_tcp

Specification	
Type	*object*

port-list

Type: List

session-limit

Description Limit number of EIF sessions that can be created per port

Type: number

Range: 1-65535

Default: 65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

endpoint-independent-filtering_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

per-instance

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.59 cgnv6 lsn alg

Change LSN ALG Settings

alg Specification

Type	*Intermediate Resource*
Element Name	alg
Element URI	/axapi/v3/cgnv6/lsn/alg
Element Attributes	alg_attributes
Schema	`alg schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn/alg

alg_attributes

alg attributes

esp

Description: esp is a **JSON Block**. Please see below for *esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/pptp*

rtp

Description: rtp is a **JSON Block**. Please see below for *rtp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/rtp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/alg/tftp*

ftp

Specification	
Type	*object*

ftp-value

Description 'disable': Disable FTP ALG for LSN;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'port-requests': PORT Requests From Client; 'eprt-requests': EPRT Requests From Client; 'lprt-requests': LPRT Requests From Client; 'pasv-replies': PASV Replies From Server; 'epsv-replies': EPSV Replies From Server; 'lpsv-replies': LPSV Replies From Server; 'port-retransmits': Port Mode Request Retransmits; 'pasv-retransmits': Passive Mode Reply Retransmits; 'port-helper-created': Port Mode Helper Created; 'pasv-helper-created': Passive Mode Helper Created; 'port-helper-freed': Port Mode Helper Freed; 'pasv-helper-freed': Passive Mode Helper Freed; 'port-helper-unused': Port Mode Helper Unused; 'pasv-helper-unused': Passive Mode Helper Unused; 'port-helper-creation-failure': Port Helper Creation Failure; 'pasv-helper-creation-failure': Passive Helper Creation Failure; 'get-conn-ext-failure': Get Conn Extension Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, port-requests, eprt-requests, lprt-requests, pasv-replies, epsv-replies, lpsv-replies, port-retransmits, pasv-retransmits, port-helper-created, pasv-helper-created, port-helper-freed, pasv-helper-freed, port-helper-unused, pasv-helper-unused, port-helper-creation-failure, pasv-helper-creation-failure, get-conn-ext-failure, smp-app-type-mismatch

sip

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout in minutes (Default is 5 minutes)

Type: number

Range: 2-10

Default: 5

sampling-enable

Type: List

sip-value

Description 'enable': Enable SIP ALG for LSN;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'method-register': SIP Method REGISTER; 'method-invite': SIP Method INVITE; 'method-ack': SIP Method ACK; 'method-cancel': SIP Method CANCEL; 'method-bye': SIP Method BYE; 'method-options': SIP Method OPTIONS; 'method-prack': SIP Method PRACK; 'method-subscribe': SIP Method SUBSCRIBE; 'method-notify': SIP Method NOTIFY; 'method-publish': SIP Method PUBLISH; 'method-info': SIP Method INFO; 'method-refer': SIP Method REFER; 'method-message': SIP Method MESSAGE; 'method-update': SIP Method UPDATE; 'method-unknown': SIP Method UNKNOWN; 'parse-error': SIP Message Parse Error; 'req-uri-op-failrue': SIP Operate Request

Uri Failure; 'via-hdr-op-failrue': SIP Operate Via Header Failure; 'contact-hdr-op-failrue': SIP Operate Contact Header Failure; 'from-hdr-op-failrue': SIP Operate From Header Failure; 'to-hdr-op-failrue': SIP Operate To Header Failure; 'route-hdr-op-failrue': SIP Operate Route Header Failure; 'record-route-hdr-op-failrue': SIP Operate Record-Route Header Failure; 'content-length-hdr-op-failrue': SIP Operate Content-Length Failure; 'third-party-registration': SIP Third-Party Registration; 'conn-ext-creation-failure': SIP Create Connection Extension Failure; 'alloc-contact-port-failure': SIP Alloc Contact Port Failure; 'outside-contact-port-mismatch': SIP Outside Contact Port Mismatch NAT Port; 'inside-contact-port-mismatch': SIP Inside Contact Port Mismatch; 'third-party-sdp': SIP Third-Party SDP; 'sdp-process-candidate-failure': SIP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': SIP Operate SDP Failure; 'sdp-alloc-port-map-success': SIP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': SIP Alloc SDP Port Map Failure; 'modify-failure': SIP Message Modify Failure; 'rewrite-failure': SIP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, req-uri-op-failrue, via-hdr-op-failrue, contact-hdr-op-failrue, from-hdr-op-failrue, to-hdr-op-failrue, route-hdr-op-failrue, record-route-hdr-op-failrue, content-length-hdr-op-failrue, third-party-registration, conn-ext-creation-failure, alloc-contact-port-failure, outside-contact-port-mismatch, inside-contact-port-mismatch, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop, smp-conn-alloc-failure, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

esp

Specification	
Type	*object*

esp-value

Description 'enable': Enable ESP ALG for LSN;

Type: string

Supported Values: enable, enable-with-ctrl

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, placeholder-debug, nat-ip-conflict

pptp

Specification	
Type	*object*

pptp-value

Description 'enable': Enable PPTP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'mismatched-pns-call-id': Mismatched PNS Call ID; 'gre-sessions-created': GRE Sessions Created; 'gre-sessions-freed': GRE Sessions Freed; 'no-gre-session-match': No Matching GRE Session; 'smp-sessions-created': SMP Sessions Created; 'smp-sessions-freed': SMP Sessions Freed; 'smp-session-creation-failure': SMP Session Creation Failures; 'extension-creation-failure': Extension Creation Failures; 'ha-sent': HA Info Sent; 'ha-rcv': HA Info Received; 'ha-no-mem': HA

Memory Allocation Failure; 'ha-conflict': HA Call ID Conflicts; 'ha-overwrite': HA Call ID Overwrites; 'ha-call-sent': HA Call Sent; 'ha-call-rcv': HA Call Received; 'ha-smp-conflict': HA SMP Conflicts; 'ha-smp-in-del-q': HA SMP Deleted; 'smp-app-type-mismatch': SMP ALG App Type Mismatch; 'quota-inc': Quota Incremented; 'quota-dec': Quota Decremented; 'quota-inc-not-found': Quota Not Found on Increment; 'quota-dec-not-found': Quota Not Found on Decrement;

Type: string

Supported Values: all, calls-established, mismatched-pns-call-id, gre-sessions-created, gre-sessions-freed, no-gre-session-match, smp-sessions-created, smp-sessions-freed, smp-session-creation-failure, extension-creation-failure, ha-sent, ha-rcv, ha-no-mem, ha-conflict, ha-overwrite, ha-call-sent, ha-call-rcv, ha-smp-conflict, ha-smp-in-del-q, smp-app-type-mismatch, quota-inc, quota-dec, quota-inc-not-found, quota-dec-not-found, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-retransmit-wrong-control, call-reply-retransmit-acquired, call-reply-ext-alloc-failure, smp-client-call-id-mismatch, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

rtsp

Specification	
Type	*object*

rtsp-value

Description 'enable': Enable RTSP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'streams-created': Streams Created; 'streams-freed': Streams Freed; 'stream-creation-failure': Stream Creation Failures; 'ports-allocated': Stream Client Ports Allocated; 'ports-freed': Stream Client Ports Freed; 'port-allocation-failure': Stream Client Port Allocation Failures; 'unknown-client-port-from-server': Server Replies With Unknown Client Ports; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'no-session-mem': Data Session Creation Failures; 'ha-sent': HA Sent; 'ha-rcv': HA RCV; 'smp-inserted': SMP Session Inserted; 'smp-removed': SMP Session Removed; 'smp-reused': SMP Session Reused; 'nat-pool-standby': New Session NAT Pool Standby; 'smp-deleted': New Session SMP Already Deleted; 'control-closed': New Session Closed; 'data-session-exists': New Session Already Exists; 'data-session-creation-failure': New Data Session Creation Failure; 'rtp-reversed': RTP Reverse Creation; 'rtcp-reversed': RTCP Reverse Creation; 'cross-cpu-sent': Cross CPU Sent; 'cross-cpu-rcv': Cross CPU Received; 'cross-cpu-no-session': Cross CPU No Session Found; 'cross-cpu-created': Cross CPU Creation; 'cross-cpu-rcv-failure': Cross CPU Receive Failure; 'data-free-smp-retry-lookup': Data Session Free SMP Retry Lookup; 'data-free-smp-not-found': Data Session Free SMP Not Found; 'ha-streams-sent': HA Streams Sent; 'ha-streams-rcv': HA Streams Received; 'ha-stream-incompatible': HA Incompatible Streams Received; 'ha-stream-exists': HA Stream Already Exists; 'ha-port-allocation-failure': HA Stream Port Allocation Failure; 'ha-data-session-sent': HA Data Session Sent; 'ha-data-session-rcv': HA Data Session Received; 'ha-data-no-smp': HA Data Session SMP Not Found; 'ha-control-closed': HA New Data Control Session Closed; 'ha-data-exists': HA New Data Session Already Exists; 'ha-extension-failure': HA Conn Extension Failure; 'ha-stream-smp-reused': HA SMP Session Reused; 'ha-stream-smp-acquire-failure': HA SMP Session Acquire Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, streams-created, streams-freed, stream-creation-failure, ports-allocated, ports-freed, port-allocation-failure, unknown-client-port-from-server, data-session-created, data-session-freed, no-session-mem, ha-sent, ha-rcv, smp-inserted, smp-removed, smp-reused, nat-pool-standby, smp-deleted, control-closed, data-session-exists, data-session-creation-failure, rtp-reversed, rtcp-reversed, cross-cpu-sent, cross-cpu-rcv, cross-cpu-no-session, cross-cpu-created, cross-cpu-rcv-failure, data-free-smp-retry-lookup, data-free-smp-not-found, ha-streams-sent, ha-streams-rcv, ha-stream-incompatible, ha-stream-exists, ha-port-allocation-failure, ha-data-session-sent, ha-data-session-rcv, ha-data-no-smp, ha-control-closed, ha-data-exists, ha-extension-failure, ha-stream-smp-reused, ha-stream-smp-acquire-failure, smp-app-type-mismatch

h323

Specification	
Type	*object*

h323-value

Description 'enable': Enable H323 ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

h323_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'h225ras-message': H323 H225 RAS Message; 'h225cs-message': H323 H225 Call Signaling Message; 'h245ctl-message': H323 H245 Media Control Message; 'h245-tunneled': H323 H245 Tunnelled Message; 'fast-start': H323 FastStart; 'parse-error': Message Parse Error; 'message-cross-multi-packets': H323 Message Cross Multiple Packets; 'conn-ext-creation-failure': H323 Packet Rewrite Failure; 'rewrite-failure': H323 Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop; 'h245-dynamic-addr-exceed': H323 H245 Dynamic Address Exceed;

Type: string

Supported Values: all, h225ras-message, h225cs-message, h245ctl-message, h245-tunneled, fast-start, parse-error, message-cross-multi-packets, conn-ext-creation-failure, rewrite-failure, tcp-out-of-order-drop, h245-dynamic-addr-exceed

rtp

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout (default: 5 minutes)}

Type: number

Range: 2-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp

Specification	
Type	*object*

sampling-enable

Type: List

tftp-value

Description 'enable': Enable TFTP ALG for LSN;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

mgcp

Specification	
Type	*object*

mgcp-value

Description 'enable': Enable MGCP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mgcp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auep': MGCP AUEP; 'aucx': MGCP AUCX; 'crcx': MGCP CRCX; 'dlcx': MGCP DLCX; 'epcf': MGCP EPCF; 'mdcx': MGCP MDCX; 'ntfy': MGCP NTFY; 'rqnt': MGCP RQNT; 'rsip': MGCP RSIP; 'parse-error': MGCP Message Parse Error; 'conn-ext-creation-failure': MGCP Create Connection Extension Failure; 'third-party-sdp': MGCP

Third-Party SDP; 'sdp-process-candidate-failure': MGCP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': MGCP Operate SDP Failure; 'sdp-alloc-port-map-success': MGCP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': MGCP Alloc SDP Port Map Failure; 'modify-failure': MGCP Message Modify Failure; 'rewrite-failure': MGCP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, auep, aucx, crcx, dlcx, epcf, mdcx, ntfy, rqnt, rsip, parse-error, conn-ext-creation-failure, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop

2.19.60 cgnv6 lsn alg esp

Change LSN ESP ALG Settings

esp Specification

Type	*Configuration Resource*
Element Name	esp
Element URI	/axapi/v3/cgnv6/lsn/alg/esp
Element Attributes	esp_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/alg/esp/stats
Schema	`esp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/esp

esp attributes

```
POST /axapi/v3/cgnv6/lsn/alg/esp
Payload:
{
    "esp": {
        "esp-value": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/esp

esp attributes

```
GET /axapi/v3/cgnv6/lsn/alg/esp
Reponse:
{
    "esp": {
        "esp-value": "enable",
        "uuid": "5abe58f8-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/alg/esp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/esp

esp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/esp

esp attributes

```
PUT /axapi/v3/cgnv6/lsn/alg/esp
Payload:
{
    "esp": {
        "esp-value": "enable-with-ctrl"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/esp

esp attributes

```
DELETE /axapi/v3/cgnv6/lsn/alg/esp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

esp attributes

esp-value

Description 'enable': Enable ESP ALG for LSN;

Type: string

Supported Values: enable, enable-with-ctrl

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, placeholder-debug, nat-ip-conflict

stats data

	Counter	Size	Description
	session-created	8	ESP Sessions Created
	nat-ip-conflict	8	NAT IP Conflict

2.19.61 cgnv6 lsn alg ftp

Change LSN FTP ALG Settings

ftp Specification

Type	*Configuration Resource*
Element Name	ftp
Element URI	/axapi/v3/cgnv6/lsn/alg/ftp
Element Attributes	ftp_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/alg/ftp/stats
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/ftp

ftp attributes

```
POST /axapi/v3/cgnv6/lsn/alg/ftp
Payload:
{
    "ftp": {
        "ftp-value": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/ftp

ftp attributes

```
GET /axapi/v3/cgnv6/lsn/alg/ftp
Reponse:
{
    "ftp": {
        "ftp-value": "disable",
        "uuid": "5abe59b6-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/alg/ftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/ftp

ftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/ftp

ftp attributes

```
PUT /axapi/v3/cgnv6/lsn/alg/ftp
Payload:
{
    "ftp": {
        "ftp-value": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/ftp

ftp attributes

```
DELETE /axapi/v3/cgnv6/lsn/alg/ftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp attributes

ftp-value

Description 'disable': Disable FTP ALG for LSN;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'port-requests': PORT Requests From Client; 'eprt-requests': EPRT Requests From Client; 'lprt-requests': LPRT Requests From Client; 'pasv-replies': PASV Replies From Server; 'epsv-replies': EPSV Replies From Server; 'lpsv-replies': LPSV Replies From Server; 'port-retransmits': Port Mode Request Retransmits; 'pasv-retransmits': Passive Mode Reply Retransmits; 'port-helper-created': Port Mode Helper Created; 'pasv-helper-created': Passive Mode Helper Created; 'port-helper-freed': Port Mode Helper Freed; 'pasv-helper-freed': Passive Mode Helper Freed; 'port-helper-unused': Port Mode Helper Unused; 'pasv-helper-unused': Passive Mode Helper Unused; 'port-helper-creation-failure': Port Helper Creation Failure; 'pasv-helper-creation-failure': Passive Helper Creation Failure; 'get-conn-ext-failure': Get Conn Extension Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, port-requests, eprt-requests, lprt-requests, pasv-replies, epsv-replies, lpsv-replies, port-retransmits, pasv-retransmits, port-helper-created, pasv-helper-created, port-helper-freed, pasv-helper-freed, port-helper-unused, pasv-helper-unused, port-helper-creation-failure, pasv-helper-creation-failure, get-conn-ext-failure, smp-app-type-mismatch

stats data

	Counter	Size	Description
	lpsv-replies	8	LPSV Replies From Server
	port-requests	8	PORT Requests From Client
	epsv-replies	8	EPSV Replies From Server
	pasv-replies	8	PASV Replies From Server
	lprt-requests	8	LPRT Requests From Client
	eprt-requests	8	EPRT Requests From Client

2.19.62 cgnv6 lsn alg h323

Change LSN H323 ALG Settings

h323 Specification

Type	*Configuration Resource*
Element Name	h323
Element URI	/axapi/v3/cgnv6/lsn/alg/h323
Element Attributes	h323_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/alg/h323/stats
Schema	`h323 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/h323

h323 attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/h323

h323 attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/h323

h323 attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/h323

h323 attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/h323

h323 attributes

h323 attributes

h323-value

Description 'enable': Enable H323 ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'h225ras-message': H323 H225 RAS Message; 'h225cs-message': H323 H225 Call Signaling Message; 'h245ctl-message': H323 H245 Media Control Message; 'h245-tunneled': H323 H245 Tunnelled Message; 'fast-start': H323 FastStart; 'parse-error': Message Parse Error; 'message-cross-multi-packets': H323 Message Cross Multiple Packets; 'conn-ext-creation-failure': H323 Packet Rewrite Failure; 'rewrite-failure': H323 Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop; 'h245-dynamic-addr-exceed': H323 H245 Dynamic Address Exceed;

Type: string

Supported Values: all, h225ras-message, h225cs-message, h245ctl-message, h245-tunneled, fast-start, parse-error, message-cross-multi-packets, conn-ext-creation-failure, rewrite-failure, tcp-out-of-order-drop, h245-dynamic-addr-exceed

stats data

	Counter	Size	Description
	h225ras-message	8	H323 H225 RAS Message
	fast-start	8	H323 FastStart
	tcp-out-of-order-drop	8	TCP Out-of-Order Drop
	h225cs-message	8	H323 H225 Call Signaling Message
	h245-tunneled	8	H323 H245 Tunnelled Message
	parse-error	8	Message Parse Error
	h245ctl-message	8	H323 H245 Media Control Message

2.19.63 cgnv6 lsn alg mgcp

Change LSN MGCP ALG Settings

mgcp Specification

Type	*Configuration Resource*
Element Name	mgcp
Element URI	/axapi/v3/cgnv6/lsn/alg/mgcp
Element Attributes	mgcp_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/alg/mgcp/stats
Schema	`mgcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/mgcp

mgcp attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/mgcp

mgcp attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/mgcp

mgcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/mgcp

mgcp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/mgcp

mgcp attributes

mgcp attributes

mgcp-value

Description 'enable': Enable MGCP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'auep': MGCP AUEP; 'aucx': MGCP AUCX; 'crcx': MGCP CRCX; 'dlcx': MGCP DLCX; 'epcf': MGCP EPCF; 'mdcx': MGCP MDCX; 'ntfy': MGCP NTFY; 'rqnt': MGCP RQNT; 'rsip': MGCP RSIP; 'parse-error': MGCP Message Parse Error; 'conn-ext-creation-failure': MGCP Create Connection Extension Failure; 'third-party-sdp': MGCP Third-Party SDP; 'sdp-process-candidate-failure': MGCP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': MGCP Operate SDP Failure; 'sdp-alloc-port-map-success': MGCP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': MGCP Alloc SDP Port Map Failure; 'modify-failure': MGCP Message Modify Failure; 'rewrite-failure': MGCP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, auep, aucx, crcx, dlcx, epcf, mdcx, ntfy, rqnt, rsip, parse-error, conn-ext-creation-failure, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop

stats data

	Counter	Size	Description
	auep	8	MGCP AUEP
	mdcx	8	MGCP MDCX
	rsip	8	MGCP RSIP
	rqnt	8	MGCP RQNT
	ntfy	8	MGCP NTFY
	crcx	8	MGCP CRCX
	dlcx	8	MGCP DLCX
	tcp-out-of-order-drop	8	TCP Out-of-Order Drop
	epcf	8	MGCP EPCF
	parse-error	8	MGCP Message Parse Error
	aucx	8	MGCP AUCX

2.19.64 cgnv6 lsn alg pptp

Change LSN PPTP ALG Settings

pptp Specification

Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/cgnv6/lsn/alg/pptp
Element Attributes	pptp_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/alg/pptp/stats
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/pptp

pptp attributes

```
POST /axapi/v3/cgnv6/lsn/alg/pptp
Payload:
{
    "pptp": {
        "pptp-value": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/pptp

pptp attributes

```
GET /axapi/v3/cgnv6/lsn/alg/pptp
Reponse:
{
    "pptp": {
        "pptp-value": "enable",
        "uuid": "5abe5a74-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/alg/pptp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/pptp

pptp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/pptp

pptp attributes

```
PUT /axapi/v3/cgnv6/lsn/alg/pptp
Payload:
{
    "pptp": {
        "pptp-value": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/pptp

pptp attributes

```
DELETE /axapi/v3/cgnv6/lsn/alg/pptp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pptp attributes

pptp-value

Description 'enable': Enable PPTP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'mismatched-pns-call-id': Mismatched PNS Call ID; 'gre-sessions-created': GRE Sessions Created; 'gre-sessions-freed': GRE Sessions Freed; 'no-gre-session-match': No Matching GRE Session; 'smp-sessions-created': SMP Sessions Created; 'smp-sessions-freed': SMP Sessions Freed; 'smp-session-creation-failure': SMP Session Creation Failures; 'extension-creation-failure': Extension Creation Failures; 'ha-sent': HA Info Sent; 'ha-rcv': HA Info Received; 'ha-no-mem': HA Memory Allocation Failure; 'ha-conflict': HA Call ID Conflicts; 'ha-overwrite': HA Call ID Overwrites; 'ha-call-sent': HA Call Sent; 'ha-call-rcv': HA Call Received; 'ha-smp-conflict': HA SMP Conflicts; 'ha-smp-in-del-q': HA SMP Deleted; 'smp-app-type-mismatch': SMP ALG App Type Mismatch; 'quota-inc': Quota Incremented; 'quota-dec': Quota Decremented; 'quota-inc-not-found': Quota Not Found on Increment; 'quota-dec-not-found': Quota Not Found on Decrement;

Type: string

Supported Values: all, calls-established, mismatched-pns-call-id, gre-sessions-created, gre-sessions-freed, no-gre-session-match, smp-sessions-created, smp-sessions-freed, smp-session-creation-failure, extension-creation-failure, ha-sent, ha-rcv, ha-no-mem, ha-conflict, ha-overwrite, ha-call-sent, ha-call-rcv, ha-smp-conflict, ha-smp-in-del-q, smp-app-type-mismatch, quota-inc, quota-dec, quota-inc-not-found, quota-dec-not-found, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-retransmit-wrong-control, call-reply-retransmit-acquired, call-reply-ext-alloc-failure, smp-client-call-id-mismatch, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext,

gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

stats data

	Counter	Size	Description
	gre-sessions-created	8	GRE Sessions Created
	mismatched-pns-call-id	8	Mismatched PNS Call ID
	call-reply-pns-call-id-mismatch	8	Call ID Mismatch on Call Reply
	calls-established	8	Calls Established
	no-gre-session-match	8	No Matching GRE Session
	call-req-pns-call-id-mismatch	8	Call ID Mismatch on Call Request
	gre-sessions-freed	8	GRE Sessions Freed

2.19.65 cgnv6 lsn alg rtp

RTP

rtp Specification

Type	*Configuration Resource*
Element Name	rtp
Element URI	/axapi/v3/cgnv6/lsn/alg/rtp
Element Attributes	rtp_attributes
Schema	`rtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/rtp

rtp attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/rtp

rtp attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/rtp

rtp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/rtp

rtp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/rtp

rtp attributes

rtp attributes

rtp-stun-timeout

Description RTP/RTCP STUN timeout (default: 5 minutes)}

Type: number

Range: 2-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.66 cgnv6 lsn alg rtsp

Change LSN RTSP ALG Settings

rtsp Specification

Type	*Configuration Resource*
Element Name	rtsp
Element URI	/axapi/v3/cgnv6/lsn/alg/rtsp
Element Attributes	rtsp_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/alg/rtsp/stats
Schema	`rtsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/rtsp

rtsp attributes

```
POST /axapi/v3/cgnv6/lsn/alg/rtsp
Payload:
{
    "rtsp": {
        "rtsp-value": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/rtsp

rtsp attributes

```
GET /axapi/v3/cgnv6/lsn/alg/rtsp
Reponse:
{
    "rtsp": {
        "rtsp-value": "enable",
        "uuid": "5abe5b32-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/alg/rtsp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/rtsp

rtsp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/rtsp

rtsp attributes

```
PUT /axapi/v3/cgnv6/lsn/alg/rtsp
Payload:
{
    "rtsp": {
        "rtsp-value": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/rtsp

rtsp attributes

```
DELETE /axapi/v3/cgnv6/lsn/alg/rtsp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rtsp attributes

rtsp-value

Description 'enable': Enable RTSP ALG for LSN;

Type: string

Supported Values: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'streams-created': Streams Created; 'streams-freed': Streams Freed; 'stream-creation-failure': Stream Creation Failures; 'ports-allocated': Stream Client Ports Allocated; 'ports-freed': Stream Client Ports Freed; 'port-allocation-failure': Stream Client Port Allocation Failures; 'unknown-client-port-from-server': Server Replies With Unknown Client Ports; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'no-session-mem': Data Session Creation Failures; 'ha-sent': HA Sent; 'ha-rcv': HA

RCV; 'smp-inserted': SMP Session Inserted; 'smp-removed': SMP Session Removed; 'smp-reused': SMP Session Reused; 'nat-pool-standby': New Session NAT Pool Standby; 'smp-deleted': New Session SMP Already Deleted; 'control-closed': New Session Closed; 'data-session-exists': New Session Already Exists; 'data-session-creation-failure': New Data Session Creation Failure; 'rtp-reversed': RTP Reverse Creation; 'rtcp-reversed': RTCP Reverse Creation; 'cross-cpu-sent': Cross CPU Sent; 'cross-cpu-rcv': Cross CPU Received; 'cross-cpu-no-session': Cross CPU No Session Found; 'cross-cpu-created': Cross CPU Creation; 'cross-cpu-rcv-failure': Cross CPU Receive Failure; 'data-free-smp-retry-lookup': Data Session Free SMP Retry Lookup; 'data-free-smp-not-found': Data Session Free SMP Not Found; 'ha-streams-sent': HA Streams Sent; 'ha-streams-rcv': HA Streams Received; 'ha-stream-incompatible': HA Incompatible Streams Received; 'ha-stream-exists': HA Stream Already Exists; 'ha-port-allocation-failure': HA Stream Port Allocation Failure; 'ha-data-session-sent': HA Data Session Sent; 'ha-data-session-rcv': HA Data Session Received; 'ha-data-no-smp': HA Data Session SMP Not Found; 'ha-control-closed': HA New Data Control Session Closed; 'ha-data-exists': HA New Data Session Already Exists; 'ha-extension-failure': HA Conn Extension Failure; 'ha-stream-smp-reused': HA SMP Session Reused; 'ha-stream-smp-acquire-failure': HA SMP Session Acquire Failure; 'smp-app-type-mismatch': SMP ALG App Type Mismatch;

Type: string

Supported Values: all, streams-created, streams-freed, stream-creation-failure, ports-allocated, ports-freed, port-allocation-failure, unknown-client-port-from-server, data-session-created, data-session-freed, no-session-mem, ha-sent, ha-rcv, smp-inserted, smp-removed, smp-reused, nat-pool-standby, smp-deleted, control-closed, data-session-exists, data-session-creation-failure, rtp-reversed, rtcp-reversed, cross-cpu-sent, cross-cpu-rcv, cross-cpu-no-session, cross-cpu-created, cross-cpu-rcv-failure, data-free-smp-retry-lookup, data-free-smp-not-found, ha-streams-sent, ha-streams-rcv, ha-stream-incompatible, ha-stream-exists, ha-port-allocation-failure, ha-data-session-sent, ha-data-session-rcv, ha-data-no-smp, ha-control-closed, ha-data-exists, ha-extension-failure, ha-stream-smp-reused, ha-stream-smp-acquire-failure, smp-app-type-mismatch

stats data

	Counter	Size	Description
	stream-creation-failure	8	Stream Creation Failures
	streams-created	8	Streams Created
	no-session-mem	8	Data Session Creation Failures
	ports-allocated	8	Stream Client Ports Allocated
	port-allocation-failure	8	Stream Client Port Allocation Failures
	streams-freed	8	Streams Freed
	unknown-client-port-from-server	8	Server Replies With Unknown Client Ports
	ports-freed	8	Stream Client Ports Freed
	data-session-freed	8	Data Session Freed
	data-session-created	8	Data Session Created

2.19.67 cgnv6 lsn alg sip

Change LSN SIP ALG Settings

sip Specification

Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/cgnv6/lsn/alg/sip
Element Attributes	sip_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/alg/sip/stats
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/sip

sip attributes

```
POST /axapi/v3/cgnv6/lsn/alg/sip
Payload:
{
    "sip": {
        "sip-value": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/sip

sip attributes

```
GET /axapi/v3/cgnv6/lsn/alg/sip
Reponse:
{
    "sip": {
        "sip-value": "enable",
        "rtp-stun-timeout": 5,
        "uuid": "5abe5cb8-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/alg/sip"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/sip

sip attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/sip

sip attributes

```
PUT /axapi/v3/cgnv6/lsn/alg/sip
Payload:
{
    "sip": {
        "sip-value": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/sip

sip attributes

```
DELETE /axapi/v3/cgnv6/lsn/alg/sip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip attributes

rtp-stun-timeout

Description RTP/RTCP STUN timeout in minutes (Default is 5 minutes)

Type: number

Range: 2-10

Default: 5

sampling-enable

Type: List

sip-value

Description 'enable': Enable SIP ALG for LSN;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'method-register': SIP Method REGISTER; 'method-invite': SIP Method INVITE; 'method-ack': SIP Method ACK; 'method-cancel': SIP Method CANCEL; 'method-bye': SIP Method BYE; 'method-options': SIP Method OPTIONS; 'method-prack': SIP Method PRACK; 'method-subscribe': SIP Method SUBSCRIBE; 'method-notify': SIP Method NOTIFY; 'method-publish': SIP Method PUBLISH; 'method-info': SIP Method INFO; 'method-refer': SIP Method REFER; 'method-message': SIP Method MESSAGE; 'method-update': SIP Method UPDATE; 'method-unknown': SIP Method UNKNOWN; 'parse-error': SIP Message Parse Error; 'req-uri-op-failrue': SIP Operate Request

Uri Failure; 'via-hdr-op-failrue': SIP Operate Via Header Failure; 'contact-hdr-op-failrue': SIP Operate Contact Header Failure; 'from-hdr-op-failrue': SIP Operate From Header Failure; 'to-hdr-op-failrue': SIP Operate To Header Failure; 'route-hdr-op-failrue': SIP Operate Route Header Failure; 'record-route-hdr-op-failrue': SIP Operate Record-Route Header Failure; 'content-length-hdr-op-failrue': SIP Operate Content-Length Failure; 'third-party-registration': SIP Third-Party Registration; 'conn-ext-creation-failure': SIP Create Connection Extension Failure; 'alloc-contact-port-failure': SIP Alloc Contact Port Failure; 'outside-contact-port-mismatch': SIP Outside Contact Port Mismatch NAT Port; 'inside-contact-port-mismatch': SIP Inside Contact Port Mismatch; 'third-party-sdp': SIP Third-Party SDP; 'sdp-process-candidate-failure': SIP Operate SDP Media Candidate Attribute Failure; 'sdp-op-failure': SIP Operate SDP Failure; 'sdp-alloc-port-map-success': SIP Alloc SDP Port Map Success; 'sdp-alloc-port-map-failure': SIP Alloc SDP Port Map Failure; 'modify-failure': SIP Message Modify Failure; 'rewrite-failure': SIP Message Rewrite Failure; 'tcp-out-of-order-drop': TCP Out-of-Order Drop;

Type: string

Supported Values: all, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, req-uri-op-failrue, via-hdr-op-failrue, contact-hdr-op-failrue, from-hdr-op-failrue, to-hdr-op-failrue, route-hdr-op-failrue, record-route-hdr-op-failrue, content-length-hdr-op-failrue, third-party-registration, conn-ext-creation-failure, alloc-contact-port-failure, outside-contact-port-mismatch, inside-contact-port-mismatch, third-party-sdp, sdp-process-candidate-failure, sdp-op-failure, sdp-alloc-port-map-success, sdp-alloc-port-map-failure, modify-failure, rewrite-failure, tcp-out-of-order-drop, smp-conn-alloc-failure, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

stats data

	Counter	Size	Description
	method-options	8	SIP Method OPTIONS
	method-invite	8	SIP Method INVITE
	method-publish	8	SIP Method PUBLISH
	parse-error	8	SIP Message Parse Error
	method-unknown	8	SIP Method UNKNOWN
	method-update	8	SIP Method UPDATE
	method-subscribe	8	SIP Method SUBSCRIBE
	method-register	8	SIP Method REGISTER
	method-prack	8	SIP Method PRACK
	method-notify	8	SIP Method NOTIFY
	method-info	8	SIP Method INFO
	method-ack	8	SIP Method ACK
	tcp-out-of-order-drop	8	TCP Out-of-Order Drop
	method-refer	8	SIP Method REFER
	method-message	8	SIP Method MESSAGE
	method-bye	8	SIP Method BYE
	method-cancel	8	SIP Method CANCEL

2.19.68 cgnv6 lsn alg tftp

Change LSN TFTP ALG Settings

tftp Specification

Type	*Configuration Resource*
Element Name	tftp
Element URI	/axapi/v3/cgnv6/lsn/alg/tftp
Element Attributes	tftp_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/alg/tftp/stats
Schema	`tftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/alg/tftp

tftp attributes

```
POST /axapi/v3/cgnv6/lsn/alg/tftp
Payload:
{
    "tftp": {
        "tftp-value": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/alg/tftp

tftp attributes

```
GET /axapi/v3/cgnv6/lsn/alg/tftp
Reponse:
{
    "tftp": {
        "tftp-value": "enable",
        "uuid": "5abe5ef2-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/alg/tftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/alg/tftp

tftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/alg/tftp

tftp attributes

```
PUT /axapi/v3/cgnv6/lsn/alg/tftp
Payload:
{
    "tftp": {
        "tftp-value": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/alg/tftp

tftp attributes

```
DELETE /axapi/v3/cgnv6/lsn/alg/tftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tftp attributes

sampling-enable

Type: List

tftp-value

Description 'enable': Enable TFTP ALG for LSN;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'placeholder-debug': Placeholder Debug;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

stats data

	Counter	Size	Description
	session-created	8	TFTP Client Sessions Created

2.19.69 cgnv6 lsn all-sessions

Forcibly remove all sessions relevant to the NAT pool

all-sessions Specification

Type	*Configuration Resource*
Element Name	all-sessions
Element URI	/axapi/v3/cgnv6/lsn/all-sessions
Element Attributes	all-sessions_attributes
Operational Data URI	/axapi/v3/cgnv6/lsn/all-sessions/oper
Schema	`all-sessions schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/all-sessions

all-sessions attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/all-sessions

all-sessions attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/all-sessions

all-sessions attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/all-sessions

all-sessions attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/all-sessions

all-sessions attributes

all-sessions attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	status	string	status
	nat-pool-name	string	nat-pool-name

2.19.70 cgnv6 lsn data-sessions

To clear lsn data sessions by user or NAT resource

data-sessions Specification

Type	*Configuration Resource*
Element Name	data-sessions
Element URI	/axapi/v3/cgnv6/lsn/data-sessions
Element Attributes	data-sessions_attributes
Operational Data URI	/axapi/v3/cgnv6/lsn/data-sessions/oper
Schema	`data-sessions schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/data-sessions

data-sessions attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/data-sessions

data-sessions attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/data-sessions

data-sessions attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/data-sessions

data-sessions attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/data-sessions

data-sessions attributes

data-sessions attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	status	string	status
	inside-addr-start	ipv4-address	inside-addr-start
	nat-port	number	nat-port
	inside-addr-end	ipv4-address	inside-addr-end
	inside-port	number	inside-port
	nat-addr	ipv4-address	nat-addr
	nat-addr-start	ipv4-address	nat-addr-start
	nat-addr-end	ipv4-address	nat-addr-end
	inside-addr	ipv4-address	inside-addr

2.19.71 cgnv6 lsn endpoint-independent-filtering

Configure Endpoint-Independent-Filtering Behavior (default: disabled)

endpoint-independent-filtering Specification

Type	*Intermediate Resource*
Element Name	endpoint-independent-filtering
Element URI	/axapi/v3/cgnv6/lsn/endpoint-independent-filtering
Element Attributes	endpoint-independent-filtering_attributes
Schema	`endpoint-independent-filtering schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering

endpoint-independent-filtering_attributes

endpoint-independent-filtering attributes

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp*

udp

Specification	
Type	*object*

port-list

Type: List

session-limit

Description Limit number of EIF sessions that can be created per port

Type: number

Range: 1-65535

Default: 65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

tcp

Specification	
Type	*object*

port-list

Type: List

session-limit

Description Limit number of EIF sessions that can be created per port

Type: number

Range: 1-65535

Default: 65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.72 cgnv6 lsn endpoint-independent-filtering tcp

Set behavior for TCP

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp

tcp attributes

```
POST /axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp
Payload:
{
    "tcp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp

tcp attributes

```
GET /axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp
Reponse:
{
    "tcp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ],
        "session-limit": 65535,
        "uuid": "932c178a-601d-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp

tcp attributes

```
PUT /axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp
Payload:
{
    "tcp": {
        "port-list": [
            {
                "port": 2,
                "port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp

tcp attributes

```
DELETE /axapi/v3/cgnv6/lsn/endpoint-independent-filtering/tcp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp attributes

port-list

Type: List

session-limit

Description Limit number of EIF sessions that can be created per port

Type: number

Range: 1-65535

Default: 65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.73 cgnv6 lsn endpoint-independent-filtering udp

Set behavior for UDP

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp

udp attributes

```
POST /axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp
Payload:
{
    "udp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp

udp attributes

```
GET /axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp
Reponse:
{
    "udp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ],
        "session-limit": 65535,
```

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```
        "uuid": "ab2ce044-601d-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp

udp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp

udp attributes

```
PUT /axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp
Payload:
{
    "udp": {
        "port-list": [
            {
                "port": 2,
                "port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp

udp attributes

```
DELETE /axapi/v3/cgnv6/lsn/endpoint-independent-filtering/udp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

udp attributes

port-list

Type: List

session-limit

Description Limit number of EIF sessions that can be created per port

Type: number

Range: 1-65535

Default: 65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.74 cgnv6 lsn endpoint-independent-mapping

Configure Endpoint-Independent-Mapping Behavior (default: disabled)

endpoint-independent-mapping Specification

Type	*Intermediate Resource*
Element Name	endpoint-independent-mapping
Element URI	/axapi/v3/cgnv6/lsn/endpoint-independent-mapping
Element Attributes	endpoint-independent-mapping_attributes
Schema	`endpoint-independent-mapping schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping

endpoint-independent-mapping_attributes

endpoint-independent-mapping attributes

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp*

udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.75 cgnv6 lsn endpoint-independent-mapping tcp

Set behavior for TCP

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp

tcp attributes

```
POST /axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp
Payload:
{
    "tcp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp

tcp attributes

```
GET /axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp
Reponse:
{
    "tcp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ],
        "uuid": "c84669f2-601d-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp

tcp attributes

```
PUT /axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp
Payload:
{
    "tcp": {
        "port-list": [
            {
                "port": 2,
                "port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp

tcp attributes

```
DELETE /axapi/v3/cgnv6/lsn/endpoint-independent-mapping/tcp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp attributes

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.76 cgnv6 lsn endpoint-independent-mapping udp

Set behavior for UDP

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp

udp attributes

```
POST /axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp
Payload:
{
    "udp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp

udp attributes

```
GET /axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp
Reponse:
{
    "udp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ],
        "uuid": "d8420028-601d-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp

udp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp

udp attributes

```
PUT /axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp
Payload:
{
    "udp": {
        "port-list": [
            {
                "port": 2,
                "port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp

udp attributes

```
DELETE /axapi/v3/cgnv6/lsn/endpoint-independent-mapping/udp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

udp attributes

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.77 cgnv6 lsn enhanced-user-tracking

LSN Enhanced User Data

enhanced-user-tracking Specification

Type	*Configuration Resource*
Element Name	enhanced-user-tracking
Element URI	/axapi/v3/cgnv6/lsn/enhanced-user-tracking
Element Attributes	enhanced-user-tracking_attributes
Operational Data URI	/axapi/v3/cgnv6/lsn/enhanced-user-tracking/oper
Schema	`enhanced-user-tracking schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/enhanced-user-tracking

enhanced-user-tracking attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/enhanced-user-tracking

enhanced-user-tracking attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/enhanced-user-tracking

enhanced-user-tracking attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/enhanced-user-tracking

enhanced-user-tracking attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/enhanced-user-tracking

enhanced-user-tracking attributes

enhanced-user-tracking attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-partition	flag	shared-partition
	pool-shared	flag	pool-shared
	all-partitions	flag	all-partitions
	user-list		user-list
	partition-name	string	partition-name
	user-count	number	user-count
	nat-pool-name	string	nat-pool-name
	inside-addr	ipv4-address	inside-addr

2.19.78 cgnv6 lsn full-cone-session

Full Cone Sessions

full-cone-session Specification

Type	*Configuration Resource*
Element Name	full-cone-session
Element URI	/axapi/v3/cgnv6/lsn/full-cone-session
Element Attributes	full-cone-session_attributes
Operational Data URI	/axapi/v3/cgnv6/lsn/full-cone-session/oper
Schema	`full-cone-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/full-cone-session

full-cone-session attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/full-cone-session

full-cone-session attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/full-cone-session

full-cone-session attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/full-cone-session

full-cone-session attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/full-cone-session

full-cone-session attributes

full-cone-session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-partition	flag	shared-partition
	pool-shared	flag	pool-shared
	nat-port	number	nat-port
	all-partitions	flag	all-partitions
	inside-addr-end	ipv4-address	inside-addr-end
	pcp	flag	pcp
	inside-port	number	inside-port
	inside-addr-start	ipv4-address	inside-addr-start
	nat-addr	ipv4-address	nat-addr
	partition-name	string	partition-name
	nat-addr-start	ipv4-address	nat-addr-start
	nat-addr-end	ipv4-address	nat-addr-end
	debug-session	flag	debug-session
	session-list		session-list
	inside-addr	ipv4-address	inside-addr
	graceful	flag	graceful
	session-count	number	session-count
	total-session-count	number	total-session-count
	nat-pool-name	string	nat-pool-name

2.19.79 cgnv6 lsn global

Set Large-Scale NAT config parameters

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/lsn/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/global

global attributes

```
POST /axapi/v3/cgnv6/lsn/global
Payload:
{
    "global": {
        "strictly-sticky-nat": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/global

global attributes

```
GET /axapi/v3/cgnv6/lsn/global
Reponse:
{
    "global": {
        "strictly-sticky-nat": 1,
        "enhanced-user-tracking": 0,
        "hairpinning": "filter-none",
        "ip-selection": "random",
        "syn-timeout": 4,
        "icmp": {
            "send-on-port-unavailable": "disable",
            "send-on-user-quota-exceeded": "admin-filtered"
        },
        "port-batching": {
            "size": "1",
            "tcp-time-wait-interval": 2
        },
        "uuid": "5abe57f4-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/global

global attributes

```
PUT /axapi/v3/cgnv6/lsn/global
```

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```
Payload:
{
    "global": {
        "strictly-sticky-nat": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/global

global attributes

```
DELETE /axapi/v3/cgnv6/lsn/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

attempt-port-preservation

Description 'disable': Don't attempt port preservation for NAT allocation;

Type: string

Supported Values: disable

enhanced-user-tracking

Description Enable enhanced user tracking and visibility (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hairpinning

Description 'filter-none': Allow self-hairpinning (default). Warning: Only applies to UDP. TCP will use filter-self-ip-port; 'filter-self-ip': Block hairpinning to the user's own IP; 'filter-self-ip-port': Block hairpinning to the user's same IP and port combination;

Type: string

Supported Values: filter-none, filter-self-ip, filter-self-ip-port

Default: filter-none

half-close-timeout

Description Set LSN Half close timeout (Half close timeout in seconds (default not set))

Type: number

Range: 2-3000

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

inbound-refresh

Description 'disable': Disable NAT Inbound Refresh Behavior;

Type: string

Supported Values: disable

ip-selection

Description 'random': Random (long-run uniformly distributed) NAT IP selection (default); 'round-robin': Round-robin; 'least-used-strict': Fewest NAT ports used; 'least-udp-used-strict': Fewest UDP NAT ports used; 'least-tcp-used-strict': Fewest TCP NAT ports used; 'least-reserved-strict': Fewest NAT ports reserved; 'least-udp-reserved-strict': Fewest UDP NAT ports reserved; 'least-tcp-reserved-strict': Fewest TCP NAT ports reserved; 'least-users-strict': Fewest number of users;

Type: string

Supported Values: random, round-robin, least-used-strict, least-udp-used-strict, least-tcp-used-strict, least-reserved-strict, least-udp-reserved-strict, least-tcp-reserved-strict, least-users-strict

Default: random

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

port-batching

Description: port-batching is a **JSON Block**. Please see below for *port-batching*

Type: Object

sampling-enable

Type: List

strictly-sticky-nat

Description Strictly adheres to sticky-nat (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-timeout

Description Set LSN SYN timeout (SYN idle-timeout in seconds (default: 4 seconds))

Type: number

Range: 2-30

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

logging

Specification	
Type	*object*

default-template

Description Bind the default NAT logging template for LSN (Bind a NAT logging template)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/logging*

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Refernce Object: */axapi/v3/partition*

pool

Type: List

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

logging_pool

Specification	
Type	*list*
Block object keys	

pool-name

Description NAT pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/nat/pool*

template

Description Bind a NAT logging template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/template/logging*

port-batching

Specification	
Type	*object*

size

Description '1': Allocate 1 port at a time (default); '8': Allocate 8 ports at a time; '16': Allocate 16 ports at a time; '32': Allocate 32 ports at a time; '64': Allocate 64 ports at a time; '128': Allocate 128 ports at a time; '256': Allocate 256 ports at a time; '512': Allocate 512 ports at a time;

Type: string

Supported Values: 1, 8, 16, 32, 64, 128, 256, 512

Default: 1

tcp-time-wait-interval

Description Minutes before TCP NAT ports can be reused (default: 2)

Type: number

Range: 0-10

Default: 2

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': Total TCP Ports Freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded': Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched;

'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'ha_nat_pool_batch_type_mismatch': HA NAT Pool Batch Type Mismatch; 'no_radius_profile_match': No RADIUS Profile Match; 'nat_ip_max_tcp_ports_allocated': NAT IP TCP Max Ports Allocated; 'nat_ip_max_udp_ports_allocated': NAT IP UDP Max Ports Allocated; 'no_class_list_match': No Class-List Match; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'fullcone_in_del_q': Full-cone session found in delete queue; 'fullcone_retry_lookup': Full-cone session retry look-up; 'fullcone_not_found': Full-cone session not found; 'nat_port_double_free': NAT Port Double Free; 'nat_port_chunk_freed_from_cpu': NAT Port Chunks Freed From CPU; 'nat_port_freed_from_diff_cpu': NAT Port Freed On Different CPU; 'nat_pool_deleted': NAT Pool Deleted; 'nat_esp_ip_conflicts': LSN NAT ESP IP Conflicts; 'nat_esp_no_control_sesn': LSN NAT ESP No Control Session; 'esp_user_quota_exceeded': ESP User-Quota exceeded; 'udp_alg_user_quota_exceeded': UDP ALG User-Quota exceeded; 'gre_user_quota_exceeded': GRE User-Quota exceeded; 'ha_classlist_mismatch': HA Class-list Mismatch; 'ha_user_quota_mismatch': HA User-Quota Mismatch; 'ha_fullcone_mismatch': HA Full-cone Mismatch; 'ha_port_mismatch': HA Port Mismatch; 'ha_dnat_mismatch': HA Destination NAT Config Mismatch; 'ha_nat_port_unavailable': HA NAT Port Unavailable; 'ha_unknown_nat_ip': HA Unknown NAT IP; 'ha_fullcone_failure': HA Full-cone Session Failure; 'ha_fullcone_create_race_failure': HA Full-cone Create Race Failure; 'ha_endpoint_indep_map_match': HA Endpoint-independent Matching; 'standby_class_list_drop': HA Standby Class-List drop; 'bad_tuple_nat_ip': Bad NAT IP from tuple; 'bad_smp_tuple_nat_ip': Bad NAT IP from SMP tuple; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; 'fullcone_overflow_eim': Full-cone Session EIM Overflow; 'fullcone_overflow_eif': Full-cone Session EIF Overflow; 'cross_cpu_helper_created': Cross CPU Session Helper Created; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper NAT Pool Standby; 'cross_cpu_helper_double_add': Cross CPU Helper Double Add Attempt; 'mtu_exceeded': Packet Exceeded MTU; 'frag': Fragmented Packets; 'dslite_tunnel_frag': IPv4 Fragment DS-Lite Packet; 'sixrd_tunnel_frag': IPv6 Fragment IPv6-in-IPv4 Packet; 'frag_icmp': ICMP Packet Too Big Sent; 'frag_tunnel_icmp': DS-Lite ICMP Packet Too Big Sent; 'quota_ext_mem_allocated': Quota Extension Memory Allocated; 'quota_ext_mem_alloc_failure': Quota Extension Out of Memory; 'quota_ext_mem_freed': Quota Extension Memory Freed; 'quota_ext_put_in_del_q': Quota Extension Put in Delete Queue; 'port_batch_num_mismatch': Specific Port Batch Num Ports Mismatch; 'port_batch_interval_mismatch': Specific Port Batch Port Interval Mismatch; 'port_pair_alloc_bad_math': Port Pair Alloc Bad Math; 'free_port_from_quota_no_container': Free Port from Quota No Container; 'free_port_from_quota_no_port_info': Free Port From Quota No Port Info; 'static_nat_cross_cpu_helper_created': Cross CPU Helper Created for Static NAT; 'static_nat_cross_cpu_helper_deleted': Cross CPU Helper Deleted for Static NAT; 'static_nat_cross_cpu_helper_standby': Cross CPU Helper Static NAT Standby;

'static_nat_cross_cpu_helper_cpu_mismatch': Static NAT Cross CPU Helper CPU Mismatch; 'static_nat_cross_cpu_sent': Static NAT Cross CPU Helper Sent; 'static_nat_cross_cpu_rcv': Static NAT Cross CPU Helper Packets Received; 'static_nat_cross_cpu_bad_l3': Static NAT Cross CPU Unsupported L3; 'static_nat_cross_cpu_bad_l4': Static NAT Cross CPU Unsupported L4; 'static_nat_cross_cpu_no_session': Static NAT Cross CPU No Session Found; 'static_nat_cross_cpu_helper_free': Static NAT Cross CPU Helper Free; 'static_nat_cross_cpu_helper_free_retry_lookup': Static NAT Cross CPU Helper Free Retry Lookup; 'static_nat_cross_cpu_helper_free_not_found': Static NAT Cross CPU Helper Free Not Found; 'static_nat_ha_map_mismatch': Static NAT Mapping Mismatch on HA Standby; 'ip_slb_cross_cpu_sent': IP SLB Cross CPU Packets Sent; 'fullcone_force_deleted': Full-cone Session Force Deleted; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created, data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp, new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, full-cone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, nat_ip_max_tcp_ports_allocated, nat_ip_max_udp_ports_allocated, no_class_list_match, lid_drop, lid_pass_through, fullcone_in_del_q, fullcone_retry_lookup, fullcone_not_found, nat_port_double_free, nat_port_chunk_freed_from_cpu, nat_port_freed_from_diff_cpu, nat_pool_deleted, nat_esp_ip_conflicts, nat_esp_no_control_sesn, esp_user_quota_exceeded, udp_alg_user_quota_exceeded, gre_user_quota_exceeded, ha_classlist_mismatch, ha_user_quota_mismatch, ha_fullcone_mismatch, ha_port_mismatch, ha_dnat_mismatch, ha_nat_port_unavailable, ha_unknown_nat_ip, ha_fullcone_failure, ha_fullcone_create_race_failure, ha_endpoint_indep_map_match, standby_class_list_drop, bad_tuple_nat_ip, bad_smp_tuple_nat_ip, fullcone_inbound_nat_pool_mismatch, fullcone_overflow_eim, fullcone_overflow_eif, cross_cpu_helper_created, cross_cpu_sent, cross_cpu_rcv, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_free, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found, cross_cpu_helper_deleted, cross_cpu_helper_cpu_mismatch, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_double_add, mtu_exceeded, frag, dslite_tunnel_frag, sixrd_tunnel_frag, frag_icmp, frag_tunnel_icmp, quota_ext_mem_allocated, quota_ext_mem_alloc_failure, quota_ext_mem_freed, quota_ext_put_in_del_q, port_batch_num_mismatch, port_batch_interval_mismatch, port_pair_alloc_bad_math,

free_port_from_quota_no_container, free_port_from_quota_no_port_info, static_nat_cross_cpu_helper_created, static_nat_cross_cpu_helper_deleted, static_nat_cross_cpu_helper_standby, static_nat_cross_cpu_helper_cpu_mismatch, static_nat_cross_cpu_sent, static_nat_cross_cpu_rcv, static_nat_cross_cpu_bad_l3, static_nat_cross_cpu_bad_l4, static_nat_cross_cpu_no_session, static_nat_cross_cpu_helper_free, static_nat_cross_cpu_helper_free_retry_lookup, static_nat_cross_cpu_helper_free_not_found, static_nat_ha_map_mismatch, ip_slb_cross_cpu_sent, fullcone_force_deleted, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped

counters2

Description 'user_quota_not_found': User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched; 'nat_port_unavailable_other': Other NAT Port Unavailable; 'nat_port_unavailable': Total NAT Port Unavailable; 'new_user_resource_unavailable_tcp': TCP New User NAT Resource Unavailable; 'new_user_resource_unavailable_udp': UDP New User NAT Resource Unavailable; 'new_user_resource_unavailable_icmp': ICMP New User NAT Resource Unavailable; 'new_user_resource_unavailable_other': Other New User NAT Resource Unavailable; 'total_tcp_allocated_shadow': Total TCP Ports Allocated; 'total_tcp_freed_shadow': Total TCP Ports Freed; 'total_udp_allocated_shadow': Total UDP Ports Allocated; 'total_udp_freed_shadow': Total UDP Ports Freed; 'total_icmp_allocated_shadow': Total ICMP Ports Allocated; 'total_icmp_freed_shadow': Total ICMP Ports Freed; 'udp_alg_no_quota': UDP ALG User-Quota Not Found; 'udp_alg_eim_mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp_alg_no_nat_ip': UDP ALG User-Quota Unknown NAT IP; 'udp_alg_alloc_failure': UDP ALG Port Allocation Failure; 'sip_alg_no_quota': SIP ALG User-Quota Not Found; 'sip_alg_quota_inc_failure': SIP ALG User-Quota Exceeded; 'sip_alg_no_nat_ip': SIP ALG Unknown NAT IP; 'sip_alg_reuse_contact_fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip_alg_contact_fullcone_mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip_alg_alloc_contact_port_failure': SIP ALG Alloc Contact NAT Port Failure; 'sip_alg_create_contact_fullcone_failure': SIP ALG Create Contact Full-cone Session Failure; 'sip_alg_release_contact_port_failure': SIP ALG Release Contact NAT Port Failure; 'sip_alg_single_rtp_fullcone': SIP ALG Single RTP Full-cone Found; 'sip_alg_single_rtcp_fullcone': SIP ALG Single RTCP Full-cone Found; 'sip_alg_rtcp_fullcone_mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip_alg_reuse_rtp_rtcp_fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip_alg_alloc_rtp_rtcp_port_failure': SIP ALG Alloc RTP/RTCP NAT Ports Failure; 'sip_alg_alloc_single_port_failure': SIP ALG Alloc Single RTP or RTCP NAT Port Failure; 'sip_alg_create_single_fullcone_failure': SIP ALG Create Single RTP or RTCP Full-cone Session Failure; 'sip_alg_create_rtp_fullcone_failure': SIP ALG Create RTP Full-cone Session Failure; 'sip_alg_create_rtcp_fullcone_failure': SIP ALG Create RTCP Full-cone Session Failure; 'sip_alg_port_pair_alloc_from_consecutive': SIP ALG Port Pair Allocated From Consecu-

tive; 'sip_alg_port_pair_alloc_from_partition': SIP ALG Port Pair Allocated From Partition; 'sip_alg_port_pair_alloc_from_pool_port_batch': SIP ALG Port Pair Allocated From Pool Port Batch; 'sip_alg_port_pair_alloc_from_quota_consecutive': SIP ALG Port Pair Allocated From Quota Consecutive; 'sip_alg_port_pair_alloc_from_quota_partition': SIP ALG Port Pair Allocated From Quota Partition; 'sip_alg_port_pair_alloc_from_quota_partition_error': SIP ALG Port Pair Allocated From Quota Partition Error; 'sip_alg_port_pair_alloc_from_quota_pool_port_batch': SIP ALG Port Pair Allocated From Quota Pool Port Batch; 'sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag': SIP ALG Port Pair Allocated From Quota Port Batch Version 2 with Frag Free Ports; 'h323_alg_no_quota': H323 ALG User-Quota Not Found; 'h323_alg_quota_inc_failure': H323 ALG User-Quota Exceeded; 'h323_alg_no_nat_ip': H323 ALG Unknown NAT IP; 'h323_alg_reuse_fullcone': H323 ALG Reuse Full-cone Session; 'h323_alg_fullcone_mismatch': H323 ALG Full-cone Session Mismatch; 'h323_alg_alloc_port_failure': H323 ALG Alloc NAT Port Failure; 'h323_alg_create_fullcone_failure': H323 ALG Create Full-cone Session Failure; 'h323_alg_release_port_failure': H323 ALG Release NAT Port Failure; 'h323_alg_single_rtp_fullcone': H323 ALG Single RTP Full-cone Found; 'h323_alg_single_rtcp_fullcone': H323 ALG Single RTCP Full-cone Found; 'h323_alg_rtcp_fullcone_mismatch': H323 ALG RTCP Full-cone NAT Port Mismatch; 'h323_alg_reuse_rtp_rtcp_fullcone': H323 ALG Reuse RTP/RTCP Full-cone Session; 'h323_alg_alloc_rtp_rtcp_port_failure': H323 ALG Alloc RTP/RTCP NAT Ports Failure; 'h323_alg_alloc_single_port_failure': H323 ALG Alloc Single RTP or RTCP NAT Port Failure; 'h323_alg_create_single_fullcone_failure': H323 ALG Create Single RTP or RTCP Full-cone Session Failure; 'h323_alg_create_rtp_fullcone_failure': H323 ALG Create RTP Full-cone Session Failure; 'h323_alg_create_rtcp_fullcone_failure': H323 ALG Create RTCP Full-cone Session Failure; 'h323_alg_port_pair_alloc_from_consecutive': H323 ALG Port Pair Allocated From Consecutive; 'h323_alg_port_pair_alloc_from_partition': H323 ALG Port Pair Allocated From Partition; 'h323_alg_port_pair_alloc_from_pool_port_batch': H323 ALG Port Pair Allocated From Pool Port Batch; 'h323_alg_port_pair_alloc_from_quota_consecutive': H323 ALG Port Pair Allocated From Quota Consecutive; 'h323_alg_port_pair_alloc_from_quota_partition': H323 ALG Port Pair Allocated From Quota Partition; 'h323_alg_port_pair_alloc_from_quota_partition_error': H323 ALG Port Pair Allocated From Quota Partition Error; 'h323_alg_port_pair_alloc_from_quota_pool_port_batch': H323 ALG Port Pair Allocated From Quota Pool Port Batch; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free; 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota; 'quota_extension_remove_not_found': Quota Extension Not Found on Remove; 'ha_sync_port_batch_sent': HA Port Batch Extension Sync Sent; 'ha_sync_port_batch_rcv': HA Port Batch Extension Sync Received; 'ha_send_port_batch_not_found': HA Port Batch Not Found on Sync Send; 'ha_rcv_port_not_in_port_batch': HA Port Not in Port Batch on Sync Rcv; 'bad_port_to_free': Freeing Bad Port; 'consecutive_port_free': Port Freed from Consecutive Pool; 'partition_port_free': Port Freed from Partition; 'pool_port_batch_port_free': Port Freed from Pool Port Batch; 'port_allocated_from_quota_consecutive': Port Allocated from Quota Consecutive; 'port_allocated_from_quota_partition': Port Allocated from Quota Partition; 'port_allocated_from_quota_pool_port_batch': Port Allocated from Quota Pool Port Batch; 'port_freed_from_quota_consecutive': Port Freed from Quota Consecutive; 'port_freed_from_quota_partition': Port Freed

from Quota Partition; 'port_freed_from_quota_pool_port_batch': Port Freed from Quota Pool Port Batch; 'port_batch_allocated_to_quota': Port Batch Allocated to Quota; 'port_batch_freed_from_quota': Port Batch Freed From Quota; 'specific_port_allocated_from_quota_consecutive': Specific Port Allocated from Quota Consecutive;

Type: string

Supported Values: user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, fullcone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure, sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag, h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free, quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive

counters3

Description 'specific_port_allocated_from_quota_partition': Specific Port Allocated

from Quota Partition; 'specific_port_allocated_from_quota_pool_port_batch': Specific Port Allocated from Quota Pool Port Batch; 'port_batch_container_alloc_failure': Port Batch Container Alloc Out of Memory; 'port_batch_container_alloc_race_free': Port Batch Container Race Free; 'port_overloading_destination_conflict': Port Overloading Destination Conflict; 'port_overloading_out_of_memory': Port Overloading Out of Memory; 'port_overloading_assign_user': Port Overloading Port Assign User; 'port_overloading_assign_user_port_batch': Port Overloading Port Assign User Port Batch; 'port_overloading_inc': Port Overloading Port Increment; 'port_overloading_dec_on_conflict': Port Overloading Port Decrement on Conflict; 'port_overloading_dec_on_free': Port Overloading Port Decrement on Free; 'port_overloading_free_port_on_conflict': Port Overloading Free Port on Conflict; 'port_overloading_free_port_batch_on_conflict': Port Overloading Free Port Batch on Conflict; 'port_overloading_inc_overflow': Port Overloading Inc Overflow; 'port_overloading_attempt_consecutive_ports': Port Overloading on Consecutive Ports; 'port_overloading_attempt_same_partition': Port Overloading on Same Partition; 'port_overloading_attempt_diff_partition': Port Overloading on Different Partition; 'port_overloading_attempt_failed': Port Overloading Attempt Failed; 'port_overloading_conn_free_retry_lookup': Port Overloading Conn Free Retry Lookup; 'port_overloading_conn_free_not_found': Port Overloading Conn Free Not Found; 'port_overloading_smp_mem_allocated': Port Overloading SMP Session Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'fullcone_ext_mem_freed': LSN Fullcone Extension Memory Freed; 'fullcone_ext_mem_allocated': LSN Fullcone Extension Memory Allocated; 'fullcone_ext_mem_alloc_failure': LSN Fullcone Extension Memory Allocate Failure; 'fullcone_ext_mem_alloc_init_faulure': LSN Fullcone Extension Initialization

Failure; 'fullcone_ext_added': LSN Fullcone Extension Added; 'fullcone_ext_too_many': LSN Fullcone Extension Too Many; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found; 'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive; 'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'cross_cpu_helper_created_eim': EIM Cross CPU Session Helper Created; 'cross_cpu_helper_created_eif': EIF Cross CPU Session Helper Created; 'cross_cpu_helper_created_udp': UDP Cross CPU Session Helper Created; 'cross_cpu_helper_created_tcp': TCP Cross CPU Session Helper Created; 'cross_cpu_helper_created_icmp': ICMP Cross CPU Session Helper Created; 'cross_cpu_helper_created_ip': IP Cross CPU Session Helper Created; 'cross_cpu_helper_free_not_found_ip': IP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_icmp': ICMP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_tcp': TCP Cross CPU Helper Free Not Found; 'cross_cpu_helper_free_not_found_udp': UDP Cross CPU Helper Free Not Found; 'adc_port_allocation_failed': ADC Port Allocation Failed; 'adc_port_allocation_ineligible': ADC Port Allocation Not Allowed;

Type: string

Supported Values: specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports,

port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success, nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, fullcone_ext_mem_freed, fullcone_ext_mem_allocated, fullcone_ext_mem_alloc_failure, fullcone_ext_mem_alloc_init_faulure, fullcone_ext_added, fullcone_ext_too_many, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone, mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, cross_cpu_helper_created_eim, cross_cpu_helper_created_eif, cross_cpu_helper_created_udp, cross_cpu_helper_created_tcp, cross_cpu_helper_created_icmp, cross_cpu_helper_created_ip, cross_cpu_helper_free_not_found_ip, cross_cpu_helper_free_not_found_icmp, cross_cpu_helper_free_not_found_tcp, cross_cpu_helper_free_not_found_udp, adc_port_allocation_failed, adc_port_allocation_ineligible

counters4

Description 'acl_http_domain_node_exceeded': ACL HTTP Domain Node Exceeded; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp':

Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP; 'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000;

Type: string

Supported Values: acl_http_domain_node_exceeded, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others, rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4

stats data

	Counter	Size	Description
	rev_egress_pkt_size_range1	8	Reverse Egress Packet size between 0 and 200
	endpoint_indep_filter_match	8	Endpoint-Independent Filtering Matched
	hairpin	8	Hairpin Session Created
	fwd_ingress_packets_udp	8	Forward Ingress Packets UDP
	lid_pass_through	8	LSN LID Pass-through
	rev_egress_bytes_tcp	8	Reverse Egress Bytes TCP
	fwd_egress_bytes_others	8	Forward Egress Bytes OTHERS
	fwd_egress_bytes_udp	8	Forward Egress Bytes UDP
	ha_nat_pool_unusable	8	HA NAT Pool Unusable
	tcp_user_quota_exceeded	8	TCP User-Quota Exceeded
	rev_ingress_packets_udp	8	Reverse Ingress Packets UDP
	rev_egress_bytes_icmp	8	Reverse Egress Bytes ICMP
	rev_egress_bytes_udp	8	Reverse Egress Bytes UDP
	ha_nat_pool_batch_type_mismatch	8	HA NAT Pool Batch Type Mismatch
	h323_alg_alloc_single_port_failure	8	H323 ALG Alloc Single RTP or RTCP NAT Port Failure
	rev_ingress_packets_others	8	Reverse Ingress Packets OTHERS
	user_quota_unusable_drop	8	User-Quota Unusable Drop
	fwd_egress_packets_icmp	8	Forward Egress Packets ICMP
	full-cone_failure	8	Full-cone Session Creation Failed
	fwd_ingress_pkt_size_range2	8	Forward Ingress Packet size between 201 and 800
	fwd_ingress_pkt_size_range3	8	Forward Ingress Packet size between 801 and 1550
	fwd_ingress_pkt_size_range1	8	Forward Ingress Packet size between 0 and 200
	data_sesn_user_quota_exceeded	8	Data Session User-Quota Exceeded
	lid_drop	8	LSN LID Drop
	fwd_ingress_pkt_size_range4	8	Forward Ingress Packet size between 1551 and 9000
	sip_alg_create_rtcp_fullcone_failure	8	SIP ALG Create RTCP Full-cone Session Failure
	fwd_egress_bytes_tcp	8	Forward Egress Bytes TCP
	port_overloading_smp_free_tcp	8	TCP Port Overloading Session Freed
	rev_ingress_packets_tcp	8	Reverse Ingress Packets TCP
	rev_egress_packets_tcp	8	Reverse Egress Packets TCP
	h323_alg_create_rtp_fullcone_failure	8	H323 ALG Create RTP Full-cone Session Failure
	standby_class_list_drop	8	HA Standby Class-List drop
	total_tcp_freed	8	Total TCP Ports Freed
	fwd_egress_packets_tcp	8	Forward Egress Packets TCP
	total_icmp_freed	8	Total ICMP Ports Freed
	tcp_fullcone_created	8	TCP Full-cone Session Created
	fwd_egress_packets_others	8	Forward Egress Packets OTHERS
	udp_fullcone_created	8	UDP Full-cone Session Created
	mgcp_alg_create_rtp_fullcone_failure	8	MGCP ALG Create RTP Full-cone Session Failure
	icmp_user_quota_exceeded	8	ICMP User-Quota Exceeded
	total_tcp_allocated	8	Total TCP Ports Allocated
	sip_alg_alloc_single_port_failure	8	SIP ALG Alloc Single RTP or RTCP NAT Port Failure

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Table 2.6 – continued from previous page

	Counter	Size	Description
	extended_quota_matched	8	Extended User-Quota Matched
	fwd_egress_pkt_size_range4	8	Forward Egress Packet size between 1551 and 9000
	tcp_fullcone_freed	8	TCP Full-cone Session Freed
	sip_alg_quota_inc_failure	8	SIP ALG User-Quota Exceeded
	user_quota_failure	8	User-Quota Creation Failed
	user_quota_created	8	User-Quota Created
	rev_egress_packets_icmp	8	Reverse Egress Packets ICMP
	data_sesn_rate_user_quota_exceeded	8	Conn Rate User-Quota Exceeded
	fullcone_self_hairpinning_drop	8	Self-Hairpinning Drop
	mgcp_alg_create_rtcp_fullcone_failure	8	MGCP ALG Create RTCP Full-cone Session Failure
	new_user_resource_unavailable	8	New User NAT Resource Unavailable
	total_udp_allocated	8	Total UDP Ports Allocated
	data_session_created	8	Data Session Created
	rev_ingress_bytes_tcp	8	Reverse Ingress Bytes TCP
	fwd_ingress_bytes_others	8	Forward Ingress Bytes OTHERS
	rev_ingress_bytes_others	8	Reverse Ingress Bytes OTHERS
	port_overloading_out_of_memory	8	Port Overloading Out of Memory
	fwd_ingress_bytes_tcp	8	Forward Ingress Bytes TCP
	nat_port_unavailable_icmp	8	ICMP NAT Port Unavailable
	adc_port_allocation_failed	8	ADC Port Allocation Failed
	fullcone_ext_mem_alloc_init_faulure	8	LSN Fullcone Extension Initialization Failure
	port_overloading_smp_inserted_tcp	8	TCP Port Overloading Session Created
	fwd_egress_bytes_icmp	8	Forward Egress Bytes ICMP
	eif_limit_exceeded	8	Endpoint-Independent Filtering Inbound Limit Exceeded
	port_overloading_smp_inserted_udp	8	UDP Port Overloading Session Created
	port_overloading_inc_overflow	8	Port Overloading Inc Overflow
	user_quota_put_in_del_q	8	User-Quota Freed
	mgcp_alg_port_pair_alloc_from_quota_partition_error	8	MGCP ALG Port Pair Allocated From Quota Partition Error
	total_udp_freed	8	Total UDP Ports Freed
	fwd_egress_pkt_size_range3	8	Forward Egress Packet size between 801 and 1550
	fwd_egress_pkt_size_range2	8	Forward Egress Packet size between 201 and 800
	nat_port_unavailable_tcp	8	TCP NAT Port Unavailable
	total_tcp_overloaded	8	TCP Port Overloaded
	fwd_ingress_packets_tcp	8	Forward Ingress Packets TCP
	user_quota_unusable	8	User-Quota Marked Unusable
	nat_ip_max_udp_ports_allocated	8	NAT IP UDP Max Ports Allocated
	sip_alg_alloc_rtp_rtcp_port_failure	8	SIP ALG Alloc RTP/RTCP NAT Ports Failure
	sip_alg_create_rtp_fullcone_failure	8	SIP ALG Create RTP Full-cone Session Failure
	sip_alg_create_single_fullcone_failure	8	SIP ALG Create Single RTP or RTCP Full-cone Session Failure
	rev_egress_packets_others	8	Reverse Egress Packets OTHERS
	h323_alg_create_rtcp_fullcone_failure	8	H323 ALG Create RTCP Full-cone Session Failure
	no_radius_profile_match	8	No RADIUS Profile Match

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Table 2.6 – continued from previous page

	Counter	Size	Description
	endpoint_indep_map_match	8	Endpoint-Independent Mapping Matched
	rev_ingress_pkt_size_range4	8	Reverse Ingress Packet size between 1551 and 9000
	rev_ingress_pkt_size_range2	8	Reverse Ingress Packet size between 201 and 800
	rev_ingress_pkt_size_range3	8	Reverse Ingress Packet size between 801 and 1550
	rev_ingress_pkt_size_range1	8	Reverse Ingress Packet size between 0 and 200
	total_icmp_allocated	8	Total ICMP Ports Allocated
	no_class_list_match	8	No Class-List Match
	inbound_filtered	8	Endpoint-Dependent Filtering Drop
	data_session_freed	8	Data Session Freed
	total_udp_overloaded	8	UDP Port Overloaded
	udp_fullcone_freed	8	UDP Full-cone Session Freed
	nat_pool_unusable	8	NAT Pool Unusable
	nat_port_unavailable_udp	8	UDP NAT Port Unavailable
	fwd_ingress_packets_others	8	Forward Ingress Packets OTHERS
	rev_ingress_bytes_udp	8	Reverse Ingress Bytes UDP
	rev_ingress_bytes_icmp	8	Reverse Ingress Bytes ICMP
	rev_egress_bytes_others	8	Reverse Egress Bytes OTHERS
	port_overloading_session_free_udp	8	UDP Port Overloading Session Freed
	udp_user_quota_exceeded	8	UDP User-Quota Exceeded
	h323_alg_create_single_fullcone_failure	8	H323 ALG Create Single RTP or RTCP Full-cone Session Failure
	fullcone_ext_mem_alloc_failure	8	LSN Fullcone Extension Memory Allocate Failure
	fwd_ingress_bytes_icmp	8	Forward Ingress Bytes ICMP
	fwd_egress_pkt_size_range1	8	Forward Egress Packet size between 0 and 200
	rev_ingress_packets_icmp	8	Reverse Ingress Packets ICMP
	rev_egress_packets_udp	8	Reverse Egress Packets UDP
	fwd_ingress_bytes_udp	8	Forward Ingress Bytes UDP
	nat_ip_max_tcp_ports_allocated	8	NAT IP TCP Max Ports Allocated
	fwd_egress_packets_udp	8	Forward Egress Packets UDP
	extended_quota_exceeded	8	Extended User-Quota Exceeded
	rev_egress_pkt_size_range4	8	Reverse Egress Packet size between 1551 and 9000
	rev_egress_pkt_size_range3	8	Reverse Egress Packet size between 801 and 1550
	fwd_ingress_packets_icmp	8	Forward Ingress Packets ICMP
	rev_egress_pkt_size_range2	8	Reverse Egress Packet size between 201 and 800

2.19.80 cgnv6 lsn health-check-gateway

Configure LSN health-check gateway

health-check-gateway Specification

Type	*Collection*
Object Key(s)	*ipv4-addr, ipv6-addr*
Collection Name	*health-check-gateway-list*
Collection URI	/axapi/v3/cgnv6/lsn/health-check-gateway
Element Name	health-check-gateway
Element URI	/axapi/v3/cgnv6/lsn/health-check-gateway/{ipv4-addr}+{ipv6-addr}
Element Attributes	health-check-gateway_attributes
Schema	`health-check-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/health-check-gateway

health-check-gateway attributes

```
POST /axapi/v3/cgnv6/lsn/health-check-gateway/
Payload:
{
    "health-check-gateway": {
        "ipv4-addr": "3.3.3.3"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/lsn/health-check-gateway

health-check-gateway attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/health-check-gateway/{ipv4-addr}+{ipv6-addr}

health-check-gateway attributes

```
GET /axapi/v3/cgnv6/lsn/health-check-gateway/3.3.3.3
Reponse:
{
    "health-check-gateway": {
        "ipv4-addr": "3.3.3.3",
        "uuid": "501f0410-601e-11d9-b5c1-001fa00680a0",
```

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```
        "a10-url": "/axapi/v3/cgnv6/lsn/health-check-gateway/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/lsn/health-check-gateway

health-check-gateway-list

Modify Object

POST

/axapi/v3/cgnv6/lsn/health-check-gateway/{ipv4-addr}+{ipv6-addr}

health-check-gateway attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/health-check-gateway/{ipv4-addr}+{ipv6-addr}

health-check-gateway attributes

```
PUT /axapi/v3/cgnv6/lsn/health-check-gateway/3.3.3.3
Payload:
{
    "health-check-gateway": {
        "ipv4-addr": "3.3.3.3"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/lsn/health-check-gateway

health-check-gateway-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/health-check-gateway/{ipv4-addr}+{ipv6-addr}

health-check-gateway attributes

```
DELETE /axapi/v3/cgnv6/lsn/health-check-gateway/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

health-check-gateway-list

health-check-gateway-list is **JSON List** of *health-check-gateway attributes*

health-check-gateway-list : [

{ *health-check-gateway attributes* },

{ *health-check-gateway attributes* },

...

]

health-check-gateway attributes

ipv4-addr

Description Specify IPv4 Gateway

Type: string

Format: ipv4-address

ipv6-addr

Description Specify IPv6 Gateway

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.81 cgnv6 lsn inside

Inside configuration for LSN

inside Specification

Type	*Intermediate Resource*
Element Name	inside
Element URI	/axapi/v3/cgnv6/lsn/inside
Element Attributes	inside_attributes
Schema	`inside schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn/inside

inside_attributes

inside attributes

source

Description: source is a **JSON Block**. Please see below for *source*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/inside/source*

source

Specification	
Type	*object*

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.82 cgnv6 lsn inside source

Source

source Specification

Type	*Configuration Resource*
Element Name	source
Element URI	/axapi/v3/cgnv6/lsn/inside/source
Element Attributes	source_attributes
Schema	`source schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/inside/source

source attributes

```
POST /axapi/v3/cgnv6/lsn/inside/source
Payload:
{
    "source": {
        "class-list": "a"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/inside/source

source attributes

```
GET /axapi/v3/cgnv6/lsn/inside/source
Reponse:
{
    "source": {
        "class-list": "a",
        "uuid": "691fca76-601e-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/inside/source"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/inside/source

source attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/inside/source

source attributes

```
PUT /axapi/v3/cgnv6/lsn/inside/source
Payload:
{
    "source": {
        "class-list": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/inside/source

source attributes

```
DELETE /axapi/v3/cgnv6/lsn/inside/source
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

source attributes

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.83 cgnv6 lsn-lid

Create an LSN Lid

lsn-lid Specification

Type	*Collection*
Object Key(s)	*lid-number*
Collection Name	*lsn-lid-list*
Collection URI	/axapi/v3/cgnv6/lsn-lid
Element Name	lsn-lid
Element URI	/axapi/v3/cgnv6/lsn-lid/{lid-number}
Element Attributes	lsn-lid_attributes
Schema	`lsn-lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn-lid

lsn-lid attributes

```
POST /axapi/v3/cgnv6/lsn-lid/
Payload:
{
    "lsn-lid": {
        "lid-number": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/lsn-lid

lsn-lid attributes

Get Object

GET

/axapi/v3/cgnv6/lsn-lid/{lid-number}

lsn-lid attributes

```
GET /axapi/v3/cgnv6/lsn-lid/1
Reponse:
{
    "lsn-lid": {
        "lid-number": 1,
```

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```
        "respond-to-user-mac": 0,
        "override": "none",
        "uuid": "79bff8ba-601e-11d9-b5c1-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/cgnv6/lsn-lid/1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/lsn-lid

lsn-lid-list

Modify Object

POST

/axapi/v3/cgnv6/lsn-lid/{lid-number}

lsn-lid attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn-lid/{lid-number}

lsn-lid attributes

```
PUT /axapi/v3/cgnv6/lsn-lid/1
Payload:
{
    "lsn-lid": {
        "lid-number": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/lsn-lid

lsn-lid-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn-lid/{lid-number}

lsn-lid attributes

```
DELETE /axapi/v3/cgnv6/lsn-lid/1
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

lsn-lid-list

lsn-lid-list is **JSON List** of *lsn-lid attributes*

lsn-lid-list : [

{ *lsn-lid attributes* },

{ *lsn-lid attributes* },

...

]

lsn-lid attributes

conn-rate-limit

Description: conn-rate-limit is a **JSON Block**. Please see below for *conn-rate-limit*

Type: Object

ds-lite

Description: ds-lite is a **JSON Block**. Please see below for *ds-lite*

Type: Object

extended-user-quota

Description: extended-user-quota is a **JSON Block**. Please see below for *extended-user-quota*

Type: Object

lid-number

Description LSN Lid

Type: number

Range: 1-1023

lsn-rule-list

Description: lsn-rule-list is a **JSON Block**. Please see below for *lsn-rule-list*

Type: Object

name

Description LSN Lid Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

override

Description 'none': Apply source NAT if configured (default); 'drop': Drop packets that match this LSN lid; 'pass-through': Layer-3 route packets that match this LSN lid and do not apply source NAT;

Type: string

Supported Values: none, drop, pass-through

Default: none

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-nat-pool

Description: source-nat-pool is a **JSON Block**. Please see below for *source-nat-pool*

Type: Object

user-quota

Description: user-quota is a **JSON Block**. Please see below for *user-quota*

Type: Object

user-quota-prefix-length

Description NAT64 user quota prefix length (Prefix Length (Default: Uses the global NAT64 configured value))

Type: number

Range: 1-128

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extended-user-quota

Specification	
Type	*object*

tcp

Type: List

udp

Type: List

extended-user-quota_udp

Specification	
Type	*list*
Block object keys	

udp-service-port

Description Port (Port Value)

Type: number

Range: 1-65535

udp-sessions

Description Number of Extended Quota sessions allowed for this service

Type: number

Range: 1-255

extended-user-quota_tcp

Specification	
Type	*list*
Block object keys	

tcp-service-port

Description Port (Port Value)

Type: number

Range: 1-65535

tcp-sessions

Description Number of Extended Quota sessions allowed for this service

Type: number

Range: 1-255

ds-lite

Specification	
Type	*object*

inside-src-permit-list

Description Class-List of IPv4 addresses permitted (Class-list to match for DS-Lite)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-quota

Specification	
Type	*object*

icmp

Description User Quota for ICMP identifiers (NAT port quota per user (default: not configured))

Type: number

Range: 1-64000

quota-tcp

Description: quota-tcp is a **JSON Block**. Please see below for *user-quota_quota-tcp*

Type: Object

quota-udp

Description: quota-udp is a **JSON Block**. Please see below for *user-quota_quota-udp*

Type: Object

session

Description User Quota for number of data sessions

Type: number

Range: 1-2147483647

user-quota_quota-tcp

Specification	
Type	*object*

tcp-quota

Description NAT port quota per user (default: not configured)

Type: number

Range: 1-64000

tcp-reserve

Description Number of ports to reserve per user (default: same as user-quota value) (Reserved quota per user (default: same as user-quota value))

Type: number

Range: 0-64000

user-quota_quota-udp

Specification	
Type	*object*

udp-quota

Description NAT port quota per user (default: not configured)

Type: number

Range: 1-64000

udp-reserve

Description Number of ports to reserve per user (default: same as user-quota value) (Reserved quota per user (default: same as user-quota value))

Type: number

Range: 0-64000

source-nat-pool

Specification	
Type	*object*

pool-name

Description Source NAT Pool or Pool-Group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Use a shared source NAT pool or pool-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Specification	
Type	*object*

conn-rate-limit-val

Description Maximum connections per second (Default: No limit)

Type: number

Range: 1-65535

lsn-rule-list

Specification	
Type	*object*

destination

Description Apply LSN Rule-List on Destination (LSN Rule-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list*

2.19.84 cgnv6 lsn per-instance

Dynamic LSN per VRID/UserGroup counters

per-instance Specification

Type	*Configuration Resource*
Element Name	per-instance
Element URI	/axapi/v3/cgnv6/lsn/per-instance
Element Attributes	per-instance_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/per-instance/stats
Schema	`per-instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/per-instance

per-instance attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/per-instance

per-instance attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/per-instance

per-instance attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/per-instance

per-instance attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/per-instance

per-instance attributes

per-instance attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	data_session_freed	8	Data Session Freed
	tcp_allocated	8	TCP Ports Allocated
	udp_fullcone_freed	8	UDP Full-cone Session Freed
	tcp_freed	8	TCP Ports Freed
	data_session_created	8	Data Session Created
	user_quota_put_in_del_q	8	User-Quota Freed
	icmp_allocated	8	ICMP Ports Allocated
	tcp_fullcone_created	8	TCP Full-cone Session Created
	tcp_fullcone_freed	8	TCP Full-cone Session Freed
	udp_freed	8	UDP Ports Freed
	udp_allocated	8	UDP Ports Allocated
	udp_fullcone_created	8	UDP Full-cone Session Created
	key-name	8	key-name
	user_quota_created	8	User-Quota Created
	icmp_freed	8	ICMP Ports Freed

2.19.85 cgnv6 lsn performance

Large-Scale NAT performance statistics

performance Specification

Type	*Configuration Resource*
Element Name	performance
Element URI	/axapi/v3/cgnv6/lsn/performance
Element Attributes	performance_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/performance/stats
Operational Data URI	/axapi/v3/cgnv6/lsn/performance/oper
Schema	`performance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/performance

performance attributes

```
POST /axapi/v3/cgnv6/lsn/performance
Payload:
{
    "performance": {
        "sampling-enable": [
```

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```
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/performance

performance attributes

```
GET /axapi/v3/cgnv6/lsn/performance
Reponse:
{
    "performance": {
        "uuid": "5abe56d2-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/lsn/performance"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/performance

performance attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/performance

performance attributes

```
PUT /axapi/v3/cgnv6/lsn/performance
Payload:
{
    "performance": {
        "sampling-enable": [
            {
                "counters1": "data-sessions-current-epoch"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/performance

performance attributes

```
DELETE /axapi/v3/cgnv6/lsn/performance
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

performance attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'data-sessions-current-epoch': data-sessions-current-epoch; 'fullcone-created-current-epoch': fullcone-created-current-epoch; 'user-quote-created-current-epoch': user-quote-created-current-epoch; 'data-sessions-previous-epoch-first': data-sessions-previous-epoch-first; 'fullcone-created-previous-epoch-first': fullcone-created-previous-epoch-first; 'user-quote-created-previous-epoch-first': user-quote-created-previous-epoch-first; 'data-sessions-previous-epoch-last': data-sessions-previous-epoch-last; 'fullcone-created-previous-epoch-last': fullcone-created-previous-epoch-last; 'user-quote-created-previous-epoch-last': user-quote-created-previous-epoch-last;

Type: string

Supported Values: all, data-sessions-current-epoch, fullcone-created-current-epoch, user-quote-created-current-epoch, data-sessions-previous-epoch-first, fullcone-created-previous-epoch-first, user-quote-created-previous-epoch-first, data-sessions-previous-epoch-last, fullcone-created-previous-epoch-last, user-quote-created-previous-epoch-last

stats data

	Counter	Size	Description
	fullcone-created-previous-epoch-first	8	fullcone-created-previous-epoch-first
	fullcone-created-previous-epoch-last	8	fullcone-created-previous-epoch-last
	data-sessions-previous-epoch-first	8	data-sessions-previous-epoch-first
	user-quote-created-current-epoch	8	user-quote-created-current-epoch
	user-quote-created-previous-epoch-first	8	user-quote-created-previous-epoch-first
	user-quote-created-previous-epoch-last	8	user-quote-created-previous-epoch-last
	fullcone-created-current-epoch	8	fullcone-created-current-epoch
	data-sessions-previous-epoch-last	8	data-sessions-previous-epoch-last
	data-sessions-current-epoch	8	data-sessions-current-epoch

operational data

	Counter	Size	Description
	user-quotas	number	user-quotas
	full-cone-sessions	number	full-cone-sessions
	data-sessions	number	data-sessions

2.19.86 cgnv6 lsn port-overloading

Configure Port-Overloading Behavior (default: disabled)

port-overloading Specification

Type	*Intermediate Resource*
Element Name	port-overloading
Element URI	/axapi/v3/cgnv6/lsn/port-overloading
Element Attributes	port-overloading_attributes
Schema	`port-overloading schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn/port-overloading

port-overloading_attributes

port-overloading attributes

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/global*

port-overloading-status

Description: port-overloading-status is a **JSON Block**. Please see below for *port-overloading-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/port-overloading/udp*

port-overloading-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

global

Specification	
Type	*object*

allow-different-user

Description Allow different users to overload the same port (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unique

Description 'destination-address': Allow overloading when the destination addresses is unique; 'destination-address-and-port': Allow overloading when the destination address and port 2-tuple is unique (default);

Type: string

Supported Values: destination-address, destination-address-and-port

Default: destination-address-and-port

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.87 cgnv6 lsn port-overloading global

Configure Port-Overloading Behavior

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/lsn/port-overloading/global
Element Attributes	global_attributes
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/port-overloading/global

global attributes

```
POST /axapi/v3/cgnv6/lsn/port-overloading/global
Payload:
{
    "global": {
        "allow-different-user": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/port-overloading/global

global attributes

```
GET /axapi/v3/cgnv6/lsn/port-overloading/global
Reponse:
{
    "global": {
        "allow-different-user": 1,
        "unique": "destination-address-and-port",
        "uuid": "5abe65a0-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/port-overloading/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/port-overloading/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/port-overloading/global

global attributes

```
PUT /axapi/v3/cgnv6/lsn/port-overloading/global
Payload:
{
    "global": {
        "allow-different-user": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/port-overloading/global

global attributes

```
DELETE /axapi/v3/cgnv6/lsn/port-overloading/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

allow-different-user

Description Allow different users to overload the same port (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unique

Description 'destination-address': Allow overloading when the destination addresses is unique; 'destination-address-and-port': Allow overloading when the destination address and port 2-tuple is unique (default);

Type: string

Supported Values: destination-address, destination-address-and-port

Default: destination-address-and-port

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.88 cgnv6 lsn port-overloading port-overloading-status

Show port-overloading-status

port-overloading-status Specification

Type	*Configuration Resource*
Element Name	port-overloading-status
Element URI	/axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status
Element Attributes	port-overloading-status_attributes
Operational Data URI	/axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status/oper
Schema	`port-overloading-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status

port-overloading-status attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status

port-overloading-status attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status

port-overloading-status attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status

port-overloading-status attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/port-overloading/port-overloading-status

port-overloading-status attributes

port-overloading-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	udp-list		udp-list
	unique	string	unique
	tcp-list		tcp-list

2.19.89 cgnv6 lsn port-overloading tcp

Set behavior for TCP only

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/cgnv6/lsn/port-overloading/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/port-overloading/tcp

tcp attributes

```
POST /axapi/v3/cgnv6/lsn/port-overloading/tcp
Payload:
{
    "tcp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/port-overloading/tcp

tcp attributes

```
GET /axapi/v3/cgnv6/lsn/port-overloading/tcp
Reponse:
{
    "tcp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ],
        "uuid": "157de352-601f-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/port-overloading/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/port-overloading/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/port-overloading/tcp

tcp attributes

```
PUT /axapi/v3/cgnv6/lsn/port-overloading/tcp
Payload:
{
    "tcp": {
        "port-list": [
            {
                "port": 2,
                "port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/port-overloading/tcp

tcp attributes

```
DELETE /axapi/v3/cgnv6/lsn/port-overloading/tcp
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Please save your configuration and reload or reboot for it to take␣
↪effect\n"
    }
}
```

tcp attributes

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.90 cgnv6 lsn port-overloading udp

Set behavior for UDP only

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/cgnv6/lsn/port-overloading/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/port-overloading/udp

udp attributes

```
POST /axapi/v3/cgnv6/lsn/port-overloading/udp
Payload:
{
    "udp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/port-overloading/udp

udp attributes

```
GET /axapi/v3/cgnv6/lsn/port-overloading/udp
Reponse:
{
    "udp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ],
        "uuid": "28149eb6-601f-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/port-overloading/udp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/port-overloading/udp

udp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/port-overloading/udp

udp attributes

```
PUT /axapi/v3/cgnv6/lsn/port-overloading/udp
Payload:
{
    "udp": {
        "port-list": [
            {
                "port": 2,
                "port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/port-overloading/udp

udp attributes

```
DELETE /axapi/v3/cgnv6/lsn/port-overloading/udp
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Please save your configuration and reload or reboot for it to take␣
↪effect\n"
    }
}
```

udp attributes

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.91 cgnv6 lsn port-reservation

Set Port Reservations

port-reservation Specification

Type	*Collection*
Object Key(s)	*inside, inside-port-start, inside-port-end, nat, nat-port-start, nat-port-end*
Collection Name	*port-reservation-list*
Collection URI	/axapi/v3/cgnv6/lsn/port-reservation
Element Name	port-reservation
Element URI	/axapi/v3/cgnv6/lsn/port-reservation/{inside}+{inside-port-start}+{inside-port-end}+{nat}+{nat-port-start}+{nat-port-end}
Element Attributes	port-reservation_attributes
Schema	`port-reservation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/port-reservation

port-reservation attributes

```
POST /axapi/v3/cgnv6/lsn/port-reservation/
Payload:
{
    "port-reservation": {
        "inside-port-start": 1,
        "nat-port-start": 3,
        "inside-port-end": 2,
        "inside": "3.3.3.3",
        "nat": "99.1.1.1",
        "nat-port-end": 4
    }
}
```

Create List

POST

/axapi/v3/cgnv6/lsn/port-reservation

port-reservation attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/port-reservation/{inside}+{inside-port-start}+{inside-port-end}+{nat}+{nat-port-start}+{nat-port-end}

port-reservation attributes

```
GET /axapi/v3/cgnv6/lsn/port-reservation/3.3.3.3+1+2+99.1.1.1+3+4
Reponse:
{
    "port-reservation": {
        "inside": "3.3.3.3",
        "inside-port-start": 1,
        "inside-port-end": 2,
        "nat": "99.1.1.1",
        "nat-port-start": 3,
        "nat-port-end": 4,
        "uuid": "384c6110-601f-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/port-reservation/3.3.3.3+1+2+99.1.1.1+3+4"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/lsn/port-reservation

port-reservation-list

Modify Object

POST

/axapi/v3/cgnv6/lsn/port-reservation/{inside}+{inside-port-start}+{inside-port-end}+{nat}+{nat-port-start}+{nat-port-end}

port-reservation attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/port-reservation/{inside}+{inside-port-start}+{inside-port-end}+{nat}+{nat-port-start}+{nat-port-end}

port-reservation attributes

```
PUT /axapi/v3/cgnv6/lsn/port-reservation/3.3.3.3+1+2+99.1.1.1+3+4
Payload:
{
    "port-reservation": {
        "inside-port-start": 1,
        "nat-port-start": 3,
        "inside-port-end": 2,
        "inside": "3.3.3.3",
        "nat": "99.1.1.1",
        "nat-port-end": 4
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/lsn/port-reservation

port-reservation-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/port-reservation/{inside}+{inside-port-start}+{inside-port-end}+{nat}+{nat-port-start}+{nat-port-end}

port-reservation attributes

```
DELETE /axapi/v3/cgnv6/lsn/port-reservation/3.3.3.3+1+2+99.1.1.1+3+4
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

port-reservation-list

port-reservation-list is **JSON List** of *port-reservation attributes*

port-reservation-list : [

{ *port-reservation attributes* },

{ *port-reservation attributes* },

...

]

port-reservation attributes

inside

Description Inside User Address and Port Range (Inside User IP address)

Type: string

Format: ipv4-address

inside-port-end

Description Inside End Port

Type: number

Range: 1-65535

inside-port-start

Description Inside Start Port

Type: number

Range: 1-65535

nat

Description NAT IP address

Type: string

Format: ipv4-address

nat-port-end

Description NAT End Port

Type: number

Range: 1-65535

nat-port-start

Description NAT Start Port

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.92 cgnv6 lsn port-reservation-entries

LSN Static Port Reservation

port-reservation-entries Specification

Type	*Configuration Resource*
Element Name	port-reservation-entries
Element URI	/axapi/v3/cgnv6/lsn/port-reservation-entries
Element Attributes	port-reservation-entries_attributes
Operational Data URI	/axapi/v3/cgnv6/lsn/port-reservation-entries/oper
Schema	`port-reservation-entries schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/port-reservation-entries

port-reservation-entries attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/port-reservation-entries

port-reservation-entries attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/port-reservation-entries

port-reservation-entries attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/port-reservation-entries

port-reservation-entries attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/port-reservation-entries

port-reservation-entries attributes

port-reservation-entries attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	entry-list		entry-list
	entry-count	number	entry-count

2.19.93 cgnv6 lsn radius

Configure the Interaction with External RADIUS Servers

radius Specification

Type	*Intermediate Resource*
Element Name	radius
Element URI	/axapi/v3/cgnv6/lsn/radius
Element Attributes	radius_attributes
Schema	`radius schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn/radius

radius_attributes

radius attributes

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/radius/server*

server

Specification	
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated;

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

server_remote

Specification	
Type	*object*

ip-list

Type: List

server_remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'radius-table-full': RADIUS Request Dropped (Table Full); 'ha-standby-dropped': HA Standby Dropped; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received;

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-

sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

server_attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

2.19.94 cgnv6 lsn-radius-profile

Configure LSN RADIUS Profile

lsn-radius-profile Specification

Type	*Collection*
Object Key(s)	*lid-profile-index*
Collection Name	*lsn-radius-profile-list*
Collection URI	/axapi/v3/cgnv6/lsn-radius-profile
Element Name	lsn-radius-profile
Element URI	/axapi/v3/cgnv6/lsn-radius-profile/{lid-profile-index}
Element Attributes	lsn-radius-profile_attributes
Schema	`lsn-radius-profile schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn-radius-profile

lsn-radius-profile attributes

```
POST /axapi/v3/cgnv6/lsn-radius-profile/
Payload:
{
    "lsn-radius-profile": {
        "lid-profile-index": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/lsn-radius-profile

lsn-radius-profile attributes

Get Object

GET

/axapi/v3/cgnv6/lsn-radius-profile/{lid-profile-index}

lsn-radius-profile attributes

```
GET /axapi/v3/cgnv6/lsn-radius-profile/1
Reponse:
{
    "lsn-radius-profile": {
        "lid-profile-index": 1,
        "uuid": "53604dc2-601f-11d9-b5c1-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/cgnv6/lsn-radius-profile/1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/lsn-radius-profile

lsn-radius-profile-list

Modify Object

POST

/axapi/v3/cgnv6/lsn-radius-profile/{lid-profile-index}

lsn-radius-profile attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn-radius-profile/{lid-profile-index}

lsn-radius-profile attributes

```
PUT /axapi/v3/cgnv6/lsn-radius-profile/1
Payload:
{
    "lsn-radius-profile": {
        "lid-profile-index": 1,
        "user-tag": "abc"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/lsn-radius-profile

lsn-radius-profile-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn-radius-profile/{lid-profile-index}

lsn-radius-profile attributes

```
DELETE /axapi/v3/cgnv6/lsn-radius-profile/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lsn-radius-profile-list

lsn-radius-profile-list is **JSON List** of *lsn-radius-profile attributes*

lsn-radius-profile-list : [

{ *lsn-radius-profile attributes* },

{ *lsn-radius-profile attributes* },

...

]

lsn-radius-profile attributes

lid-profile-index

Description LSN RADIUS Profile Index

Type: number

Range: 1-16

radius

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

radius

Specification	
Type	*list*
Block object keys	

attribute

Description 'custom1': Configure RADIUS Attribute Custom 1; 'custom2': Configure RADIUS Attribute Custom 2; 'custom3': Configure RADIUS Attribute Custom 3; 'imei': Configure RADIUS Attribute IMEI; 'imsi': Configure RADIUS Attribute IMSI; 'msisdn': Configure RADIUS Attribute MSISDN; 'default': Configure default;

Type: string

Supported Values: custom1, custom2, custom3, custom4, custom5, custom6, imei, imsi, msisdn, default

default-lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

exact-value

Description Value of the attribute

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

exact-value-lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

starts-with

Description Value of the attribute

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

starts-with-lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

2.19.95 cgnv6 lsn radius server

Configure system as a RADIUS server

server Specification

Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/cgnv6/lsn/radius/server
Element Attributes	server_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn/radius/server/stats
Operational Data URI	/axapi/v3/cgnv6/lsn/radius/server/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/radius/server

server attributes

```
POST /axapi/v3/cgnv6/lsn/radius/server
Payload:
{
    "server": {
        "listen-port": 1024
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/radius/server

server attributes

```
GET /axapi/v3/cgnv6/lsn/radius/server
Reponse:
{
    "server": {
        "listen-port": 1024,
        "secret": 0,
        "disable-reply": 0,
        "accounting-start": "append-entry",
        "accounting-stop": "delete-entry",
        "accounting-interim-update": "ignore",
        "accounting-on": "ignore",
        "uuid": "5abe6230-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/radius/server"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/radius/server

server attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/radius/server

server attributes

```
PUT /axapi/v3/cgnv6/lsn/radius/server
Payload:
{
    "server": {
        "listen-port": 1025
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/radius/server

server attributes

```
DELETE /axapi/v3/cgnv6/lsn/radius/server
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

server attributes

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated;

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

remote

Specification	
Type	*object*

ip-list

Type: List

remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'radius-table-full': RADIUS Request Dropped (Table Full); 'ha-standby-dropped': HA Standby Dropped; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received;

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber

Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

stats data

	Counter	Size	Description
	secret-not-configured-dropped	8	RADIUS Secret Not Configured Dropped
	smp-created	8	RADIUS SMP Created
	radius-request-dropped	8	RADIUS Request Dropped (Malformed Packet)
	imsi-received	8	IMSI Received
	invalid-key	8	Radius Request has Invalid Key Field
	request-bad-secret-dropped	8	RADIUS Request Bad Secret Dropped
	ha-standby-dropped	8	HA Standby Dropped
	custom-received	8	Custom attribute Received
	imei-received	8	IMEI Received
	request-no-key-vap-dropped	8	RADIUS Request No Key Attribute Dropped
	smp-deleted	8	RADIUS SMP Deleted
	radius-table-full	8	RADIUS Request Dropped (Table Full)
	msisdn-received	8	MSISDN Received
	request-malformed-dropped	8	RADIUS Request Malformed Dropped
	request-ignored	8	RADIUS Request Ignored
	ipv6-prefix-length-mismatch	8	Framed IPV6 Prefix Length Mismatch
	radius-request-received	8	RADIUS Request Received

operational data

	Counter	Size	Description
	radius-table-entries-list		radius-table-entries-list
	custom-attr-value	string	custom-attr-value
	starts-with	flag	starts-with
	custom-attr-name	string	custom-attr-name
	case-insensitive	flag	case-insensitive
	total-entries	number	total-entries

2.19.96 cgnv6 lsn-rule-list

Configure LSN Rule-List

lsn-rule-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*lsn-rule-list-list*
Collection URI	/axapi/v3/cgnv6/lsn-rule-list
Element Name	lsn-rule-list
Element URI	/axapi/v3/cgnv6/lsn-rule-list/{name}
Element Attributes	lsn-rule-list_attributes
Schema	`lsn-rule-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn-rule-list

lsn-rule-list attributes

```
POST /axapi/v3/cgnv6/lsn-rule-list/
Payload:
{
    "lsn-rule-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/lsn-rule-list

lsn-rule-list attributes

Get Object

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}

lsn-rule-list attributes

```
GET /axapi/v3/cgnv6/lsn-rule-list/a
Reponse:
{
    "lsn-rule-list": {
        "name": "a",
        "http-match-domain-name": 0,
        "uuid": "bc705f32-601f-11d9-b5c1-001fa00680a0",
        "user-tag": "a",
        "domain-ip": {
            "uuid": "bc706a36-601f-11d9-b5c1-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/lsn-rule-list/a/domain-ip"
        },
        "default": {
            "uuid": "bc706b80-601f-11d9-b5c1-001fa00680a0",
            "a10-url": "/axapi/v3/cgnv6/lsn-rule-list/a/default"
        },
        "a10-url": "/axapi/v3/cgnv6/lsn-rule-list/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/lsn-rule-list

lsn-rule-list-list

Modify Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}

lsn-rule-list attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}

lsn-rule-list attributes

```
PUT /axapi/v3/cgnv6/lsn-rule-list/a
Payload:
{
    "lsn-rule-list": {
```

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```
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/lsn-rule-list

lsn-rule-list-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn-rule-list/{name}

lsn-rule-list attributes

```
DELETE /axapi/v3/cgnv6/lsn-rule-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lsn-rule-list-list

lsn-rule-list-list is **JSON List** of *lsn-rule-list attributes*

lsn-rule-list-list : [

{ *lsn-rule-list attributes* },

{ *lsn-rule-list attributes* },

...

]

lsn-rule-list attributes

default

Description: default is a **JSON Block**. Please see below for *default*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/default*

domain-ip

Description: domain-ip is a **JSON Block**. Please see below for *domain-ip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip*

domain-list-name-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}*

domain-name-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}*

http-match-domain-name

Description Enable match domain name in http request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}*

name

Description LSN Rule-List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-ip

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-ip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

default

Specification	
Type	*object*

rule-cfg

Type: List

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

default_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

default_rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *default_rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *default_rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *default_rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *default_rule-cfg_udp-cfg*

Type: Object

default_rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

default_rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

default_rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000;

'1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

default_rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

ip-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description Configure a Specific Rule-Set (IP Network Address)

Type: string

Format: ipv4-cidr

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

ip-list_rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *ip-list_rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *ip-list_rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *ip-list_rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *ip-list_rule-cfg_udp-cfg*

Type: Object

ip-list_rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'idle-timeout': Configure idle timeout;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, idle-timeout

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,

17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

fast

Description 'fast': Fast Aging;

Type: string

Supported Values: fast

Mutual Exclusion: fast and timeout-val are mutually exclusive

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

timeout-val

Description Timeout in seconds

Type: number

Range: 2-129600

Mutual Exclusion: timeout-val and fast are mutually exclusive

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

ip-list_rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template; 'idle-timeout': Configure idle timeout;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template, idle-timeout

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

fast

Description 'fast': Fast Aging;

Type: string

Supported Values: fast

Mutual Exclusion: fast and timeout-val are mutually exclusive

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

timeout-val

Description Timeout in seconds

Type: number

Range: 2-129600

Mutual Exclusion: timeout-val and fast are mutually exclusive

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

ip-list_rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ip-list_rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

domain-list-name-list

Specification	
Type	*list*
Block object keys	

name-domain-list

Description Configure a Specific Rule-Set (Domain List Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

domain-list-name-list_rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *domain-list-name-list_rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *domain-list-name-list_rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protocol; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocol; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *domain-list-name-list_rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *domain-list-name-list_rule-cfg_udp-cfg*

Type: Object

domain-list-name-list_rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

domain-list-name-list_rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

domain-list-name-list_rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000;

'1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

domain-list-name-list_rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

domain-name-list

Specification	
Type	*list*
Block object keys	

name-domain

Description Configure a Specific Rule-Set (Domain Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

domain-name-list_rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *domain-name-list_rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *domain-name-list_rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *domain-name-list_rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *domain-name-list_rule-cfg_udp-cfg*

Type: Object

domain-name-list_rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55':

110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

domain-name-list_rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16':

010000; ‘17’: 010001; ‘18’: 010010; ‘19’: 010011; ‘20’: 010100; ‘21’: 010101; ‘22’: 010110; ‘23’: 010111; ‘24’: 011000; ‘25’: 011001; ‘26’: 011010; ‘27’: 011011; ‘28’: 011100; ‘29’: 011101; ‘30’: 011110; ‘31’: 011111; ‘32’: 100000; ‘33’: 100001; ‘34’: 100010; ‘35’: 100011; ‘36’: 100100; ‘37’: 100101; ‘38’: 100110; ‘39’: 100111; ‘40’: 101000; ‘41’: 101001; ‘42’: 101010; ‘43’: 101011; ‘44’: 101100; ‘45’: 101101; ‘46’: 101110; ‘47’: 101111; ‘48’: 110000; ‘49’: 110001; ‘50’: 110010; ‘51’: 110011; ‘52’: 110100; ‘53’: 110101; ‘54’: 110110; ‘55’: 110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

domain-name-list_rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

domain-name-list_rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

2.19.97 cgnv6 lsn-rule-list default

Configure the Generic Rule-Set

default Specification

Type	*Configuration Resource*
Element Name	default
Element URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/default
Element Attributes	default_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/default/stats
Operational Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/default/oper
Schema	`default schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/default

default attributes

```
POST /axapi/v3/cgnv6/lsn-rule-list/a/default
Payload:
{
    "default": {
        "rule-cfg": [
            {
                "proto": "tcp",
                "tcp-cfg": {
                    "start-port": 2,
                    "end-port": 3,
                    "action-type": "dnat",
                    "action-cfg": "action",
                    "ipv4-list": "a",
                    "no-snat": 1
                }
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}/default

default attributes

```
GET /axapi/v3/cgnv6/lsn-rule-list/a/default
Reponse:
{
    "default": {
        "rule-cfg": [
            {
                "proto": "tcp",
                "tcp-cfg": {
                    "start-port": 2,
                    "end-port": 3,
                    "action-cfg": "action",
                    "action-type": "dnat",
                    "ipv4-list": "a",
                    "no-snat": 1
                }
            }
        ],
        "uuid": "0bc92cb2-6020-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn-rule-list/a/default"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/default

default attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}/default

default attributes

```
PUT /axapi/v3/cgnv6/lsn-rule-list/a/default
Payload:
{
    "default": {
        "rule-cfg": [
            {
                "proto": "tcp",
                "tcp-cfg": {
                    "start-port": 3,
                    "end-port": 4,
                    "action-type": "dnat",
                    "action-cfg": "action",
                    "ipv4-list": "abcd",
                    "no-snat": 0
                }
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn-rule-list/{name}/default

default attributes

```
DELETE /axapi/v3/cgnv6/lsn-rule-list/a/default
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

default attributes

rule-cfg

Type: List

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *rule-cfg_udp-cfg*

Type: Object

rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55':

110111; ‘56’: 111000; ‘57’: 111001; ‘58’: 111010; ‘59’: 111011; ‘60’: 111100; ‘61’: 111101; ‘62’: 111110; ‘63’: 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110;

'23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

operational data

	Counter	Size	Description
	rule-count	number	rule-count
	rule-list		rule-list

2.19.98 cgnv6 lsn-rule-list domain-ip

Domain IP for LSN Rule-List

domain-ip Specification

Type	*Configuration Resource*
Element Name	domain-ip
Element URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip
Element Attributes	domain-ip_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip/stats
Operational Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip/oper
Schema	`domain-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip

domain-ip attributes

Get Object

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip

domain-ip attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip

domain-ip attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip

domain-ip attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-ip

domain-ip attributes

domain-ip attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

operational data

	Counter	Size	Description
	ip-list		ip-list

2.19.99 cgnv6 lsn-rule-list domain-list-name

Configure a Specific Rule-Set (Domain List Name)

domain-list-name Specification

Type	*Collection*
Object Key(s)	*name-domain-list*
Collection Name	*domain-list-name-list*
Collection URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name
Element Name	domain-list-name
Element URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}
Element Attributes	domain-list-name_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}/stats
Operational Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}/oper
Schema	`domain-list-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name

domain-list-name attributes

Create List

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name

domain-list-name attributes

Get Object

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}

domain-list-name attributes

Get List

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name

domain-list-name-list

Modify Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}

domain-list-name attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}

domain-list-name attributes

Replace List

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name

domain-list-name-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-list-name/{name-domain-list}

domain-list-name attributes

domain-list-name-list

domain-list-name-list is **JSON List** of *domain-list-name attributes*

domain-list-name-list : [

{ *domain-list-name attributes* },

{ *domain-list-name attributes* },

...

]

domain-list-name attributes

name-domain-list

Description Configure a Specific Rule-Set (Domain List Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *rule-cfg_udp-cfg*

Type: Object

rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000;

'1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

operational data

	Counter	Size	Description
	rule-count	number	rule-count
	rule-list		rule-list

2.19.100 cgnv6 lsn-rule-list domain-name

Configure a Specific Rule-Set (Domain Name)

domain-name Specification

Type	*Collection*
Object Key(s)	*name-domain*
Collection Name	*domain-name-list*
Collection URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name
Element Name	domain-name
Element URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}
Element Attributes	domain-name_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}/stats
Operational Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}/oper
Schema	`domain-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name

domain-name attributes

Create List

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name

domain-name attributes

Get Object

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}

domain-name attributes

Get List

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name

domain-name-list

Modify Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}

domain-name attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}

domain-name attributes

Replace List

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name

domain-name-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn-rule-list/{name}/domain-name/{name-domain}

domain-name attributes

domain-name-list

domain-name-list is **JSON List** of *domain-name attributes*

domain-name-list : [

{ *domain-name attributes* },

{ *domain-name attributes* },

...

]

domain-name attributes

name-domain

Description Configure a Specific Rule-Set (Domain Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *rule-cfg_udp-cfg*

Type: Object

rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000;

'1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

operational data

	Counter	Size	Description
	rule-count	number	rule-count
	rule-list		rule-list

2.19.101 cgnv6 lsn-rule-list ip

Configure a Specific Rule-Set (IP Network Address)

ip Specification

Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ip-list*
Collection URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/ip
Element Name	ip
Element URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}
Element Attributes	ip_attributes
Statistics Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}/stats
Operational Data URI	/axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}/oper
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/ip

ip attributes

Create List

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/ip

ip attributes

Get Object

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}

ip attributes

Get List

GET

/axapi/v3/cgnv6/lsn-rule-list/{name}/ip

ip-list

Modify Object

POST

/axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}

ip attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}

ip attributes

Replace List

PUT

/axapi/v3/cgnv6/lsn-rule-list/{name}/ip

ip-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn-rule-list/{name}/ip/{ipv4-addr}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

ipv4-addr

Description Configure a Specific Rule-Set (IP Network Address)

Type: string

Format: ipv4-cidr

rule-cfg

Type: List

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'placeholder': placeholder;

Type: string

Supported Values: all, placeholder

rule-cfg

Specification	
Type	*list*
Block object keys	

dscp-cfg

Description: dscp-cfg is a **JSON Block**. Please see below for *rule-cfg_dscp-cfg*

Type: Object

icmp-others-cfg

Description: icmp-others-cfg is a **JSON Block**. Please see below for *rule-cfg_icmp-others-cfg*

Type: Object

proto

Description 'tcp': TCP L4 Protoco; 'udp': UDP L4 Protocol; 'icmp': ICMP L4 Protocol; 'others': Other L4 Protocl; 'dscp': Match dscp value;

Type: string

Supported Values: tcp, udp, icmp, others, dscp

tcp-cfg

Description: tcp-cfg is a **JSON Block**. Please see below for *rule-cfg_tcp-cfg*

Type: Object

udp-cfg

Description: udp-cfg is a **JSON Block**. Please see below for *rule-cfg_udp-cfg*

Type: Object

rule-cfg_udp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'idle-timeout': Configure idle timeout;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, idle-timeout

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

fast

Description 'fast': Fast Aging;

Type: string

Supported Values: fast

Mutual Exclusion: fast and timeout-val are mutually exclusive

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

timeout-val

Description Timeout in seconds

Type: number

Range: 2-129600

Mutual Exclusion: timeout-val and fast are mutually exclusive

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

rule-cfg_tcp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets; 'template': Template; 'idle-timeout': Configure idle timeout;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp, template, idle-timeout

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

end-port

Description End of Port Range (inclusive)

Type: number

Range: 1-65535

fast

Description 'fast': Fast Aging;

Type: string

Supported Values: fast

Mutual Exclusion: fast and timeout-val are mutually exclusive

http-alg

Description HTTP-ALG Template (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Description Port-List Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-port

Description Single Port or Start of Port Range (inclusive), Port 0 is Match Any Port

Type: number

Range: 0-65535

timeout-val

Description Timeout in seconds

Type: number

Range: 2-129600

Mutual Exclusion: timeout-val and fast are mutually exclusive

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

rule-cfg_dscp-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action;

Type: string

Supported Values: action

action-type

Description 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-match

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); 'any': Match any dscp value; '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, any, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

rule-cfg_icmp-others-cfg

Specification	
Type	*object*

action-cfg

Description 'action': LSN Rule-List Action; 'no-action': Exclude LSN Rule-List Action;

Type: string

Supported Values: action, no-action

action-type

Description 'dnat': Apply Dest NAT; 'drop': Drop the Packets; 'one-to-one-snat': Apply one-to-one source NAT for the packets; 'pass-through': Pass the Packets Through; 'snat': Redirect the Packets to a Different Source NAT Pool; 'set-dscp': To set dscp value for the packets;

Type: string

Supported Values: dnat, drop, one-to-one-snat, pass-through, snat, set-dscp

dscp-direction

Description 'inbound': To set dscp value for inbound packets; 'outbound': To set dscp value for outbound packets;

Type: string

Supported Values: inbound, outbound

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ipv4-list

Description IP-List (IP-List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

no-snat

Description Disable source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pool

Description NAT Pool (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description The pool is a shared pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description VRRP-A vrid

Type: number

Range: 1-31

operational data

	Counter	Size	Description
	rule-count	number	rule-count
	rule-list		rule-list

2.19.102 cgnv6 lsn stun-timeout

Set STUN timeout

stun-timeout Specification

Type	*Intermediate Resource*
Element Name	stun-timeout
Element URI	/axapi/v3/cgnv6/lsn/stun-timeout
Element Attributes	stun-timeout_attributes
Schema	`stun-timeout schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn/stun-timeout

stun-timeout_attributes

stun-timeout attributes

tcp-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/stun-timeout/tcp/{port-start}+{port-end}*

udp-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lsn/stun-timeout/udp/{port-start}+{port-end}*

udp-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range (Port Range End)

Type: number

Range: 1-65535

port-start

Description Port Range (Port Range Start)

Type: number

Range: 1-65535

timeout

Description STUN timeout in minutes (default: 2 minutes)

Type: number

Range: 0-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range (Port Range End)

Type: number

Range: 1-65535

port-start

Description Port Range (Port Range Start)

Type: number

Range: 1-65535

timeout

Description STUN timeout in minutes (default: 2 minutes)

Type: number

Range: 0-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.103 cgnv6 lsn stun-timeout tcp

Set TCP STUN timeout

tcp Specification

Type	*Collection*
Object Key(s)	*port-start, port-end*
Collection Name	*tcp-list*
Collection URI	/axapi/v3/cgnv6/lsn/stun-timeout/tcp
Element Name	tcp
Element URI	/axapi/v3/cgnv6/lsn/stun-timeout/tcp/{port-start}+{port-end}
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/stun-timeout/tcp

tcp attributes

```
POST /axapi/v3/cgnv6/lsn/stun-timeout/tcp/
Payload:
{
    "tcp": {
        "port-start": 1,
        "port-end": 1,
        "timeout": 0
    }
}
```

Create List

POST

/axapi/v3/cgnv6/lsn/stun-timeout/tcp

tcp attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/stun-timeout/tcp/{port-start}+{port-end}

tcp attributes

```
GET /axapi/v3/cgnv6/lsn/stun-timeout/tcp/1+1
Reponse:
{
    "tcp": {
        "port-start": 1,
        "port-end": 1,
        "timeout": 0,
        "uuid": "53a2d0d4-6024-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/stun-timeout/tcp/1+1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/lsn/stun-timeout/tcp

tcp-list

Modify Object

POST

/axapi/v3/cgnv6/lsn/stun-timeout/tcp/{port-start}+{port-end}

tcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/stun-timeout/tcp/{port-start}+{port-end}

tcp attributes

```
PUT /axapi/v3/cgnv6/lsn/stun-timeout/tcp/1+1
Payload:
{
    "tcp": {
        "port-start": 1,
        "port-end": 1,
        "timeout": 0
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/lsn/stun-timeout/tcp

tcp-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/stun-timeout/tcp/{port-start}+{port-end}

tcp attributes

```
DELETE /axapi/v3/cgnv6/lsn/stun-timeout/tcp/1+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp-list

tcp-list is **JSON List** of *tcp attributes*

tcp-list : [

{ *tcp attributes* },

{ *tcp attributes* },

...

]

tcp attributes

port-end

Description Port Range (Port Range End)

Type: number

Range: 1-65535

port-start

Description Port Range (Port Range Start)

Type: number

Range: 1-65535

timeout

Description STUN timeout in minutes (default: 2 minutes)

Type: number

Range: 0-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.104 cgnv6 lsn stun-timeout udp

Set UDP STUN timeout

udp Specification

Type	*Collection*
Object Key(s)	*port-start, port-end*
Collection Name	*udp-list*
Collection URI	/axapi/v3/cgnv6/lsn/stun-timeout/udp
Element Name	udp
Element URI	/axapi/v3/cgnv6/lsn/stun-timeout/udp/{port-start}+{port-end}
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/stun-timeout/udp

udp attributes

```
POST /axapi/v3/cgnv6/lsn/stun-timeout/udp/
Payload:
{
    "udp": {
        "port-start": 1,
        "port-end": 1,
        "timeout": 0
    }
}
```

Create List

POST

/axapi/v3/cgnv6/lsn/stun-timeout/udp

udp attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/stun-timeout/udp/{port-start}+{port-end}

udp attributes

```
GET /axapi/v3/cgnv6/lsn/stun-timeout/udp/1+1
Reponse:
{
    "udp": {
        "port-start": 1,
        "port-end": 1,
        "timeout": 0,
        "uuid": "6100ea7c-6024-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/stun-timeout/udp/1+1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/lsn/stun-timeout/udp

udp-list

Modify Object

POST

/axapi/v3/cgnv6/lsn/stun-timeout/udp/{port-start}+{port-end}

udp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/stun-timeout/udp/{port-start}+{port-end}

udp attributes

```
PUT /axapi/v3/cgnv6/lsn/stun-timeout/udp/1+1
Payload:
{
    "udp": {
        "port-start": 1,
        "port-end": 1,
        "timeout": 0
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/lsn/stun-timeout/udp

udp-list

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/stun-timeout/udp/{port-start}+{port-end}

udp attributes

```
DELETE /axapi/v3/cgnv6/lsn/stun-timeout/udp/1+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

udp-list

udp-list is **JSON List** of *udp attributes*

udp-list : [

{ *udp attributes* },

{ *udp attributes* },

...

]

udp attributes

port-end

Description Port Range (Port Range End)

Type: number

Range: 1-65535

port-start

Description Port Range (Port Range Start)

Type: number

Range: 1-65535

timeout

Description STUN timeout in minutes (default: 2 minutes)

Type: number

Range: 0-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.105 cgnv6 lsn system-status

system-status Specification

Type	*Configuration Resource*
Element Name	system-status
Element URI	/axapi/v3/cgnv6/lsn/system-status
Element Attributes	system-status_attributes
Operational Data URI	/axapi/v3/cgnv6/lsn/system-status/oper
Schema	`system-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/system-status

system-status attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/system-status

system-status attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/system-status

system-status attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/system-status

system-status attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/system-status

system-status attributes

system-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	smp-sessions-free	number	smp-sessions-free
	udp-nat-ports-used	number	udp-nat-ports-used
	tcp-nat-ports-free	number	tcp-nat-ports-free
	radius-entries-free	number	radius-entries-free
	smp-sessions-used	number	smp-sessions-used
	data-sessions-free	number	data-sessions-free
	udp-nat-ports-free	number	udp-nat-ports-free
	data-sessions-used	number	data-sessions-used
	tcp-nat-ports-used	number	tcp-nat-ports-used
	lsn-cps	number	lsn-cps
	radius-entries-used	number	radius-entries-used

2.19.106 cgnv6 lsn tcp

LSN TCP parameters

tcp Specification

Type	*Intermediate Resource*
Element Name	tcp
Element URI	/axapi/v3/cgnv6/lsn/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lsn/tcp

tcp_attributes

tcp attributes

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *mss-clamp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/tcp/mss-clamp*

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *reset-on-error*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lsn/tcp/reset-on-error*

mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS; 'none': No TCP MSS clamping (default);

Type: string

Supported Values: fixed, subtract, none

Default: none

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)},

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.107 cgnv6 lsn tcp mss-clamp

LSN TCP MSS Clamping

mss-clamp Specification

Type	*Configuration Resource*
Element Name	mss-clamp
Element URI	/axapi/v3/cgnv6/lsn/tcp/mss-clamp
Element Attributes	mss-clamp_attributes
Schema	`mss-clamp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/tcp/mss-clamp

mss-clamp attributes

```
POST /axapi/v3/cgnv6/lsn/tcp/mss-clamp
Payload:
{
    "mss-clamp": {
        "mss-clamp-type": "fixed",
        "mss-value": 0
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/tcp/mss-clamp

mss-clamp attributes

```
GET /axapi/v3/cgnv6/lsn/tcp/mss-clamp
Reponse:
{
    "mss-clamp": {
        "mss-clamp-type": "fixed",
        "mss-value": 0,
        "uuid": "5abe63c0-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/tcp/mss-clamp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/tcp/mss-clamp

mss-clamp attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/tcp/mss-clamp

mss-clamp attributes

```
PUT /axapi/v3/cgnv6/lsn/tcp/mss-clamp
Payload:
{
    "mss-clamp": {
        "mss-clamp-type": "fixed",
        "mss-value": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/tcp/mss-clamp

mss-clamp attributes

```
DELETE /axapi/v3/cgnv6/lsn/tcp/mss-clamp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

mss-clamp attributes

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS; 'none': No TCP MSS clamping (default);

Type: string

Supported Values: fixed, subtract, none

Default: none

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)},

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.108 cgnv6 lsn tcp reset-on-error

Send TCP resets for invalid sessions (Default: enabled)

reset-on-error Specification

Type	*Configuration Resource*
Element Name	reset-on-error
Element URI	/axapi/v3/cgnv6/lsn/tcp/reset-on-error
Element Attributes	reset-on-error_attributes
Schema	`reset-on-error schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/tcp/reset-on-error

reset-on-error attributes

```
POST /axapi/v3/cgnv6/lsn/tcp/reset-on-error
Payload:
{
    "reset-on-error": {
        "outbound": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lsn/tcp/reset-on-error

reset-on-error attributes

```
GET /axapi/v3/cgnv6/lsn/tcp/reset-on-error
Reponse:
{
    "reset-on-error": {
        "outbound": "disable",
        "uuid": "8d1538b6-6024-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lsn/tcp/reset-on-error"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lsn/tcp/reset-on-error

reset-on-error attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/tcp/reset-on-error

reset-on-error attributes

```
PUT /axapi/v3/cgnv6/lsn/tcp/reset-on-error
Payload:
{
    "reset-on-error": {
        "outbound": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/tcp/reset-on-error

reset-on-error attributes

```
DELETE /axapi/v3/cgnv6/lsn/tcp/reset-on-error
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

reset-on-error attributes

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.109 cgnv6 lsn user-quota-session

LSN Per User Statistics

user-quota-session Specification

Type	*Configuration Resource*
Element Name	user-quota-session
Element URI	/axapi/v3/cgnv6/lsn/user-quota-session
Element Attributes	user-quota-session_attributes
Operational Data URI	/axapi/v3/cgnv6/lsn/user-quota-session/oper
Schema	`user-quota-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lsn/user-quota-session

user-quota-session attributes

Get Object

GET

/axapi/v3/cgnv6/lsn/user-quota-session

user-quota-session attributes

Modify Object

POST

/axapi/v3/cgnv6/lsn/user-quota-session

user-quota-session attributes

Replace Object

PUT

/axapi/v3/cgnv6/lsn/user-quota-session

user-quota-session attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lsn/user-quota-session

user-quota-session attributes

user-quota-session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top-by-tcp-usage	flag	top-by-tcp-usage
	shared-partition	flag	shared-partition
	pool-shared	flag	pool-shared
	all-partitions	flag	all-partitions
	top-by-icmp-usage	flag	top-by-icmp-usage
	top-by-udp-usage	flag	top-by-udp-usage
	top-count	number	top-count
	top-sort-by-cli	flag	top-sort-by-cli
	nat-addr	ipv4-address	nat-addr
	partition-name	string	partition-name
	top-by-all-usage	flag	top-by-all-usage
	session-list		session-list
	inside-addr	ipv4-address	inside-addr
	session-count	number	session-count
	nat-pool-name	string	nat-pool-name

2.19.110 cgnv6 lw-4o6

Configure LW-4over6

lw-4o6 Specification

Type	*Intermediate Resource*
Element Name	lw-4o6
Element URI	/axapi/v3/cgnv6/lw-4o6
Element Attributes	lw-4o6_attributes
Schema	`lw-4o6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lw-4o6

lw-4o6_attributes

lw-4o6 attributes

active-binding-table

Description: active-binding-table is a **JSON Block**. Please see below for *active-binding-table*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/active-binding-table*

all-binding-tables

Description: all-binding-tables is a **JSON Block**. Please see below for *all-binding-tables*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/all-binding-tables*

binding-table-files-status

Description: binding-table-files-status is a **JSON Block**. Please see below for *binding-table-files-status*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table-files-status*

binding-table-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}*

binding-table-validate

Description: binding-table-validate is a **JSON Block**. Please see below for *binding-table-validate*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table-validate*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/fragmentation*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/global*

health-check-gateway-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/health-check-gateway/{ipv4-addr}+{ipv6-addr}*

validation-log-files

Description: validation-log-files is a **JSON Block**. Please see below for *validation-log-files*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/validation-log-files*

fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/fragmentation/outbound*

fragmentation_inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fragmentation_outbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-check-gateway-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description LW-4over6 IPv4 Gateway

Type: string

Format: ipv4-address

ipv6-addr

Description LW-4over6 IPv6 Gateway

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-binding-table

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

hairpinning

Description 'filter-all': Disable all Hairpinning; 'filter-none': Allow all Hairpinning (default); 'filter-self-ip': Block Hairpinning to same IP; 'filter-self-ip-port': Block hairpinning to same IP and Port combination;

Type: string

Supported Values: filter-all, filter-none, filter-self-ip, filter-self-ip-port

Default: filter-none

icmp-inbound

Description 'drop': Drop Inbound ICMP packets; 'handle': Handle Inbound ICMP packets(default);

Type: string

Supported Values: drop, handle

Default: handle

inside-src-access-list

Description Access List for inside IPv4 addresses (ACL ID)

Type: number

Range: 1-199

nat-prefix-list

Description Configure LW-4over6 NAT Prefix List (LW-4over6 NAT Prefix Class-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

no-forward-match

Description: no-forward-match is a **JSON Block**. Please see below for *global_no-forward-match*

Type: Object

no-reverse-match

Description: no-reverse-match is a **JSON Block**. Please see below for *global_no-reverse-match*

Type: Object

sampling-enable

Type: List

use-binding-table

Description Bind LW-4over6 binding table for use (LW-4over6 Binding Table Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_no-forward-match

Specification	
Type	*object*

send-icmpv6

Description Send ICMPv6 Type 1 Code 5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry_count': Total Entries Configured; 'self_hairpinning_drop': Self-Hairpinning Drops; 'all_hairpinning_drop': All Hairpinning Drops; 'no_match_icmpv6_sent': No-Forward-Match ICMPv6 Sent; 'no_match_icmp_sent': No-Reverse-Match ICMP Sent; 'icmp_inbound_drop': Inbound ICMP Drops; 'fwd_lookup_failed': Forward Route Lookup Failed; 'rev_lookup_failed': Reverse Route Lookup Failed; 'interface_not_configured': LW-4over6 Interfaces not Configured Drops; 'no_tep_drop': LW-4over6 Tunnel Endpoint not Configured Drops; 'session_count': LW-4over6 Session Count; 'system_address_drop': LW-4over6 System Address Drops;

Type: string

Supported Values: all, entry_count, self_hairpinning_drop, all_hairpinning_drop, no_match_icmpv6_sent, no_match_icmp_sent, icmp_inbound_drop, fwd_lookup_failed, rev_lookup_failed, interface_not_configured, no_binding_table_matches_fwd, no_binding_table_matches_rev, session_count, system_address_drop

global_no-reverse-match

Specification	
Type	*object*

send-icmp

Description Send ICMP Type 3 Code 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

binding-table-validate

Specification	
Type	*object*

binding-name

Description LW-4over6 Binding Table Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

all-binding-tables

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

binding-table-files-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

validation-log-files

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

binding-table-list

Specification	
Type	*list*
Block object keys	

name

Description LW-4over6 Binding Table Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

binding-table-list_tunnel-address-list

Specification	
Type	*list*
Block object keys	

ipv6-tunnel-addr

Description Tunnel IPv6 Endpoint Address

Type: string

Format: ipv6-address

nat-address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

binding-table-list_tunnel-address-list_nat-address-list

Specification	
Type	*list*
Block object keys	

ipv4-nat-addr

Description NAT IPv4 Address

Type: string

Format: ipv4-address

port-range-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}/port-range/{port-start}+{port-end}+{tunnel-endpoint-address}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

binding-table-list_tunnel-address-list_nat-address-list_port-range-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range End

Type: number

Range: 1-65535

port-start

Description Single Port or Port Range Start

Type: number

Range: 1-65535

tunnel-endpoint-address

Description Configure LW-4over6 IPIP Tunnel Endpoint Address (LW-4over6 Tunnel Endpoint Address)

Type: string

Format: ipv6-address

2.19.111 cgnv6 lw-4o6 active-binding-table

Active LW-4over6 binding table

active-binding-table Specification

Type	*Configuration Resource*
Element Name	active-binding-table
Element URI	/axapi/v3/cgnv6/lw-4o6/active-binding-table
Element Attributes	active-binding-table_attributes
Operational Data URI	/axapi/v3/cgnv6/lw-4o6/active-binding-table/oper
Schema	`active-binding-table schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/active-binding-table

active-binding-table attributes

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/active-binding-table

active-binding-table attributes

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/active-binding-table

active-binding-table attributes

Replace Object

PUT

/axapi/v3/cgnv6/lw-4o6/active-binding-table

active-binding-table attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lw-4o6/active-binding-table

active-binding-table attributes

active-binding-table attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	entry-list		entry-list

2.19.112 cgnv6 lw-4o6 all-binding-tables

Get all LW-4over6 binding tables

all-binding-tables Specification

Type	*Configuration Resource*
Element Name	all-binding-tables
Element URI	/axapi/v3/cgnv6/lw-4o6/all-binding-tables
Element Attributes	all-binding-tables_attributes
Operational Data URI	/axapi/v3/cgnv6/lw-4o6/all-binding-tables/oper
Schema	`all-binding-tables schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/all-binding-tables

all-binding-tables attributes

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/all-binding-tables

all-binding-tables attributes

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/all-binding-tables

all-binding-tables attributes

Replace Object

PUT

/axapi/v3/cgnv6/lw-4o6/all-binding-tables

all-binding-tables attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lw-4o6/all-binding-tables

all-binding-tables attributes

all-binding-tables attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	entry-list		entry-list

2.19.113 cgnv6 lw-4o6 binding-table-files-status

LW-4over6 binding table files status

binding-table-files-status Specification

Type	*Configuration Resource*
Element Name	binding-table-files-status
Element URI	/axapi/v3/cgnv6/lw-4o6/binding-table-files-status
Element Attributes	binding-table-files-status_attributes
Operational Data URI	/axapi/v3/cgnv6/lw-4o6/binding-table-files-status/oper
Schema	`binding-table-files-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/binding-table-files-status

binding-table-files-status attributes

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/binding-table-files-status

binding-table-files-status attributes

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/binding-table-files-status

binding-table-files-status attributes

Replace Object

PUT

/axapi/v3/cgnv6/lw-4o6/binding-table-files-status

binding-table-files-status attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lw-4o6/binding-table-files-status

binding-table-files-status attributes

binding-table-files-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	entry-list		entry-list
	entry-count	number	entry-count

2.19.114 cgnv6 lw-4o6 fragmentation

LW-4O6 fragmentation rules

fragmentation Specification

Type	*Intermediate Resource*
Element Name	fragmentation
Element URI	/axapi/v3/cgnv6/lw-4o6/fragmentation
Element Attributes	fragmentation_attributes
Schema	`fragmentation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/fragmentation

fragmentation_attributes

fragmentation attributes

inbound

Description: inbound is a **JSON Block**. Please see below for *inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/lw-4o6/fragmentation/outbound*

inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

outbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.115 cgnv6 lw-4o6 fragmentation inbound

LW-4O6 fragmentation rules for inbound oversize packets

inbound Specification

Type	*Configuration Resource*
Element Name	inbound
Element URI	/axapi/v3/cgnv6/lw-4o6/fragmentation/inbound
Element Attributes	inbound_attributes
Schema	`inbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/fragmentation/inbound

inbound attributes

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/fragmentation/inbound

inbound attributes

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/fragmentation/inbound

inbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/lw-4o6/fragmentation/inbound

inbound attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lw-4o6/fragmentation/inbound

inbound attributes

inbound attributes

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.116 cgnv6 lw-4o6 fragmentation outbound

LW-4O6 fragmentation rules for outbound oversize packets

outbound Specification

Type	*Configuration Resource*
Element Name	outbound
Element URI	/axapi/v3/cgnv6/lw-4o6/fragmentation/outbound
Element Attributes	outbound_attributes
Schema	`outbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/fragmentation/outbound

outbound attributes

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/fragmentation/outbound

outbound attributes

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/fragmentation/outbound

outbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/lw-4o6/fragmentation/outbound

outbound attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lw-4o6/fragmentation/outbound

outbound attributes

outbound attributes

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.117 cgnv6 lw-4o6 global

Configure LW-4over6 parameters

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/lw-4o6/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/lw-4o6/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/global

global attributes

```
POST /axapi/v3/cgnv6/lw-4o6/global
Payload:
{
    "global": {
        "hairpinning": "filter-all"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/global

global attributes

```
GET /axapi/v3/cgnv6/lw-4o6/global
Reponse:
{
    "global": {
        "hairpinning": "filter-all",
        "icmp-inbound": "handle",
        "no-forward-match": {
            "send-icmpv6": 0
        },
        "no-reverse-match": {
            "send-icmp": 0
        },
        "uuid": "5abef4d4-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lw-4o6/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/lw-4o6/global

global attributes

```
PUT /axapi/v3/cgnv6/lw-4o6/global
Payload:
{
    "global": {
        "hairpinning": "filter-none"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/lw-4o6/global

global attributes

```
DELETE /axapi/v3/cgnv6/lw-4o6/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

hairpinning

Description 'filter-all': Disable all Hairpinning; 'filter-none': Allow all Hairpinning (default); 'filter-self-ip': Block Hairpinning to same IP; 'filter-self-ip-port': Block hairpinning to same IP and Port combination;

Type: string

Supported Values: filter-all, filter-none, filter-self-ip, filter-self-ip-port

Default: filter-none

icmp-inbound

Description 'drop': Drop Inbound ICMP packets; 'handle': Handle Inbound ICMP packets(default);

Type: string

Supported Values: drop, handle

Default: handle

inside-src-access-list

Description Access List for inside IPv4 addresses (ACL ID)

Type: number

Range: 1-199

nat-prefix-list

Description Configure LW-4over6 NAT Prefix List (LW-4over6 NAT Prefix Class-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

no-forward-match

Description: no-forward-match is a **JSON Block**. Please see below for *no-forward-match*

Type: Object

no-reverse-match

Description: no-reverse-match is a **JSON Block**. Please see below for *no-reverse-match*

Type: Object

sampling-enable

Type: List

use-binding-table

Description Bind LW-4over6 binding table for use (LW-4over6 Binding Table Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

no-forward-match

Specification	
Type	*object*

send-icmpv6

Description Send ICMPv6 Type 1 Code 5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry_count': Total Entries Configured; 'self_hairpinning_drop': Self-Hairpinning Drops; 'all_hairpinning_drop': All Hairpinning Drops; 'no_match_icmpv6_sent': No-Forward-Match ICMPv6 Sent; 'no_match_icmp_sent': No-Reverse-Match ICMP Sent; 'icmp_inbound_drop': Inbound ICMP Drops; 'fwd_lookup_failed': Forward Route Lookup Failed; 'rev_lookup_failed': Reverse Route Lookup Failed; 'interface_not_configured': LW-4over6 Interfaces not Configured Drops; 'no_tep_drop': LW-4over6 Tunnel Endpoint not

Configured Drops; 'session_count': LW-4over6 Session Count; 'system_address_drop': LW-4over6 System Address Drops;

Type: string

Supported Values: all, entry_count, self_hairpinning_drop, all_hairpinning_drop, no_match_icmpv6_sent, no_match_icmp_sent, icmp_inbound_drop, fwd_lookup_failed, rev_lookup_failed, interface_not_configured, no_binding_table_matches_fwd, no_binding_table_matches_rev, session_count, system_address_drop

no-reverse-match

Specification	
Type	*object*

send-icmp

Description Send ICMP Type 3 Code 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats data

	Counter	Size	Description
	interface_not_configured	8	LW-4over6 Interfaces not Configured Drops
	no_match_icmp_sent	8	No-Reverse-Match ICMP Sent
	no_binding_table_matches_rev	8	No Reverse Binding Table Entry Match Drops
	self_hairpinning_drop	8	Self-Hairpinning Drops
	entry_count	8	Total Entries Configured
	all_hairpinning_drop	8	All Hairpinning Drops
	icmp_inbound_drop	8	Inbound ICMP Drops
	no_binding_table_matches_fwd	8	No Forward Binding Table Entry Match Drops
	fwd_lookup_failed	8	Forward Route Lookup Failed
	no_match_icmpv6_sent	8	No-Forward-Match ICMPv6 Sent
	rev_lookup_failed	8	Reverse Route Lookup Failed

2.19.118 cgnv6 lw-4o6 health-check-gateway

Configure LW-4over6 health-check gateway

health-check-gateway Specification

Type	*Collection*
Object Key(s)	*ipv4-addr, ipv6-addr*
Collection Name	*health-check-gateway-list*
Collection URI	/axapi/v3/cgnv6/lw-4o6/health-check-gateway
Element Name	health-check-gateway
Element URI	/axapi/v3/cgnv6/lw-4o6/health-check-gateway/{ipv4-addr}+{ipv6-addr}
Element Attributes	health-check-gateway_attributes
Schema	`health-check-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/health-check-gateway

health-check-gateway attributes

```
POST /axapi/v3/cgnv6/lw-4o6/health-check-gateway/
Payload:
{
    "health-check-gateway": {
        "ipv4-addr": "3.3.3.3"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/lw-4o6/health-check-gateway

health-check-gateway attributes

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/health-check-gateway/{ipv4-addr}+{ipv6-addr}

health-check-gateway attributes

```
GET /axapi/v3/cgnv6/lw-4o6/health-check-gateway/3.3.3.3
Reponse:
{
    "health-check-gateway": {
        "ipv4-addr": "3.3.3.3",
        "uuid": "56b6ee80-6025-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/lw-4o6/health-check-gateway/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/lw-4o6/health-check-gateway

health-check-gateway-list

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/health-check-gateway/{ipv4-addr}+{ipv6-addr}

health-check-gateway attributes

Replace Object

PUT

/axapi/v3/cgnv6/lw-4o6/health-check-gateway/{ipv4-addr}+{ipv6-addr}

health-check-gateway attributes

```
PUT /axapi/v3/cgnv6/lw-4o6/health-check-gateway/3.3.3.3
Payload:
{
    "health-check-gateway": {
        "ipv4-addr": "3.3.3.3"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/lw-4o6/health-check-gateway

health-check-gateway-list

Delete Object

DELETE

/axapi/v3/cgnv6/lw-4o6/health-check-gateway/{ipv4-addr}+{ipv6-addr}

health-check-gateway attributes

```
DELETE /axapi/v3/cgnv6/lw-4o6/health-check-gateway/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

health-check-gateway-list

health-check-gateway-list is **JSON List** of *health-check-gateway attributes*

health-check-gateway-list : [

{ *health-check-gateway attributes* },

{ *health-check-gateway attributes* },

...

]

health-check-gateway attributes

ipv4-addr

Description LW-4over6 IPv4 Gateway

Type: string

Format: ipv4-address

ipv6-addr

Description LW-4over6 IPv6 Gateway

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.119 cgnv6 lw-4o6 save-binding-table

Save LW-4over6 binding table

save-binding-table Specification

Type	*Configuration Resource*
Element Name	save-binding-table
Element URI	/axapi/v3/cgnv6/lw-4o6/save-binding-table
Element Attributes	save-binding-table_attributes
Schema	`save-binding-table schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/save-binding-table

save-binding-table attributes

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/save-binding-table

save-binding-table attributes

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/save-binding-table

save-binding-table attributes

save-binding-table attributes

2.19.120 cgnv6 lw-4o6 validation-log-files

Get LW-4over6 validation log files

validation-log-files Specification

Type	*Configuration Resource*
Element Name	validation-log-files
Element URI	/axapi/v3/cgnv6/lw-4o6/validation-log-files
Element Attributes	validation-log-files_attributes
Operational Data URI	/axapi/v3/cgnv6/lw-4o6/validation-log-files/oper
Schema	`validation-log-files schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/lw-4o6/validation-log-files

validation-log-files attributes

Get Object

GET

/axapi/v3/cgnv6/lw-4o6/validation-log-files

validation-log-files attributes

Modify Object

POST

/axapi/v3/cgnv6/lw-4o6/validation-log-files

validation-log-files attributes

Replace Object

PUT

/axapi/v3/cgnv6/lw-4o6/validation-log-files

validation-log-files attributes

Delete Object

DELETE

/axapi/v3/cgnv6/lw-4o6/validation-log-files

validation-log-files attributes

validation-log-files attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	entry-list		entry-list
	entry-count	number	entry-count

2.19.121 cgnv6 map

Mapping of Address and Port with Translation (MAP)

map Specification

Type	*Intermediate Resource*
Element Name	map
Element URI	/axapi/v3/cgnv6/map
Element Attributes	map_attributes
Schema	`map schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/map

map_attributes

map attributes

encapsulation

Description: encapsulation is a **JSON Block**. Please see below for *encapsulation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation*

translation

Description: translation is a **JSON Block**. Please see below for *translation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation*

encapsulation

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *encapsulation_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation*

encapsulation_fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *encapsulation_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *encapsulation_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound*

encapsulation_fragmentation_inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

encapsulation_fragmentation_outbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

encapsulation_domain-list

Specification	
Type	*list*
Block object keys	

basic-mapping-rule

Description: basic-mapping-rule is a **JSON Block**. Please see below for *encapsulation_domain-list_basic-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule*

description

Description MAP-E domain description

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

format

Description 'draft-03': Construct IPv6 Interface Identifier according to draft-03;

Type: string

Supported Values: draft-03

health-check-gateway

Description: health-check-gateway is a **JSON Block**. Please see below for *encapsulation_domain-list_health-check-gateway*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway*

name

Description MAP-E domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl*

sampling-enable

Type: List

tunnel-endpoint-address

Description Tunnel Endpoint Address for MAP-E domain

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

encapsulation_domain-list_basic-mapping-rule

Specification	
Type	*object*

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

encapsulation_domain-list_basic-mapping-rule_prefix-rule-list

Specification	
Type	*list*
Block object keys	

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

encapsulation_domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inbound_packet_received': Inbound IPv4 Packets Received; 'inbound_frag_packet_received': Inbound IPv4 Fragment Packets Received; 'inbound_addr_port_validation_failed': Inbound IPv4 Destination Address Port Validation Failed; 'inbound_rev_lookup_failed': Inbound IPv4 Reverse Route Lookup Failed; 'inbound_dest_unreachable': Inbound IPv6 Destination Address Unreachable; 'outbound_packet_received': Outbound IPv6 Packets Received; 'outbound_frag_packet_received': Outbound IPv6 Fragment Packets Received; 'outbound_addr_validation_failed': Outbound IPv6 Source Address Validation Failed; 'outbound_rev_lookup_failed': Outbound IPv6 Reverse Route Lookup Failed; 'outbound_dest_unreachable': Outbound IPv4 Destination Address Unreachable; 'packet_mtu_exceeded': Packet Exceeded MTU; 'frag_icmp_sent': ICMP Packet Too Big Sent; 'interface_not_configured': Interfaces not Configured Dropped; 'bmr_prefixrules_configured': BMR prefix rules configured; 'helper_count': Helper Count; 'active_dhcpv6_leases': Active DHCPv6 leases;

Type: string

Supported Values: all, inbound_packet_received, inbound_frag_packet_received, inbound_addr_port_validation_failed, inbound_rev_lookup_failed, inbound_dest_unreachable, outbound_packet_received, outbound_frag_packet_received,

outbound_addr_validation_failed, outbound_rev_lookup_failed, outbound_dest_unreachable, packet_mtu_exceeded, frag_icmp_sent, interface_not_configured, bmr_prefixrules_configured, helper_count, active_dhcpv6_leases

encapsulation_domain-list_health-check-gateway

Specification	
Type	*object*

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

encapsulation_domain-list_health-check-gateway_ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

encapsulation_domain-list_health-check-gateway_address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

translation

Specification	
Type	*object*

default-domain

Description: default-domain is a **JSON Block**. Please see below for *translation_default-domain*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/default-domain*

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *translation_fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation*

translation_fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *translation_fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *translation_fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation/outbound*

translation_fragmentation_inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_fragmentation_outbound

Specification	
Type	*object*

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_domain-list

Specification	
Type	*list*
Block object keys	

basic-mapping-rule

Description: basic-mapping-rule is a **JSON Block**. Please see below for *translation_domain-list_basic-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule*

default-mapping-rule

Description: default-mapping-rule is a **JSON Block**. Please see below for *translation_domain-list_default-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule*

description

Description MAP-T domain description

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

health-check-gateway

Description: health-check-gateway is a **JSON Block**. Please see below for *translation_domain-list_health-check-gateway*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway*

mtu

Description Domain MTU

Type: number

name

Description MAP-T domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl*

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *translation_domain-list_tcp*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_domain-list_default-mapping-rule

Specification	
Type	*object*

rule-ipv6-prefix

Description Rule IPv6 prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inbound_packet_received': Inbound IPv4 Packets Received; 'inbound_frag_packet_received': Inbound IPv4 Fragment Packets Received; 'inbound_addr_port_validation_failed': Inbound IPv4 Destination Address Port Validation Failed; 'inbound_rev_lookup_failed': Inbound IPv4 Reverse Route Lookup Failed; 'inbound_dest_unreachable': Inbound IPv6 Destination Address Unreachable; 'outbound_packet_received': Outbound IPv6 Packets Received; 'outbound_frag_packet_received': Outbound IPv6 Fragment Packets Received; 'outbound_addr_validation_failed': Outbound IPv6 Source Address Validation Failed; 'outbound_rev_lookup_failed': Outbound IPv6 Reverse Route Lookup Failed; 'outbound_dest_unreachable': Outbound IPv4 Destination Address Unreachable; 'packet_mtu_exceeded': Packet Exceeded MTU; 'frag_icmp_sent': ICMP Packet Too Big Sent; 'interface_not_configured': Interfaces not Configured Dropped; 'bmr_prefixrules_configured': BMR prefix rules configured; 'helper_count': Helper Count; 'active_dhcpv6_leases': Active DHCPv6 leases; 'num_domains_configured': Total MAP Domains configured;

Type: string

Supported Values: all, inbound_packet_received, inbound_frag_packet_received, inbound_addr_port_validation_failed, inbound_rev_lookup_failed, inbound_dest_unreachable, outbound_packet_received, outbound_frag_packet_received, outbound_addr_validation_failed, outbound_rev_lookup_failed, outbound_dest_unreachable, packet_mtu_exceeded, frag_icmp_sent, interface_not_configured, bmr_prefixrules_configured, helper_count, active_dhcpv6_leases

translation_domain-list_tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *translation_domain-list_tcp_mss-clamp*

Type: Object

translation_domain-list_tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: 516))

Type: number

Range: 0-1440

Default: 516

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping(default); 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, none, subtract

Default: none

mss-subtract

Description Specify the value to subtract from the TCP MSS

Type: number

Range: 0-1440

mss-value

Description The max value allowed for the TCP MSS

Type: number

Range: 0-1440

translation_domain-list_health-check-gateway

Specification	
Type	*object*

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

translation_domain-list_health-check-gateway_ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

translation_domain-list_health-check-gateway_address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

translation_domain-list_basic-mapping-rule

Specification	
Type	*object*

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_domain-list_basic-mapping-rule_prefix-rule-list

Specification	
Type	*list*
Block object keys	

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_default-domain

Specification	
Type	*object*

name

Description MAP-T domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/map/translation/domain*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.122 cgnv6 map encapsulation

MAP Encapsulation (MAP-E)

encapsulation Specification

Type	*Intermediate Resource*
Element Name	encapsulation
Element URI	/axapi/v3/cgnv6/map/encapsulation
Element Attributes	encapsulation_attributes
Schema	`encapsulation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/map/encapsulation

encapsulation_attributes

encapsulation attributes

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation*

fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound*

fragmentation_inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fragmentation_outbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list

Specification	
Type	*list*
Block object keys	

basic-mapping-rule

Description: basic-mapping-rule is a **JSON Block**. Please see below for *domain-list_basic-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule*

description

Description MAP-E domain description

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

format

Description 'draft-03': Construct IPv6 Interface Identifier according to draft-03;

Type: string

Supported Values: draft-03

health-check-gateway

Description: health-check-gateway is a **JSON Block**. Please see below for *domain-list_health-check-gateway*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway*

name

Description MAP-E domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl*

sampling-enable

Type: List

tunnel-endpoint-address

Description Tunnel Endpoint Address for MAP-E domain

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list_basic-mapping-rule

Specification	
Type	*object*

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list_basic-mapping-rule_prefix-rule-list

Specification	
Type	*list*
Block object keys	

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inbound_packet_received': Inbound IPv4 Packets Received; 'inbound_frag_packet_received': Inbound IPv4 Fragment Packets Received; 'inbound_addr_port_validation_failed': Inbound IPv4 Destination Address Port Validation Failed; 'inbound_rev_lookup_failed': Inbound IPv4 Reverse Route Lookup Failed; 'inbound_dest_unreachable': Inbound IPv6 Destination Address Unreachable; 'outbound_packet_received': Outbound IPv6 Packets Received; 'outbound_frag_packet_received': Outbound IPv6 Fragment Packets Received; 'outbound_addr_validation_failed': Outbound IPv6 Source Address Validation Failed; 'outbound_rev_lookup_failed': Outbound IPv6 Reverse Route Lookup Failed; 'outbound_dest_unreachable': Outbound IPv4 Destination Address Unreachable; 'packet_mtu_exceeded': Packet Exceeded MTU; 'frag_icmp_sent': ICMP Packet Too Big Sent; 'interface_not_configured': Interfaces not Configured Dropped; 'bmr_prefixrules_configured': BMR prefix rules configured; 'helper_count': Helper Count; 'active_dhcpv6_leases': Active DHCPv6 leases;

Type: string

Supported Values: all, inbound_packet_received, inbound_frag_packet_received, inbound_addr_port_validation_failed, inbound_rev_lookup_failed, inbound_dest_unreachable, outbound_packet_received, outbound_frag_packet_received, outbound_addr_validation_failed, outbound_rev_lookup_failed, outbound_dest_unreachable, packet_mtu_exceeded, frag_icmp_sent, interface_not_configured, bmr_prefixrules_configured, helper_count, active_dhcpv6_leases

domain-list_health-check-gateway

Specification	
Type	*object*

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

domain-list_health-check-gateway_ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

domain-list_health-check-gateway_address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

2.19.123 cgnv6 map encapsulation domain

MAP Encapsulation domain

domain Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*domain-list*
Collection URI	/axapi/v3/cgnv6/map/encapsulation/domain
Element Name	domain
Element URI	/axapi/v3/cgnv6/map/encapsulation/domain/{name}
Element Attributes	domain_attributes
Statistics Data URI	/axapi/v3/cgnv6/map/encapsulation/domain/{name}/stats
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/encapsulation/domain

domain attributes

Create List

POST

/axapi/v3/cgnv6/map/encapsulation/domain

domain attributes

Get Object

GET

/axapi/v3/cgnv6/map/encapsulation/domain/{name}

domain attributes

Get List

GET

/axapi/v3/cgnv6/map/encapsulation/domain

domain-list

Modify Object

POST

/axapi/v3/cgnv6/map/encapsulation/domain/{name}

domain attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/encapsulation/domain/{name}

domain attributes

Replace List

PUT

/axapi/v3/cgnv6/map/encapsulation/domain

domain-list

Delete Object

DELETE

/axapi/v3/cgnv6/map/encapsulation/domain/{name}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

basic-mapping-rule

Description: basic-mapping-rule is a **JSON Block**. Please see below for *basic-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule*

description

Description MAP-E domain description

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

format

Description 'draft-03': Construct IPv6 Interface Identifier according to draft-03;

Type: string

Supported Values: draft-03

health-check-gateway

Description: health-check-gateway is a **JSON Block**. Please see below for *health-check-gateway*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway*

name

Description MAP-E domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl*

sampling-enable

Type: List

tunnel-endpoint-address

Description Tunnel Endpoint Address for MAP-E domain

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

basic-mapping-rule

Specification	
Type	*object*

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

basic-mapping-rule_prefix-rule-list

Specification	
Type	*list*
Block object keys	

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inbound_packet_received': Inbound IPv4 Packets Received; 'inbound_frag_packet_received': Inbound IPv4 Fragment Packets Received; 'inbound_addr_port_validation_failed': Inbound IPv4 Destination Address Port Validation Failed; 'inbound_rev_lookup_failed': Inbound IPv4 Reverse Route Lookup Failed; 'inbound_dest_unreachable': Inbound IPv6 Destination Address Unreachable; 'outbound_packet_received': Outbound IPv6 Packets Received; 'outbound_frag_packet_received': Outbound IPv6 Fragment Packets Received; 'outbound_addr_validation_failed': Outbound IPv6 Source Address Validation Failed; 'outbound_rev_lookup_failed': Outbound IPv6 Reverse Route Lookup Failed; 'outbound_dest_unreachable': Outbound IPv4 Destination Address Unreachable; 'packet_mtu_exceeded': Packet Exceeded MTU; 'frag_icmp_sent': ICMP Packet Too Big Sent; 'interface_not_configured': Interfaces not Configured Dropped; 'bmr_prefixrules_configured': BMR prefix rules configured; 'helper_count': Helper Count; 'active_dhcpv6_leases': Active DHCPv6 leases;

Type: string

Supported Values: all, inbound_packet_received, inbound_frag_packet_received, inbound_addr_port_validation_failed, inbound_rev_lookup_failed, inbound_dest_unreachable, outbound_packet_received, outbound_frag_packet_received, outbound_addr_validation_failed, outbound_rev_lookup_failed, outbound_dest_unreachable, packet_mtu_exceeded, frag_icmp_sent, interface_not_configured, bmr_prefixrules_configured, helper_count, active_dhcpv6_leases

health-check-gateway

Specification	
Type	*object*

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

health-check-gateway_ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

health-check-gateway_address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

stats data

	Counter	Size	Description
	interface_not_configured	8	Interfaces not Configured Dropped
	inbound_packet_received	8	Inbound IPv4 Packets Received
	frag_icmp_sent	8	ICMP Packet Too Big Sent
	outbound_dest_unreachable	8	Outbound IPv4 Destination Address Unreachable
	outbound_packet_received	8	Outbound IPv6 Packets Received
	inbound_dest_unreachable	8	Inbound IPv6 Destination Address Unreachable
	inbound_rev_lookup_failed	8	Inbound IPv4 Reverse Route Lookup Failed
	bmr_prefixrules_configured	8	BMR prefix rules configured
	outbound_frag_packet_received	8	Outbound IPv6 Fragment Packets Received
	packet_mtu_exceeded	8	Packet Exceeded MTU
	inbound_addr_port_validation_failed	8	Inbound IPv4 Destination Address Port Validation Failed
	outbound_addr_validation_failed	8	Outbound IPv6 Source Address Validation Failed
	inbound_frag_packet_received	8	Inbound IPv4 Fragment Packets Received
	outbound_rev_lookup_failed	8	Outbound IPv6 Reverse Route Lookup Failed

2.19.124 cgnv6 map encapsulation domain basic-mapping-rule

Basic mapping rule (BMR)

basic-mapping-rule Specification

Type	*Configuration Resource*
Element Name	basic-mapping-rule
Element URI	/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule
Element Attributes	basic-mapping-rule_attributes
Schema	`basic-mapping-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

Get Object

GET

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

Modify Object

POST

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

basic-mapping-rule attributes

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-rule-list

Specification	
Type	*list*
Block object keys	

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.125 cgnv6 map encapsulation domain basic-mapping-rule prefix-rule

IPv6 and IPv4 prefix rules

prefix-rule Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*prefix-rule-list*
Collection URI	/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule
Element Name	prefix-rule
Element URI	/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}
Element Attributes	prefix-rule_attributes
Schema	`prefix-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule

prefix-rule attributes

Create List

POST

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule

prefix-rule attributes

Get Object

GET

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}

prefix-rule attributes

Get List

GET

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule

prefix-rule-list

Modify Object

POST

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}

prefix-rule attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}

prefix-rule attributes

Replace List

PUT

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule

prefix-rule-list

Delete Object

DELETE

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/basic-mapping-rule/prefix-rule/{name}

prefix-rule attributes

prefix-rule-list

prefix-rule-list is **JSON List** of *prefix-rule attributes*

prefix-rule-list : [

{ *prefix-rule attributes* },

{ *prefix-rule attributes* },

...

]

prefix-rule attributes

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.126 cgnv6 map encapsulation domain health-check-gateway

Health-check gateway for route withdrawn

health-check-gateway Specification

Type	*Configuration Resource*
Element Name	health-check-gateway
Element URI	/axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway
Element Attributes	health-check-gateway_attributes
Schema	`health-check-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway

health-check-gateway attributes

Get Object

GET

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway

health-check-gateway attributes

Modify Object

POST

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway

health-check-gateway attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway

health-check-gateway attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/encapsulation/domain/{name}/health-check-gateway

health-check-gateway attributes

health-check-gateway attributes

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

2.19.127 cgnv6 map encapsulation fragmentation

MAP-E fragmentation rules

fragmentation Specification

Type	*Intermediate Resource*
Element Name	fragmentation
Element URI	/axapi/v3/cgnv6/map/encapsulation/fragmentation
Element Attributes	fragmentation_attributes
Schema	`fragmentation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/map/encapsulation/fragmentation

fragmentation_attributes

fragmentation attributes

inbound

Description: inbound is a **JSON Block**. Please see below for *inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound*

inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

outbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.128 cgnv6 map encapsulation fragmentation inbound

MAP-E fragmentation rules for inbound oversize packets

inbound Specification

Type	*Configuration Resource*
Element Name	inbound
Element URI	/axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound
Element Attributes	inbound_attributes
Schema	`inbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound

inbound attributes

Get Object

GET

/axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound

inbound attributes

Modify Object

POST

/axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound

inbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound

inbound attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/encapsulation/fragmentation/inbound

inbound attributes

inbound attributes

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv4, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.129 cgnv6 map encapsulation fragmentation outbound

MAP-E fragmentation rules for outbound oversize packets

outbound Specification

Type	*Configuration Resource*
Element Name	outbound
Element URI	/axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound
Element Attributes	outbound_attributes
Schema	`outbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound

outbound attributes

Get Object

GET

/axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound

outbound attributes

Modify Object

POST

/axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound

outbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound

outbound attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/encapsulation/fragmentation/outbound

outbound attributes

outbound attributes

df-set

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set)(default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmp, send-icmpv6

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.130 cgnv6 map translation

MAP Translation (MAP-T)

translation Specification

Type	*Intermediate Resource*
Element Name	translation
Element URI	/axapi/v3/cgnv6/map/translation
Element Attributes	translation_attributes
Schema	`translation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/map/translation

translation_attributes

translation attributes

default-domain

Description: default-domain is a **JSON Block**. Please see below for *default-domain*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/default-domain*

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation*

fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation/outbound*

fragmentation_inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fragmentation_outbound

Specification	
Type	*object*

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list

Specification	
Type	*list*
Block object keys	

basic-mapping-rule

Description: basic-mapping-rule is a **JSON Block**. Please see below for *domain-list_basic-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule*

default-mapping-rule

Description: default-mapping-rule is a **JSON Block**. Please see below for *domain-list_default-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule*

description

Description MAP-T domain description

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

health-check-gateway

Description: health-check-gateway is a **JSON Block**. Please see below for *domain-list_health-check-gateway*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway*

mtu

Description Domain MTU

Type: number

name

Description MAP-T domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl*

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *domain-list_tcp*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list_default-mapping-rule

Specification	
Type	*object*

rule-ipv6-prefix

Description Rule IPv6 prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inbound_packet_received': Inbound IPv4 Packets Received; 'inbound_frag_packet_received': Inbound IPv4 Fragment Packets Received; 'inbound_addr_port_validation_failed': Inbound IPv4 Destination Address Port Validation Failed; 'inbound_rev_lookup_failed': Inbound IPv4 Reverse Route Lookup Failed; 'inbound_dest_unreachable': Inbound IPv6 Destination Address Unreachable; 'outbound_packet_received': Outbound IPv6 Packets Received; 'outbound_frag_packet_received': Outbound IPv6 Fragment Packets Received; 'outbound_addr_validation_failed': Outbound IPv6 Source Address Validation Failed; 'outbound_rev_lookup_failed': Outbound IPv6 Reverse Route Lookup Failed; 'outbound_dest_unreachable': Outbound IPv4 Destination Address Unreachable; 'packet_mtu_exceeded': Packet Exceeded MTU; 'frag_icmp_sent': ICMP Packet Too Big Sent; 'interface_not_configured': Interfaces not Configured Dropped; 'bmr_prefixrules_configured': BMR prefix rules configured; 'helper_count': Helper Count; 'active_dhcpv6_leases': Active DHCPv6 leases; 'num_domains_configured': Total MAP Domains configured;

Type: string

Supported Values: all, inbound_packet_received, inbound_frag_packet_received, inbound_addr_port_validation_failed, inbound_rev_lookup_failed, inbound_dest_unreachable, outbound_packet_received, outbound_frag_packet_received, outbound_addr_validation_failed, outbound_rev_lookup_failed, outbound_dest_unreachable, packet_mtu_exceeded, frag_icmp_sent, interface_not_configured, bmr_prefixrules_configured, helper_count, active_dhcpv6_leases

domain-list_tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *domain-list_tcp_mss-clamp*

Type: Object

domain-list_tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: 516))

Type: number

Range: 0-1440

Default: 516

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping(default); 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, none, subtract

Default: none

mss-subtract

Description Specify the value to subtract from the TCP MSS

Type: number

Range: 0-1440

mss-value

Description The max value allowed for the TCP MSS

Type: number

Range: 0-1440

domain-list_health-check-gateway

Specification	
Type	*object*

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

domain-list_health-check-gateway_ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

domain-list_health-check-gateway_address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

domain-list_basic-mapping-rule

Specification	
Type	*object*

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list_basic-mapping-rule_prefix-rule-list

Specification	
Type	*list*
Block object keys	

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

default-domain

Specification	
Type	*object*

name

Description MAP-T domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/map/translation/domain*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.131 cgnv6 map translation default-domain

Set Default MAP-T domain

default-domain Specification

Type	*Configuration Resource*
Element Name	default-domain
Element URI	/axapi/v3/cgnv6/map/translation/default-domain
Element Attributes	default-domain_attributes
Schema	`default-domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/translation/default-domain

default-domain attributes

Get Object

GET

/axapi/v3/cgnv6/map/translation/default-domain

default-domain attributes

Modify Object

POST

/axapi/v3/cgnv6/map/translation/default-domain

default-domain attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/translation/default-domain

default-domain attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/translation/default-domain

default-domain attributes

default-domain attributes

name

Description MAP-T domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/map/translation/domain*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.132 cgnv6 map translation domain

MAP Translation domain

domain Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*domain-list*
Collection URI	/axapi/v3/cgnv6/map/translation/domain
Element Name	domain
Element URI	/axapi/v3/cgnv6/map/translation/domain/{name}
Element Attributes	domain_attributes
Statistics Data URI	/axapi/v3/cgnv6/map/translation/domain/{name}/stats
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/translation/domain

domain attributes

Create List

POST

/axapi/v3/cgnv6/map/translation/domain

domain attributes

Get Object

GET

/axapi/v3/cgnv6/map/translation/domain/{name}

domain attributes

Get List

GET

/axapi/v3/cgnv6/map/translation/domain

domain-list

Modify Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}

domain attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/translation/domain/{name}

domain attributes

Replace List

PUT

/axapi/v3/cgnv6/map/translation/domain

domain-list

Delete Object

DELETE

/axapi/v3/cgnv6/map/translation/domain/{name}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

basic-mapping-rule

Description: basic-mapping-rule is a **JSON Block**. Please see below for *basic-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule*

default-mapping-rule

Description: default-mapping-rule is a **JSON Block**. Please see below for *default-mapping-rule*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule*

description

Description MAP-T domain description

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

health-check-gateway

Description: health-check-gateway is a **JSON Block**. Please see below for *health-check-gateway*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway*

mtu

Description Domain MTU

Type: number

name

Description MAP-T domain name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl*

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

default-mapping-rule

Specification	
Type	*object*

rule-ipv6-prefix

Description Rule IPv6 prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inbound_packet_received': Inbound IPv4 Packets Received; 'inbound_frag_packet_received': Inbound IPv4 Fragment Packets Received; 'inbound_addr_port_validation_failed': Inbound IPv4 Destination Address Port Validation Failed; 'inbound_rev_lookup_failed': Inbound IPv4 Reverse Route Lookup Failed; 'inbound_dest_unreachable': Inbound IPv6 Destination Address Unreachable; 'outbound_packet_received': Outbound IPv6 Packets Received; 'outbound_frag_packet_received': Outbound IPv6 Fragment Packets Received; 'outbound_addr_validation_failed': Outbound IPv6 Source Address Validation Failed; 'outbound_rev_lookup_failed': Outbound IPv6 Reverse Route Lookup Failed; 'outbound_dest_unreachable': Outbound IPv4 Destination Address Unreachable; 'packet_mtu_exceeded': Packet Exceeded MTU; 'frag_icmp_sent': ICMP Packet Too Big Sent; 'interface_not_configured': Interfaces not Configured Dropped; 'bmr_prefixrules_configured': BMR prefix rules configured; 'helper_count': Helper Count; 'active_dhcpv6_leases': Active DHCPv6 leases; 'num_domains_configured': Total MAP Domains configured;

Type: string

Supported Values: all, inbound_packet_received, inbound_frag_packet_received, inbound_addr_port_validation_failed, inbound_rev_lookup_failed, inbound_dest_unreachable, outbound_packet_received, outbound_frag_packet_received, outbound_addr_validation_failed, outbound_rev_lookup_failed, outbound_dest_unreachable, packet_mtu_exceeded, frag_icmp_sent, interface_not_configured, bmr_prefixrules_configured, helper_count, active_dhcpv6_leases

tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *tcp_mss-clamp*

Type: Object

tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: 516))

Type: number

Range: 0-1440

Default: 516

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping(default); 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, none, subtract

Default: none

mss-subtract

Description Specify the value to subtract from the TCP MSS

Type: number

Range: 0-1440

mss-value

Description The max value allowed for the TCP MSS

Type: number

Range: 0-1440

health-check-gateway

Specification	
Type	*object*

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

health-check-gateway_ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

health-check-gateway_address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

basic-mapping-rule

Specification	
Type	*object*

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

basic-mapping-rule_prefix-rule-list

Specification	
Type	*list*
Block object keys	

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	interface_not_configured	8	Interfaces not Configured Dropped
	inbound_packet_received	8	Inbound IPv4 Packets Received
	frag_icmp_sent	8	ICMP Packet Too Big Sent
	outbound_dest_unreachable	8	Outbound IPv4 Destination Address Unreachable
	outbound_packet_received	8	Outbound IPv6 Packets Received
	inbound_dest_unreachable	8	Inbound IPv6 Destination Address Unreachable
	inbound_rev_lookup_failed	8	Inbound IPv4 Reverse Route Lookup Failed
	bmr_prefixrules_configured	8	BMR prefix rules configured
	outbound_frag_packet_received	8	Outbound IPv6 Fragment Packets Received
	packet_mtu_exceeded	8	Packet Exceeded MTU
	inbound_addr_port_validation_failed	8	Inbound IPv4 Destination Address Port Validation Failed
	outbound_addr_validation_failed	8	Outbound IPv6 Source Address Validation Failed
	inbound_frag_packet_received	8	Inbound IPv4 Fragment Packets Received
	outbound_rev_lookup_failed	8	Outbound IPv6 Reverse Route Lookup Failed

2.19.133 cgnv6 map translation domain basic-mapping-rule

Basic mapping rule (BMR)

basic-mapping-rule Specification

Type	*Configuration Resource*
Element Name	basic-mapping-rule
Element URI	/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule
Element Attributes	basic-mapping-rule_attributes
Schema	`basic-mapping-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

Get Object

GET

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

Modify Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule

basic-mapping-rule attributes

basic-mapping-rule attributes

ea-length

Description Length of Embedded Address (EA) bits

Type: number

Range: 0-23

port-start

Description Starting Port, Must be Power of 2 value

Type: number

Range: 1-32768

prefix-rule-list

Type: List

Refernce Object: */axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}*

rule-ipv4-address-port-settings

Description 'prefix-addr': Each CE is assigned an IPv4 prefix; 'single-addr': Each CE is assigned an IPv4 address; 'shared-addr': Each CE is assigned a shared IPv4 address;

Type: string

Supported Values: prefix-addr, single-addr, shared-addr

share-ratio

Description Port sharing ratio for each NAT IP. Must be Power of 2 value

Type: number

Range: 1-65536

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-rule-list

Specification	
Type	*list*
Block object keys	

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.134 cgnv6 map translation domain basic-mapping-rule prefix-rule

IPv6 and IPv4 prefix rules

prefix-rule Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*prefix-rule-list*
Collection URI	/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule
Element Name	prefix-rule
Element URI	/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}
Element Attributes	prefix-rule_attributes
Schema	`prefix-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule

prefix-rule attributes

Create List

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule

prefix-rule attributes

Get Object

GET

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}

prefix-rule attributes

Get List

GET

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule

prefix-rule-list

Modify Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}

prefix-rule attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}

prefix-rule attributes

Replace List

PUT

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule

prefix-rule-list

Delete Object

DELETE

/axapi/v3/cgnv6/map/translation/domain/{name}/basic-mapping-rule/prefix-rule/{name}

prefix-rule attributes

prefix-rule-list

prefix-rule-list is **JSON List** of *prefix-rule attributes*

prefix-rule-list : [

{ *prefix-rule attributes* },

{ *prefix-rule attributes* },

...

]

prefix-rule attributes

ipv4-netmask

Description Subnet mask (subnet bigger than /8 is not allowed)

Type: string

Format: ipv4-netmask-brief

name

Description MAP BMR prefix rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-ipv4-prefix

Description IPv4 prefix of BMR

Type: string

Format: ipv4-address

rule-ipv6-prefix

Description IPv6 prefix of BMR

Type: string

Format: ipv6-address-plen

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.135 cgnv6 map translation domain default-mapping-rule

Default mapping rule (DMR)

default-mapping-rule Specification

Type	*Configuration Resource*
Element Name	default-mapping-rule
Element URI	/axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule
Element Attributes	default-mapping-rule_attributes
Schema	`default-mapping-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule

default-mapping-rule attributes

Get Object

GET

/axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule

default-mapping-rule attributes

Modify Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule

default-mapping-rule attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule

default-mapping-rule attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/translation/domain/{name}/default-mapping-rule

default-mapping-rule attributes

default-mapping-rule attributes

rule-ipv6-prefix

Description Rule IPv6 prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.136 cgnv6 map translation domain health-check-gateway

Health-check gateway for route withdrawn

health-check-gateway Specification

Type	*Configuration Resource*
Element Name	health-check-gateway
Element URI	/axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway
Element Attributes	health-check-gateway_attributes
Schema	`health-check-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway

health-check-gateway attributes

Get Object

GET

/axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway

health-check-gateway attributes

Modify Object

POST

/axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway

health-check-gateway attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway

health-check-gateway attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/translation/domain/{name}/health-check-gateway

health-check-gateway attributes

health-check-gateway attributes

address-list

Type: List

ipv6-address-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

withdraw-route

Description 'all-link-failure': Withdraw routes on health-check failure of all IPv4 gateways or all IPv6 gateways; 'any-link-failure': Withdraw routes on health-check failure of any gateway (default);

Type: string

Supported Values: all-link-failure, any-link-failure

Default: any-link-failure

ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-gateway

Description IPv6 Gateway

Type: string

Format: ipv6-address

address-list

Specification	
Type	*list*
Block object keys	

ipv4-gateway

Description IPv4 Gateway

Type: string

Format: ipv4-address

2.19.137 cgnv6 map translation fragmentation

MAP-T fragmentation rules

fragmentation Specification

Type	*Intermediate Resource*
Element Name	fragmentation
Element URI	/axapi/v3/cgnv6/map/translation/fragmentation
Element Attributes	fragmentation_attributes
Schema	`fragmentation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/map/translation/fragmentation

fragmentation_attributes

fragmentation attributes

inbound

Description: inbound is a **JSON Block**. Please see below for *inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/map/translation/fragmentation/outbound*

inbound

Specification	
Type	*object*

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

outbound

Specification	
Type	*object*

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.138 cgnv6 map translation fragmentation inbound

MAP-T fragmentation rules for inbound oversize packets

inbound Specification

Type	*Configuration Resource*
Element Name	inbound
Element URI	/axapi/v3/cgnv6/map/translation/fragmentation/inbound
Element Attributes	inbound_attributes
Schema	`inbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/translation/fragmentation/inbound

inbound attributes

Get Object

GET

/axapi/v3/cgnv6/map/translation/fragmentation/inbound

inbound attributes

Modify Object

POST

/axapi/v3/cgnv6/map/translation/fragmentation/inbound

inbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/translation/fragmentation/inbound

inbound attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/translation/fragmentation/inbound

inbound attributes

inbound attributes

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.139 cgnv6 map translation fragmentation outbound

MAP-T fragmentation rules for outbound oversize packets

outbound Specification

Type	*Configuration Resource*
Element Name	outbound
Element URI	/axapi/v3/cgnv6/map/translation/fragmentation/outbound
Element Attributes	outbound_attributes
Schema	`outbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/map/translation/fragmentation/outbound

outbound attributes

Get Object

GET

/axapi/v3/cgnv6/map/translation/fragmentation/outbound

outbound attributes

Modify Object

POST

/axapi/v3/cgnv6/map/translation/fragmentation/outbound

outbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/map/translation/fragmentation/outbound

outbound attributes

Delete Object

DELETE

/axapi/v3/cgnv6/map/translation/fragmentation/outbound

outbound attributes

outbound attributes

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.140 cgnv6 nat

Configure CGNv6 NAT

nat Specification

Type	*Intermediate Resource*
Element Name	nat
Element URI	/axapi/v3/cgnv6/nat
Element Attributes	nat_attributes
Schema	`nat schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat

nat_attributes

nat attributes

exclude-port

Description: exclude-port is a **JSON Block**. Please see below for *exclude-port*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/exclude-port*

histogram

Description: histogram is a **JSON Block**. Please see below for *histogram*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/histogram*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/icmp*

icmpv6

Description: icmpv6 is a **JSON Block**. Please see below for *icmpv6*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/icmpv6*

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside*

pool-group-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/pool/{pool-name}*

range-list-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/range-list/{name}+{partition}*

shared-pool

Description: shared-pool is a **JSON Block**. Please see below for *shared-pool*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/shared-pool*

shared-pool-group

Description: shared-pool-group is a **JSON Block**. Please see below for *shared-pool-group*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/shared-pool-group*

shared-pool

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shared-pool-group

Specification	
Type	*object*

members

Description: members is a **JSON Block**. Please see below for *shared-pool-group_members*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/shared-pool-group/members*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shared-pool-group_members

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid

Type: number

Range: 1-31

pool-group-list_member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify CGNv6 NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

histogram

Specification	
Type	*object*

bin-count

Description Number of bins in the histogram (default: 50)

Type: number

Range: 10-100

Default: 50

bin-skew

Description Percentage of bins that represent the upper bound (default: 75)

Type: number

Range: 50-80

Default: 75

data-skew

Description Percentage of data that represents the upper bound (default: 25)

Type: number

Range: 5-50

Default: 25

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmpv6

Specification	
Type	*object*

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

range-list-list

Specification	
Type	*list*
Block object keys	

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

name

Description Name for this Static List

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

exclude-port

Specification	
Type	*object*

tcp

Description: tcp is a **JSON Block**. Please see below for *exclude-port_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/exclude-port/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *exclude-port_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/exclude-port/udp*

exclude-port_udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

exclude-port_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

exclude-port_tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

exclude-port_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

icmp

Specification	
Type	*object*

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *inside_source*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside/source*

inside_source

Specification	
Type	*object*

static-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}*

statistics

Description: statistics is a **JSON Block**. Please see below for *inside_source_statistics*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside/source/statistics*

inside_source_statistics

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside_source_static-list

Specification	
Type	*list*
Block object keys	

nat-address

Description NAT Address

Type: string

Format: ipv4-address

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

pool-list

Specification	
Type	*list*
Block object keys	

all

Description Share with all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

exclude-ip

Type: List

group

Description Share with a partition group (Partition Group Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

max-users-per-ip

Description Number of users that can be assigned to a NAT IP

Type: number

Range: 1-64512

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

partition

Description Share with a single partition (Partition Name)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

per-batch-port-usage-warning-threshold

Description Configure warning log threshold for per batch port usage (default: disabled) (Number of ports)

Type: number

Range: 32-4096

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-batch-v2-size

Description '64': Allocate 64 ports at a time; '128': Allocate 128 ports at a time; '256': Allocate 256 ports at a time; '512': Allocate 512 ports at a time; '1024': Allocate 1024 ports at a time; '2048': Allocate 2048 ports at a time; '4096': Allocate 4096 ports at a time;

Type: string

Supported Values: 64, 128, 256, 512, 1024, 2048, 4096

shared

Description Share this pool with other partitions (default: not shared)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

simultaneous-batch-allocation

Description Allocate same TCP and UDP batches at once

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

tcp-time-wait-interval

Description Minutes before TCP NAT ports can be reused

Type: number

Range: 0-10

usable-nat-ports

Description Configure usable NAT ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports-end

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-nat-ports-start

Description Start Port of Usable NAT Ports (needs to be even)

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

pool-list_exclude-ip

Specification	
Type	*list*
Block object keys	

exclude-ip-end

Description Address range end

Type: string

Format: ipv4-address

exclude-ip-start

Description Single IP address or IP address range start

Type: string

Format: ipv4-address

2.19.141 cgnv6 nat46-stateless

Configure Stateless NAT46

nat46-stateless Specification

Type	*Intermediate Resource*
Element Name	nat46-stateless
Element URI	/axapi/v3/cgnv6/nat46-stateless
Element Attributes	nat46-stateless_attributes
Schema	`nat46-stateless schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat46-stateless

nat46-stateless_attributes

nat46-stateless attributes

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/fragmentation*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/global*

partition-prefix-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/partition-prefix/{partition}*

prefix

Description: prefix is a **JSON Block**. Please see below for *prefix*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/prefix*

static-dest-mapping-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/{v4-address}+{v6-address}*

static-dest-mapping-list

Specification	
Type	*list*
Block object keys	

count

Description Set number of consecutive mappings (Number of mappings)

Type: number

shared

Description Share/Expose this mapping with other partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

to-shared

Description Send NATed traffic through shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-address

Description IPv4 address

Type: string

Format: ipv4-address

v6-address

Description IPv6 address

Type: string

Format: ipv6-address

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound*

fragmentation_inbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fragmentation_outbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound_ipv4_received': Outbound IPv4 packets received; 'outbound_ipv4_drop': Outbound IPv4 packets dropped; 'outbound_ipv4_fragment_received': Outbound IPv4 fragment packets received; 'outbound_ipv6_unreachable': Outbound IPv6 destination unreachable; 'outbound_ipv6_fragmented': Outbound IPv6 packets fragmented; 'inbound_ipv6_received': Inbound IPv6 packets received; 'inbound_ipv6_drop': Inbound IPv6 packets dropped; 'inbound_ipv6_fragment_received': Inbound IPv6 fragment packets received; 'inbound_ipv4_unreachable': Inbound IPv4 destination unreachable; 'inbound_ipv4_fragmented': Inbound IPv4 packets fragmented; 'packet_too_big': Packet too big; 'fragment_error': Fragment processing errors; 'icmpv6_to_icmp': ICMPv6 to ICMP; 'icmpv6_to_icmp_error': ICMPv6 to ICMP errors; 'icmp_to_icmpv6': ICMP to ICMPv6; 'icmp_to_icmpv6_error': ICMP to ICMPv6 errors; 'ha_standby': HA is standby; 'other_error': Other errors;

Type: string

Supported Values: all, outbound_ipv4_received, outbound_ipv4_drop, outbound_ipv4_fragment_received, outbound_ipv6_unreachable, outbound_ipv6_fragmented, inbound_ipv6_received, inbound_ipv6_drop, inbound_ipv6_fragment_received, inbound_ipv4_unreachable, inbound_ipv4_fragmented, packet_too_big, fragment_error, icmpv6_to_icmp, icmpv6_to_icmp_error, icmp_to_icmpv6, icmp_to_icmpv6_error, ha_standby, other_error, conn_count

prefix

Specification	
Type	*object*

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

partition-prefix-list

Specification	
Type	*list*
Block object keys	

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

partition

Description Partition Name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.142 cgnv6 nat46-stateless fragmentation

Stateless NAT46 parameters

fragmentation Specification

Type	*Intermediate Resource*
Element Name	fragmentation
Element URI	/axapi/v3/cgnv6/nat46-stateless/fragmentation
Element Attributes	fragmentation_attributes
Schema	`fragmentation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat46-stateless/fragmentation

fragmentation_attributes

fragmentation attributes

inbound

Description: inbound is a **JSON Block**. Please see below for *inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound*

inbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

outbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.143 cgnv6 nat46-stateless fragmentation inbound

Stateless NAT46 fragmentation rules for inbound oversize packets

inbound Specification

Type	*Configuration Resource*
Element Name	inbound
Element URI	/axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound
Element Attributes	inbound_attributes
Schema	`inbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound

inbound attributes

```
POST /axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound
Payload:
{
    "inbound": {
        "action": "drop"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound

inbound attributes

```
GET /axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound
Reponse:
{
    "inbound": {
        "action": "drop",
        "uuid": "5abf8610-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound

inbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound

inbound attributes

```
PUT /axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound
Payload:
{
    "inbound": {
        "action": "drop"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound

inbound attributes

```
DELETE /axapi/v3/cgnv6/nat46-stateless/fragmentation/inbound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

inbound attributes

action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.144 cgnv6 nat46-stateless fragmentation outbound

Stateless NAT46 fragmentation rules for outbound oversize packets

outbound Specification

Type	*Configuration Resource*
Element Name	outbound
Element URI	/axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound
Element Attributes	outbound_attributes
Schema	`outbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound

outbound attributes

```
POST /axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound
Payload:
{
    "outbound": {
        "df-set": "send-icmp",
        "count": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound

outbound attributes

```
GET /axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound
Reponse:
{
    "outbound": {
        "df-set": "send-icmp",
        "count": 1,
        "action": "ipv6",
        "uuid": "5abf86ec-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound

outbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound

outbound attributes

```
PUT /axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound
Payload:
{
    "outbound": {
        "df-set": "send-icmp",
        "count": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound

outbound attributes

```
DELETE /axapi/v3/cgnv6/nat46-stateless/fragmentation/outbound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

outbound attributes

action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.145 cgnv6 nat46-stateless global

Stateless NAT46 Statistics

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/nat46-stateless/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/nat46-stateless/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat46-stateless/global

global attributes

```
POST /axapi/v3/cgnv6/nat46-stateless/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat46-stateless/global

global attributes

```
GET /axapi/v3/cgnv6/nat46-stateless/global
Reponse:
{
    "global": {
        "uuid": "5abf8516-5c04-11d9-835e-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/nat46-stateless/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat46-stateless/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat46-stateless/global

global attributes

```
PUT /axapi/v3/cgnv6/nat46-stateless/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "outbound_ipv4_received"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat46-stateless/global

global attributes

```
DELETE /axapi/v3/cgnv6/nat46-stateless/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound_ipv4_received': Outbound IPv4 packets received; 'outbound_ipv4_drop': Outbound IPv4 packets dropped; 'outbound_ipv4_fragment_received': Outbound IPv4 fragment packets received; 'outbound_ipv6_unreachable': Outbound IPv6 destination unreachable; 'outbound_ipv6_fragmented': Outbound IPv6 packets fragmented; 'inbound_ipv6_received': Inbound IPv6 packets received; 'inbound_ipv6_drop': Inbound IPv6 packets dropped; 'inbound_ipv6_fragment_received': Inbound IPv6 fragment packets received; 'inbound_ipv4_unreachable': Inbound IPv4 destination unreachable; 'inbound_ipv4_fragmented': Inbound IPv4 packets fragmented; 'packet_too_big': Packet too big; 'fragment_error': Fragment processing errors; 'icmpv6_to_icmp': ICMPv6 to ICMP; 'icmpv6_to_icmp_error': ICMPv6 to ICMP errors; 'icmp_to_icmpv6': ICMP to ICMPv6; 'icmp_to_icmpv6_error': ICMP to ICMPv6 errors; 'ha_standby': HA is standby; 'other_error': Other errors;

Type: string

Supported Values: all, outbound_ipv4_received, outbound_ipv4_drop, outbound_ipv4_fragment_received, outbound_ipv6_unreachable, outbound_ipv6_fragmented, inbound_ipv6_received, inbound_ipv6_drop, inbound_ipv6_fragment_received, inbound_ipv4_unreachable, inbound_ipv4_fragmented, packet_too_big, fragment_error, icmpv6_to_icmp, icmpv6_to_icmp_error, icmp_to_icmpv6, icmp_to_icmpv6_error, ha_standby, other_error, conn_count

stats data

	Counter	Size	Description
	inbound_ipv6_fragment_received	8	Inbound IPv6 fragment packets received
	inbound_ipv4_unreachable	8	Inbound IPv4 destination unreachable
	icmp_to_icmpv6	8	ICMP to ICMPv6
	outbound_ipv4_fragment_received	8	Outbound IPv4 fragment packets received
	outbound_ipv4_received	8	Outbound IPv4 packets received
	outbound_ipv6_fragmented	8	Outbound IPv6 packets fragmented
	ha_standby	8	HA is standby
	packet_too_big	8	Packet too big
	inbound_ipv6_received	8	Inbound IPv6 packets received
	fragment_error	8	Fragment processing errors
	inbound_ipv6_drop	8	Inbound IPv6 packets dropped
	icmpv6_to_icmp	8	ICMPv6 to ICMP
	outbound_ipv4_drop	8	Outbound IPv4 packets dropped
	icmpv6_to_icmp_error	8	ICMPv6 to ICMP errors
	inbound_ipv4_fragmented	8	Inbound IPv4 packets fragmented
	outbound_ipv6_unreachable	8	Outbound IPv6 destination unreachable
	conn_count	8	conn count
	other_error	8	Other errors
	icmp_to_icmpv6_error	8	ICMP to ICMPv6 errors

2.19.146 cgnv6 nat46-stateless partition-prefix

Configure NAT46 prefix for a L3V partition traffic

partition-prefix Specification

Type	*Collection*
Object Key(s)	*partition*
Collection Name	*partition-prefix-list*
Collection URI	/axapi/v3/cgnv6/nat46-stateless/partition-prefix
Element Name	partition-prefix
Element URI	/axapi/v3/cgnv6/nat46-stateless/partition-prefix/{partition}
Element Attributes	partition-prefix_attributes
Schema	`partition-prefix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat46-stateless/partition-prefix

partition-prefix attributes

Create List

POST

/axapi/v3/cgnv6/nat46-stateless/partition-prefix

partition-prefix attributes

Get Object

GET

/axapi/v3/cgnv6/nat46-stateless/partition-prefix/{partition}

partition-prefix attributes

Get List

GET

/axapi/v3/cgnv6/nat46-stateless/partition-prefix

partition-prefix-list

Modify Object

POST

/axapi/v3/cgnv6/nat46-stateless/partition-prefix/{partition}

partition-prefix attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat46-stateless/partition-prefix/{partition}

partition-prefix attributes

Replace List

PUT

/axapi/v3/cgnv6/nat46-stateless/partition-prefix

partition-prefix-list

Delete Object

DELETE

/axapi/v3/cgnv6/nat46-stateless/partition-prefix/{partition}

partition-prefix attributes

partition-prefix-list

partition-prefix-list is **JSON List** of *partition-prefix attributes*

partition-prefix-list : [

{ *partition-prefix attributes* },

{ *partition-prefix attributes* },

...

]

partition-prefix attributes

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

partition

Description Partition Name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.147 cgnv6 nat46-stateless prefix

Enable Stateless NAT46 IPv6 source address

prefix Specification

Type	*Configuration Resource*
Element Name	prefix
Element URI	/axapi/v3/cgnv6/nat46-stateless/prefix
Element Attributes	prefix_attributes
Schema	`prefix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat46-stateless/prefix

prefix attributes

```
POST /axapi/v3/cgnv6/nat46-stateless/prefix
Payload:
{
    "prefix": {
        "ipv6-prefix": "2003::1/96"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat46-stateless/prefix

prefix attributes

```
GET /axapi/v3/cgnv6/nat46-stateless/prefix
Reponse:
{
    "prefix": {
        "ipv6-prefix": "2003::1/96",
        "uuid": "02a20f58-6027-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat46-stateless/prefix"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat46-stateless/prefix

prefix attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat46-stateless/prefix

prefix attributes

```
PUT /axapi/v3/cgnv6/nat46-stateless/prefix
Payload:
{
    "prefix": {
        "ipv6-prefix": "2003::2/96"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat46-stateless/prefix

prefix attributes

```
DELETE /axapi/v3/cgnv6/nat46-stateless/prefix
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

prefix attributes

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.148 cgnv6 nat46-stateless static-dest-mapping

Stateless NAT46 mapping (IPv4 <-> IPv6)

static-dest-mapping Specification

Type	*Collection*
Object Key(s)	*v4-address, v6-address*
Collection Name	*static-dest-mapping-list*
Collection URI	/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping
Element Name	static-dest-mapping
Element URI	/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/{v4-address}+{v6-address}
Element Attributes	static-dest-mapping_attributes
Schema	`static-dest-mapping schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping

static-dest-mapping attributes

```
POST /axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/
Payload:
{
    "static-dest-mapping": {
        "v6-address": "2003::1",
        "v4-address": "3.3.3.3",
        "count": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping

static-dest-mapping attributes

Get Object

GET

/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/{v4-address}+{v6-address}

static-dest-mapping attributes

```
GET /axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/3.3.3.3+2003::1
Reponse:
{
    "static-dest-mapping": {
        "v4-address": "3.3.3.3",
        "v6-address": "2003::1",
        "count": 1,
        "shared": 0,
        "uuid": "14f51506-6027-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/3.3.3.3+2003
↪%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping

static-dest-mapping-list

Modify Object

POST

/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/{v4-address}+{v6-address}

static-dest-mapping attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/{v4-address}+{v6-address}

static-dest-mapping attributes

```
PUT /axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/3.3.3.3+2003::1
Payload:
{
    "static-dest-mapping": {
        "v6-address": "2003::1",
        "v4-address": "3.3.3.3",
        "count": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping

static-dest-mapping-list

Delete Object

DELETE

/axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/{v4-address}+{v6-address}

static-dest-mapping attributes

```
DELETE /axapi/v3/cgnv6/nat46-stateless/static-dest-mapping/3.3.3.3+2003::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

static-dest-mapping-list

static-dest-mapping-list is **JSON List** of *static-dest-mapping attributes*

static-dest-mapping-list : [

{ *static-dest-mapping attributes* },

{ *static-dest-mapping attributes* },

...

]

static-dest-mapping attributes

count

Description Set number of consecutive mappings (Number of mappings)

Type: number

shared

Description Share/Expose this mapping with other partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

to-shared

Description Send NATed traffic through shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-address

Description IPv4 address

Type: string

Format: ipv4-address

v6-address

Description IPv6 address

Type: string

Format: ipv6-address

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.149 cgnv6 nat64

Configure NAT64

nat64 Specification

Type	*Intermediate Resource*
Element Name	nat64
Element URI	/axapi/v3/cgnv6/nat64
Element Attributes	nat64_attributes
Schema	`nat64 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat64

nat64_attributes

nat64 attributes

alg

Description: alg is a **JSON Block**. Please see below for *alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg*

enhanced-user-tracking

Description: enhanced-user-tracking is a **JSON Block**. Please see below for *enhanced-user-tracking*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/enhanced-user-tracking*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *full-cone-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/global*

prefix-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat64/prefix/{prefix-val}*

user-quota-session

Description: user-quota-session is a **JSON Block**. Please see below for *user-quota-session*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/user-quota-session*

fragmentation

Specification	
Type	*object*

df-bit-transparency

Description: df-bit-transparency is a **JSON Block**. Please see below for *fragmentation_df-bit-transparency*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency*

inbound

Description: inbound is a **JSON Block**. Please see below for *fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/outbound*

fragmentation_inbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fragmentation_outbound

Specification	
Type	*object*

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation (default); 'send-icmpv6': Send ICMPv6 Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fragmentation_df-bit-transparency

Specification	
Type	*object*

df-bit-value

Description 'enable': Add an empty IPv6 fragmentation header if IPv4 DF bit is zero;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg

Specification	
Type	*object*

esp

Description: esp is a **JSON Block**. Please see below for *alg_esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *alg_h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *alg_mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/tftp*

alg_ftp

Specification	
Type	*object*

ftp-enable

Description 'disable': Disable NAT64 FTP ALG;

Type: string

Supported Values: disable

trans-eprt-to-port

Description 'disable': disable;

Type: string

Supported Values: disable

trans-epsv-to-pasv

Description 'disable': disable;

Type: string

Supported Values: disable

trans-lprt-to-port

Description 'disable': disable;

Type: string

Supported Values: disable

trans-lpsv-to-pasv

Description 'disable': disable;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xlat-no-trans-pasv

Description 'enable': enable;

Type: string

Supported Values: enable

alg_sip

Specification	
Type	*object*

sip-enable

Description 'enable': Enable NAT64 SIP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_esp

Specification	
Type	*object*

esp-enable

Description 'enable': Enable NAT64 ESP ALG;

Type: string

Supported Values: enable, enable-with-ctrl

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'nat-ip-conflict': NAT IP Conflict;

Type: string

Supported Values: all, session-created, nat-ip-conflict

alg_pptp

Specification	
Type	*object*

pptp-enable

Description 'enable': Enable NAT64 PPTP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_rtsp

Specification	
Type	*object*

rtsp-enable

Description 'enable': Enable NAT64 RTSP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_h323

Specification	
Type	*object*

h323-enable

Description 'enable': Enable NAT64 H323 ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp

Specification	
Type	*object*

tftp-enable

Description 'enable': Enable NAT64 TFTP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_mgcp

Specification	
Type	*object*

mgcp-enable

Description 'enable': Enable NAT64 MGCP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

all

Description All packet sizes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force-non-zero-ipv4-id

Description Enable non-zero ID field in IPv4 header when no IPv6 Fragment for packet size more than 88 & less than or equal to 1280 bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp

Description: icmp is a **JSON Block**. Please see below for *global_icmp*

Type: Object

inside

Description: inside is a **JSON Block**. Please see below for *global_inside*

Type: Object

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *global_tcp*

Type: Object

user-quota-prefix-length

Description User Quota Prefix Length (Default: 128)

Type: number

Range: 1-128

Default: 128

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *global_inside_source*

Type: Object

global_inside_source

Specification	
Type	*object*

class-list

Description Class-list to match for NAT64

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': Total TCP Ports Freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded': Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched; 'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'nat_mismatch_drop': NAT Pool Mismatch Drop; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'no_radius_profile_match': No RADIUS Profile Match; 'l3': Layer 3 Forwarded Packets; 'source_matches_prefix': Source Address Prefix Match Drop; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'no_class_list_match': No Class-List Match; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'prefix_quota_created': Total Prefix Quota Created; 'prefix_quota_put_in_del_q': Total Prefix Quota Freed; 'prefix_quota_failure': Total Prefix Quota Failure; 'total_user_quota_created': Total Quota Structure Created; 'total_user_quota_put_in_del_q': Total Quota Structure Freed; 'total_user_quota_failure': Total Quota Structure Failure; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped; 'user_quota_not_found':

User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched; 'nat_port_unavailable_other': Other NAT Port Unavailable; 'nat_port_unavailable': Total NAT Port Unavailable; 'new_user_resource_unavailable_tcp': TCP New User NAT Resource Unavailable; 'new_user_resource_unavailable_udp': UDP New User NAT Resource Unavailable; 'new_user_resource_unavailable_icmp': ICMP New User NAT Resource Unavailable; 'new_user_resource_unavailable_other': Other New User NAT Resource Unavailable; 'total_tcp_allocated_shadow': Total TCP Ports Allocated; 'total_tcp_freed_shadow': Total TCP Ports Freed; 'total_udp_allocated_shadow': Total UDP Ports Allocated; 'total_udp_freed_shadow': Total UDP Ports Freed; 'total_icmp_allocated_shadow': Total ICMP Ports Allocated; 'total_icmp_freed_shadow': Total ICMP Ports Freed; 'udp_alg_no_quota': UDP ALG User-Quota Not Found; 'udp_alg_eim_mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp_alg_no_nat_ip': UDP ALG User-Quota Unknown NAT IP; 'udp_alg_alloc_failure': UDP ALG Port Allocation Failure; 'sip_alg_no_quota': SIP ALG User-Quota Not Found; 'sip_alg_quota_inc_failure': SIP ALG User-Quota Exceeded; 'sip_alg_no_nat_ip': SIP ALG Unknown NAT IP; 'sip_alg_reuse_contact_fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip_alg_contact_fullcone_mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip_alg_alloc_contact_port_failure': SIP ALG Alloc Contact NAT Port Failure; 'sip_alg_create_contact_fullcone_failure': SIP ALG Create Contact Full-cone Session Failure; 'sip_alg_release_contact_port_failure': SIP ALG Release Contact NAT Port Failure; 'sip_alg_single_rtp_fullcone': SIP ALG Single RTP Full-cone Found; 'sip_alg_single_rtcp_fullcone': SIP ALG Single RTCP Full-cone Found; 'sip_alg_rtcp_fullcone_mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip_alg_reuse_rtp_rtcp_fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip_alg_alloc_rtp_rtcp_port_failure': SIP ALG Alloc RTP/RTCP NAT Ports Failure; 'sip_alg_alloc_single_port_failure': SIP ALG Alloc Single RTP or RTCP NAT Port Failure; 'sip_alg_create_single_fullcone_failure': SIP ALG Create Single RTP or RTCP Full-cone Session Failure; 'sip_alg_create_rtp_fullcone_failure': SIP ALG Create RTP Full-cone Session Failure; 'sip_alg_create_rtcp_fullcone_failure': SIP ALG Create RTCP Full-cone Session Failure; 'sip_alg_port_pair_alloc_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_alloc_from_partition': SIP ALG Port Pair Allocated From Partition; 'sip_alg_port_pair_alloc_from_quota_consecutive': SIP ALG Port Pair Allocated From Quota Consecutive; 'sip_alg_port_pair_alloc_from_quota_partition': SIP ALG Port Pair Allocated From Quota Partition; 'sip_alg_port_pair_alloc_from_quota_partition_error': SIP ALG Port Pair Allocated From Quota Partition Error; 'sip_alg_port_pair_allocated_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_allocated_from_partition': SIP ALG Port Pair Allocated From Partition; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created, data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp,

new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, fullcone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, l3, source_matches_prefix, lid_drop, lid_pass_through, no_class_list_match, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, prefix_quota_created, prefix_quota_put_in_del_q, prefix_quota_failure, total_user_quota_created, total_user_quota_put_in_del_q, total_user_quota_failure, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped, user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, fullcone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure, sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag

counters2

Description 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota; 'quota_extension_remove_not_found': Quota Extension Not Found on Remove; 'ha_sync_port_batch_sent': HA Port Batch Extension Sync Sent; 'ha_sync_port_batch_rcv': HA Port Batch Extension Sync Received; 'ha_send_port_batch_not_found': HA Port Batch Not Found on Sync Send; 'ha_rcv_port_not_in_port_batch': HA Port Not in Port Batch on Sync Rcv; 'bad_port_to_free': Freeing Bad Port; 'consecutive_port_free': Port Freed from Consecutive Pool; 'partition_port_free': Port Freed from Partition; 'port_allocated_from_quota_consecutive': Port Allocated from Quota Consecutive; 'port_allocated_from_quota_partition': Port Allocated from Quota Partition; 'port_freed_from_quota_consecutive': Port

Freed from Quota Consecutive; 'port_freed_from_quota_partition': Port Freed from Quota Partition; 'port_batch_allocated_to_quota': Port Batch Allocated to Quota; 'port_batch_freed_from_quota': Port Batch Freed From Quota; 'specific_port_allocated_from_quota_consecutive': Specific Port Allocated from Quota Consecutive; 'specific_port_allocated_from_quota_partition': Specific Port Allocated from Quota Partition; 'port_batch_container_alloc_failure': Port Batch Container Alloc Out of Memory; 'port_batch_container_alloc_race_free': Port Batch Container Race Free; 'port_overloading_destination_conflict': Port Overloading Destination Conflict; 'port_overloading_out_of_memory': Port Overloading Out of Memory; 'port_overloading_assign_user': Port Overloading Port Assign User; 'port_overloading_assign_user_port_batch': Port Overloading Port Assign User Port Batch; 'port_overloading_inc': Port Overloading Port Increment; 'port_overloading_dec_on_conflict': Port Overloading Port Decrement on Conflict; 'port_overloading_dec_on_free': Port Overloading Port Decrement on Free; 'port_overloading_free_port_on_conflict': Port Overloading Free Port on Conflict; 'port_overloading_free_port_batch_on_conflict': Port Overloading Free Port Batch on Conflict; 'port_overloading_inc_overflow': Port Overloading Inc Overflow; 'port_overloading_attempt_consecutive_ports': Port Overloading on Consecutive Ports; 'port_overloading_attempt_same_partition': Port Overloading on Same Partition; 'port_overloading_attempt_diff_partition': Port Overloading on Different Partition; 'port_overloading_attempt_failed': Port Overloading Attempt Failed; 'port_overloading_conn_free_retry_lookup': Port Overloading Conn Free Retry Lookup; 'port_overloading_conn_free_not_found': Port Overloading Conn Free Not Found; 'port_overloading_smp_mem_allocated': Port Overloading SMP Session Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not

Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'dst_prefix_mismatch': Destination Prefix Mismatch Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; '6rd_no_match_domain_drop': Sixrd Packets Domain Not Found; 'ha_prefix_not_found': HA No Matching Prefix Found;

Type: string

Supported Values: h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free, quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive, specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports, port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success

counters3

Description 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'dst_prefix_mismatch': Destination Prefix Mismatch Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; '6rd_no_match_domain_drop': Sixrd Packets Domain Not Found; 'ha_prefix_not_found': HA No Matching Prefix Found; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found; 'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive; 'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'adc_port_allocation_failed': ADC Port Allocation Failed; 'adc_port_allocation_ineligible': ADC Port Allocation Not Allowed; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP;

'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000; 'prefix_quota_mismatch': Prefix Quota NAT IP Mismatch;

Type: string

Supported Values: nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, standby_class_list_drop, dst_prefix_mismatch, fullcone_inbound_nat_pool_mismatch, 6rd_no_match_domain_drop, ha_prefix_not_found, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone, mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, adc_port_allocation_failed, adc_port_allocation_ineligible, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others,

rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4, prefix_quota_mismatch

global_tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *global_tcp_mss-clamp*

Type: Object

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *global_tcp_reset-on-error*

Type: Object

global_tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: 476))

Type: number

Range: 0-1420

Default: 476

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping; 'subtract': Specify the value to subtract from the TCP MSS (default: 20);

Type: string

Supported Values: fixed, none, subtract

Default: subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: 20)

Type: number

Range: 0-1420

Default: 20

mss-value

Description The max value allowed for the TCP MSS (default: not configured)

Type: number

Range: 0-1420

global_tcp_reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

global_icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

prefix-list

Specification	
Type	*list*
Block object keys	

class-list

Description Class-list to match for NAT64

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

prefix-val

Description NAT64 Prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

user-quota-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enhanced-user-tracking

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.150 cgnv6 nat64 alg

NAT64 ALG Parameters

alg Specification

Type	*Intermediate Resource*
Element Name	alg
Element URI	/axapi/v3/cgnv6/nat64/alg
Element Attributes	alg_attributes
Schema	`alg schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat64/alg

alg_attributes

alg attributes

esp

Description: esp is a **JSON Block**. Please see below for *esp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/ftp*

h323

Description: h323 is a **JSON Block**. Please see below for *h323*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/h323*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *mgcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/mgcp*

pptp

Description: pptp is a **JSON Block**. Please see below for *pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/alg/tftp*

ftp

Specification	
Type	*object*

ftp-enable

Description 'disable': Disable NAT64 FTP ALG;

Type: string

Supported Values: disable

trans-eprt-to-port

Description 'disable': disable;

Type: string

Supported Values: disable

trans-epsv-to-pasv

Description 'disable': disable;

Type: string

Supported Values: disable

trans-lprt-to-port

Description 'disable': disable;

Type: string

Supported Values: disable

trans-lpsv-to-pasv

Description 'disable': disable;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xlat-no-trans-pasv

Description 'enable': enable;

Type: string

Supported Values: enable

sip

Specification	
Type	*object*

sip-enable

Description 'enable': Enable NAT64 SIP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

esp

Specification	
Type	*object*

esp-enable

Description 'enable': Enable NAT64 ESP ALG;

Type: string

Supported Values: enable, enable-with-ctrl

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'nat-ip-conflict': NAT IP Conflict;

Type: string

Supported Values: all, session-created, nat-ip-conflict

pptp

Specification	
Type	*object*

pptp-enable

Description 'enable': Enable NAT64 PPTP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rtsp

Specification	
Type	*object*

rtsp-enable

Description 'enable': Enable NAT64 RTSP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

h323

Specification	
Type	*object*

h323-enable

Description 'enable': Enable NAT64 H323 ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp

Specification	
Type	*object*

tftp-enable

Description 'enable': Enable NAT64 TFTP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mgcp

Specification	
Type	*object*

mgcp-enable

Description 'enable': Enable NAT64 MGCP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.151 cgnv6 nat64 alg esp

NAT64 ESP ALG (default: disabled)

esp Specification

Type	*Configuration Resource*
Element Name	esp
Element URI	/axapi/v3/cgnv6/nat64/alg/esp
Element Attributes	esp_attributes
Statistics Data URI	/axapi/v3/cgnv6/nat64/alg/esp/stats
Schema	`esp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/alg/esp

esp attributes

```
POST /axapi/v3/cgnv6/nat64/alg/esp
Payload:
{
    "esp": {
        "esp-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/alg/esp

esp attributes

```
GET /axapi/v3/cgnv6/nat64/alg/esp
Reponse:
{
    "esp": {
        "esp-enable": "enable",
        "uuid": "ebea803c-5fff-11d9-8bda-9f1b8c3fd480",
        "a10-url": "/axapi/v3/cgnv6/nat64/alg/esp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/alg/esp

esp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/alg/esp

esp attributes

```
PUT /axapi/v3/cgnv6/nat64/alg/esp
Payload:
{
    "esp": {
        "esp-enable": "enable-with-ctrl"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/alg/esp

esp attributes

```
DELETE /axapi/v3/cgnv6/nat64/alg/esp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

esp attributes

esp-enable

Description 'enable': Enable NAT64 ESP ALG;

Type: string

Supported Values: enable, enable-with-ctrl

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'nat-ip-conflict': NAT IP Conflict;

Type: string

Supported Values: all, session-created, nat-ip-conflict

stats data

	Counter	Size	Description
	session-created	8	ESP Sessions Created
	nat-ip-conflict	8	NAT IP Conflict

2.19.152 cgnv6 nat64 alg ftp

NAT64 FTP ALG (default: enabled)

ftp Specification

Type	*Configuration Resource*
Element Name	ftp
Element URI	/axapi/v3/cgnv6/nat64/alg/ftp
Element Attributes	ftp_attributes
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/alg/ftp

ftp attributes

```
POST /axapi/v3/cgnv6/nat64/alg/ftp
Payload:
{
```

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```
    "ftp": {
        "ftp-enable": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/alg/ftp

ftp attributes

```
GET /axapi/v3/cgnv6/nat64/alg/ftp
Reponse:
{
    "ftp": {
        "ftp-enable": "disable",
        "uuid": "59fa49aa-6027-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/alg/ftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/alg/ftp

ftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/alg/ftp

ftp attributes

```
PUT /axapi/v3/cgnv6/nat64/alg/ftp
Payload:
{
    "ftp": {
        "ftp-enable": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/alg/ftp

ftp attributes

```
DELETE /axapi/v3/cgnv6/nat64/alg/ftp
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

ftp attributes

ftp-enable

Description 'disable': Disable NAT64 FTP ALG;

Type: string

Supported Values: disable

trans-eprt-to-port

Description 'disable': disable;

Type: string

Supported Values: disable

trans-epsv-to-pasv

Description 'disable': disable;

Type: string

Supported Values: disable

trans-lprt-to-port

Description 'disable': disable;

Type: string

Supported Values: disable

trans-lpsv-to-pasv

Description 'disable': disable;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xlat-no-trans-pasv

Description 'enable': enable;

Type: string

Supported Values: enable

2.19.153 cgnv6 nat64 alg h323

NAT64 H323 ALG (default: disabled)

h323 Specification

Type	*Configuration Resource*
Element Name	h323
Element URI	/axapi/v3/cgnv6/nat64/alg/h323
Element Attributes	h323_attributes
Schema	`h323 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/alg/h323

h323 attributes

Get Object

GET

/axapi/v3/cgnv6/nat64/alg/h323

h323 attributes

Modify Object

POST

/axapi/v3/cgnv6/nat64/alg/h323

h323 attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/alg/h323

h323 attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/alg/h323

h323 attributes

h323 attributes

h323-enable

Description 'enable': Enable NAT64 H323 ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.154 cgnv6 nat64 alg mgcp

NAT64 MGCP ALG (default: disabled)

mgcp Specification

Type	*Configuration Resource*
Element Name	mgcp
Element URI	/axapi/v3/cgnv6/nat64/alg/mgcp
Element Attributes	mgcp_attributes
Schema	`mgcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/alg/mgcp

mgcp attributes

Get Object

GET

/axapi/v3/cgnv6/nat64/alg/mgcp

mgcp attributes

Modify Object

POST

/axapi/v3/cgnv6/nat64/alg/mgcp

mgcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/alg/mgcp

mgcp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/alg/mgcp

mgcp attributes

mgcp attributes

mgcp-enable

Description 'enable': Enable NAT64 MGCP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.155 cgnv6 nat64 alg pptp

NAT64 PPTP ALG (default: disabled)

pptp Specification

Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/cgnv6/nat64/alg/pptp
Element Attributes	pptp_attributes
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/alg/pptp

pptp attributes

```
POST /axapi/v3/cgnv6/nat64/alg/pptp
Payload:
{
    "pptp": {
        "pptp-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/alg/pptp

pptp attributes

```
GET /axapi/v3/cgnv6/nat64/alg/pptp
Reponse:
{
    "pptp": {
        "pptp-enable": "enable",
        "uuid": "9840117c-6027-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/alg/pptp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/alg/pptp

pptp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/alg/pptp

pptp attributes

```
PUT /axapi/v3/cgnv6/nat64/alg/pptp
Payload:
{
    "pptp": {
        "pptp-enable": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/alg/pptp

pptp attributes

```
DELETE /axapi/v3/cgnv6/nat64/alg/pptp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pptp attributes

pptp-enable

Description 'enable': Enable NAT64 PPTP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.156 cgnv6 nat64 alg rtsp

NAT64 RTSP ALG (default: disabled)

rtsp Specification

Type	*Configuration Resource*
Element Name	rtsp
Element URI	/axapi/v3/cgnv6/nat64/alg/rtsp
Element Attributes	rtsp_attributes
Schema	`rtsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/alg/rtsp

rtsp attributes

```
POST /axapi/v3/cgnv6/nat64/alg/rtsp
Payload:
{
```

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```
    "rtsp": {
        "rtsp-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/alg/rtsp

rtsp attributes

```
GET /axapi/v3/cgnv6/nat64/alg/rtsp
Reponse:
{
    "rtsp": {
        "rtsp-enable": "enable",
        "uuid": "a5f293da-6027-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/alg/rtsp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/alg/rtsp

rtsp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/alg/rtsp

rtsp attributes

```
PUT /axapi/v3/cgnv6/nat64/alg/rtsp
Payload:
{
    "rtsp": {
        "rtsp-enable": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/alg/rtsp

rtsp attributes

```
DELETE /axapi/v3/cgnv6/nat64/alg/rtsp
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

rtsp attributes

rtsp-enable

Description 'enable': Enable NAT64 RTSP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.157 cgnv6 nat64 alg sip

NAT64 SIP ALG (default: disabled)

sip Specification

Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/cgnv6/nat64/alg/sip
Element Attributes	sip_attributes
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/alg/sip

sip attributes

```
POST /axapi/v3/cgnv6/nat64/alg/sip
Payload:
{
    "sip": {
        "sip-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/alg/sip

sip attributes

```
GET /axapi/v3/cgnv6/nat64/alg/sip
Reponse:
{
    "sip": {
        "sip-enable": "enable",
        "uuid": "b427263c-6027-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/alg/sip"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/alg/sip

sip attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/alg/sip

sip attributes

```
PUT /axapi/v3/cgnv6/nat64/alg/sip
Payload:
{
    "sip": {
        "sip-enable": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/alg/sip

sip attributes

```
DELETE /axapi/v3/cgnv6/nat64/alg/sip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip attributes

sip-enable

Description 'enable': Enable NAT64 SIP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.158 cgnv6 nat64 alg tftp

NAT64 TFTP ALG (default: disabled)

tftp Specification

Type	*Configuration Resource*
Element Name	tftp
Element URI	/axapi/v3/cgnv6/nat64/alg/tftp
Element Attributes	tftp_attributes
Schema	`tftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/alg/tftp

tftp attributes

```
POST /axapi/v3/cgnv6/nat64/alg/tftp
Payload:
{
    "tftp": {
        "tftp-enable": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/alg/tftp

tftp attributes

```
GET /axapi/v3/cgnv6/nat64/alg/tftp
Reponse:
{
    "tftp": {
        "tftp-enable": "enable",
        "uuid": "c1fecd3c-6027-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/alg/tftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/alg/tftp

tftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/alg/tftp

tftp attributes

```
PUT /axapi/v3/cgnv6/nat64/alg/tftp
Payload:
{
    "tftp": {
        "tftp-enable": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/alg/tftp

tftp attributes

```
DELETE /axapi/v3/cgnv6/nat64/alg/tftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tftp attributes

tftp-enable

Description 'enable': Enable NAT64 TFTP ALG;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.159 cgnv6 nat64 enhanced-user-tracking

NAT64 Enhanced User Data

enhanced-user-tracking Specification

Type	*Configuration Resource*
Element Name	enhanced-user-tracking
Element URI	/axapi/v3/cgnv6/nat64/enhanced-user-tracking
Element Attributes	enhanced-user-tracking_attributes
Operational Data URI	/axapi/v3/cgnv6/nat64/enhanced-user-tracking/oper
Schema	`enhanced-user-tracking schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/enhanced-user-tracking

enhanced-user-tracking attributes

Get Object

GET

/axapi/v3/cgnv6/nat64/enhanced-user-tracking

enhanced-user-tracking attributes

Modify Object

POST

/axapi/v3/cgnv6/nat64/enhanced-user-tracking

enhanced-user-tracking attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/enhanced-user-tracking

enhanced-user-tracking attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/enhanced-user-tracking

enhanced-user-tracking attributes

enhanced-user-tracking attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	prefix-filter	ipv6-address-plen	prefix-filter
	pool-shared	flag	pool-shared
	all-partitions	flag	all-partitions
	user-list		user-list
	shared-partition	flag	shared-partition
	inside-addr-v6	ipv6-address	inside-addr-v6
	partition-name	string	partition-name
	user-count	number	user-count
	nat-pool-name	string	nat-pool-name

2.19.160 cgnv6 nat64 fragmentation

NAT64 Fragmentation parameters

fragmentation Specification

Type	*Intermediate Resource*
Element Name	fragmentation
Element URI	/axapi/v3/cgnv6/nat64/fragmentation
Element Attributes	fragmentation_attributes
Schema	`fragmentation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat64/fragmentation

fragmentation_attributes

fragmentation attributes

df-bit-transparency

Description: df-bit-transparency is a **JSON Block**. Please see below for *df-bit-transparency*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency*

inbound

Description: inbound is a **JSON Block**. Please see below for *inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat64/fragmentation/outbound*

inbound

Specification	
Type	*object*

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

outbound

Specification	
Type	*object*

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation (default); 'send-icmpv6': Send ICMPv6 Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

df-bit-transparency

Specification	
Type	*object*

df-bit-value

Description 'enable': Add an empty IPv6 fragmentation header if IPv4 DF bit is zero;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.161 cgnv6 nat64 fragmentation df-bit-transparency

Add an empty IPv6 fragmentation header if IPv4 DF bit is zero (default:disabled)

df-bit-transparency Specification

Type	*Configuration Resource*
Element Name	df-bit-transparency
Element URI	/axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency
Element Attributes	df-bit-transparency_attributes
Schema	`df-bit-transparency schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency

df-bit-transparency attributes

```
POST /axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency
Payload:
{
    "df-bit-transparency": {
        "df-bit-value": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency

df-bit-transparency attributes

```
GET /axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency
Reponse:
{
    "df-bit-transparency": {
        "df-bit-value": "enable",
        "uuid": "e8aba608-6027-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency

df-bit-transparency attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency

df-bit-transparency attributes

```
PUT /axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency
Payload:
{
    "df-bit-transparency": {
        "df-bit-value": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency

df-bit-transparency attributes

```
DELETE /axapi/v3/cgnv6/nat64/fragmentation/df-bit-transparency
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

df-bit-transparency attributes

df-bit-value

Description 'enable': Add an empty IPv6 fragmentation header if IPv4 DF bit is zero;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.162 cgnv6 nat64 fragmentation inbound

Fragmentation Behavior from NAT outside to NAT inside

inbound Specification

Type	*Configuration Resource*
Element Name	inbound
Element URI	/axapi/v3/cgnv6/nat64/fragmentation/inbound
Element Attributes	inbound_attributes
Schema	`inbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/fragmentation/inbound

inbound attributes

```
POST /axapi/v3/cgnv6/nat64/fragmentation/inbound
Payload:
{
    "inbound": {
        "df-set": "send-icmp",
        "count": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/fragmentation/inbound

inbound attributes

```
GET /axapi/v3/cgnv6/nat64/fragmentation/inbound
Reponse:
{
    "inbound": {
        "df-set": "send-icmp",
        "count": 1,
        "frag-action": "ipv6",
        "uuid": "5abee7e6-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/fragmentation/inbound"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/fragmentation/inbound

inbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/fragmentation/inbound

inbound attributes

```
PUT /axapi/v3/cgnv6/nat64/fragmentation/inbound
Payload:
{
    "inbound": {
        "df-set": "send-icmp",
        "count": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/fragmentation/inbound

inbound attributes

```
DELETE /axapi/v3/cgnv6/nat64/fragmentation/inbound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

inbound attributes

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

Default: 1

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default);

Type: string

Supported Values: drop, ipv6, send-icmp

Default: send-icmp

frag-action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 fragmentation for oversize packets (default);

Type: string

Supported Values: drop, ipv6

Default: ipv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.163 cgnv6 nat64 fragmentation outbound

Fragmentation Behavior from NAT inside to NAT outside

outbound Specification

Type	*Configuration Resource*
Element Name	outbound
Element URI	/axapi/v3/cgnv6/nat64/fragmentation/outbound
Element Attributes	outbound_attributes
Schema	`outbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/fragmentation/outbound

outbound attributes

```
POST /axapi/v3/cgnv6/nat64/fragmentation/outbound
Payload:
{
    "outbound": {
        "frag-action": "drop"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/fragmentation/outbound

outbound attributes

```
GET /axapi/v3/cgnv6/nat64/fragmentation/outbound
Reponse:
{
    "outbound": {
        "frag-action": "drop",
        "uuid": "5abee8ae-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/fragmentation/outbound"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/fragmentation/outbound

outbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/fragmentation/outbound

outbound attributes

```
PUT /axapi/v3/cgnv6/nat64/fragmentation/outbound
Payload:
{
    "outbound": {
        "frag-action": "drop"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/fragmentation/outbound

outbound attributes

```
DELETE /axapi/v3/cgnv6/nat64/fragmentation/outbound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

outbound attributes

frag-action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation (default); 'send-icmpv6': Send ICMPv6 Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv4, send-icmpv6

Default: ipv4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.164 cgnv6 nat64 full-cone-session

Full Cone Sessions

full-cone-session Specification

Type	*Configuration Resource*
Element Name	full-cone-session
Element URI	/axapi/v3/cgnv6/nat64/full-cone-session
Element Attributes	full-cone-session_attributes
Operational Data URI	/axapi/v3/cgnv6/nat64/full-cone-session/oper
Schema	`full-cone-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/full-cone-session

full-cone-session attributes

Get Object

GET

/axapi/v3/cgnv6/nat64/full-cone-session

full-cone-session attributes

Modify Object

POST

/axapi/v3/cgnv6/nat64/full-cone-session

full-cone-session attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/full-cone-session

full-cone-session attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/full-cone-session

full-cone-session attributes

full-cone-session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-partition	flag	shared-partition
	pool-shared	flag	pool-shared
	nat-port	number	nat-port
	all-partitions	flag	all-partitions
	nat-pool-name	string	nat-pool-name
	debug-session	flag	debug-session
	nat-addr-start	ipv4-address	nat-addr-start
	nat-addr	ipv4-address	nat-addr
	inside-addr-v6	ipv6-address	inside-addr-v6
	partition-name	string	partition-name
	inside-addr-v6-start	ipv6-address	inside-addr-v6-start
	nat-addr-end	ipv4-address	nat-addr-end
	session-list		session-list
	inside-port	number	inside-port
	graceful	flag	graceful
	session-count	number	session-count
	total-session-count	number	total-session-count
	pcp	flag	pcp
	inside-addr-v6-end	ipv6-address	inside-addr-v6-end

2.19.165 cgnv6 nat64 global

Configure NAT64 parameters

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/nat64/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/nat64/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/global

global attributes

```
POST /axapi/v3/cgnv6/nat64/global
Payload:
{
    "global": {
        "user-quota-prefix-length": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat64/global

global attributes

```
GET /axapi/v3/cgnv6/nat64/global
Reponse:
{
    "global": {
        "user-quota-prefix-length": 1,
        "tcp": {
            "mss-clamp": {
                "mss-clamp-type": "subtract",
                "mss-subtract": 20,
                "min": 476
            }
        },
        "force-non-zero-ipv4-id": 0,
        "icmp": {
            "send-on-port-unavailable": "disable",
            "send-on-user-quota-exceeded": "admin-filtered"
        },
        "uuid": "5abee4c6-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat64/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/global

global attributes

```
PUT /axapi/v3/cgnv6/nat64/global
```

(continues on next page)

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```
Payload:
{
    "global": {
        "user-quota-prefix-length": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/global

global attributes

```
DELETE /axapi/v3/cgnv6/nat64/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

all

Description All packet sizes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force-non-zero-ipv4-id

Description Enable non-zero ID field in IPv4 header when no IPv6 Fragment for packet size more than 88 & less than or equal to 1280 bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

sampling-enable

Type: List

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

user-quota-prefix-length

Description User Quota Prefix Length (Default: 128)

Type: number

Range: 1-128

Default: 128

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *inside_source*

Type: Object

inside_source

Specification	
Type	*object*

class-list

Description Class-list to match for NAT64

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_tcp_allocated': Total TCP Ports Allocated; 'total_tcp_freed': Total TCP Ports Freed; 'total_udp_allocated': Total UDP Ports Allocated; 'total_udp_freed': Total UDP Ports Freed; 'total_icmp_allocated': Total ICMP Ports Allocated; 'total_icmp_freed': Total ICMP Ports Freed; 'data_session_created': Data Session Created; 'data_session_freed': Data Session Freed; 'user_quota_created': User-Quota Created; 'user_quota_put_in_del_q': User-Quota Freed; 'user_quota_failure': User-Quota Creation Failed; 'nat_port_unavailable_tcp': TCP NAT Port Unavailable; 'nat_port_unavailable_udp': UDP NAT Port Unavailable; 'nat_port_unavailable_icmp': ICMP NAT Port Unavailable; 'new_user_resource_unavailable': New User NAT Resource Unavailable; 'tcp_user_quota_exceeded': TCP User-Quota Exceeded; 'udp_user_quota_exceeded': UDP User-Quota Exceeded; 'icmp_user_quota_exceeded': ICMP User-Quota Exceeded; 'extended_quota_matched': Extended User-Quota Matched; 'extended_quota_exceeded': Extended User-Quota Exceeded; 'data_sesn_user_quota_exceeded': Data Session User-Quota Exceeded; 'data_sesn_rate_user_quota_exceeded': Conn Rate User-Quota Exceeded; 'tcp_fullcone_created': TCP Full-cone Session Created; 'tcp_fullcone_freed': TCP Full-cone Session Freed; 'udp_fullcone_created': UDP Full-cone Session Created; 'udp_fullcone_freed': UDP Full-cone Session Freed; 'fullcone_failure': Full-cone Session Creation Failed; 'hairpin': Hairpin Session Created; 'fullcone_self_hairpinning_drop': Self-Hairpinning Drop; 'endpoint_indep_map_match': Endpoint-Independent Mapping Matched; 'endpoint_indep_filter_match': Endpoint-Independent Filtering Matched; 'inbound_filtered': Endpoint-Dependent Filtering Drop; 'eif_limit_exceeded': Endpoint-Independent Filtering Inbound Limit Exceeded; 'nat_mismatch_drop': NAT Pool Mismatch Drop; 'total_tcp_overloaded': TCP Port Overloaded; 'total_udp_overloaded': UDP Port Overloaded; 'port_overloading_smp_inserted_tcp': TCP Port Overloading Session Created; 'port_overloading_smp_inserted_udp': UDP Port Overloading Session Created; 'port_overloading_smp_free_tcp': TCP Port Overloading Session Freed; 'port_overloading_smp_free_udp': UDP Port Overloading Session Freed; 'nat_pool_unusable': NAT Pool Unusable; 'ha_nat_pool_unusable': HA NAT Pool Unusable; 'no_radius_profile_match': No RADIUS Profile Match; 'l3': Layer 3 Forwarded Packets; 'source_matches_prefix': Source Address Prefix Match Drop; 'lid_drop': LSN LID Drop; 'lid_pass_through': LSN LID Pass-through; 'no_class_list_match': No Class-List Match; 'user_quota_mem_allocated': User-Quota Memory Allocated; 'user_quota_mem_freed': User-Quota Memory Freed; 'user_quota_created_shadow': Total User-Quota Created; 'quota_marked_deleted': User-Quota Marked Deleted; 'quota_delete_not_in_bucket': User-Quota Delete Not In Bucket; 'user_quota_put_in_del_q_shadow': Total User-Quota Put In Del Q; 'prefix_quota_created': Total Prefix Quota Created; 'prefix_quota_put_in_del_q': Total Prefix Quota Freed; 'prefix_quota_failure': Total Prefix Quota Failure; 'total_user_quota_created': Total Quota Structure Created; 'total_user_quota_put_in_del_q': Total Quota Structure Freed; 'total_user_quota_failure': Total Quota Structure Failure; 'tcp_out_of_state_rst_sent': Total Out of State TCP RST sent; 'tcp_out_of_state_rst_dropped': Total Out of State TCP RST dropped; 'icmp_out_of_state_uqe_admin_filtered_sent': Total User Quota Exceeded ICMP admin filtered sent; 'icmp_out_of_state_uqe_host_unreachable_sent': Total User Quota Exceeded ICMP host unreachable sent; 'icmp_out_of_state_uqe_dropped': Total User Queue Exceeded ICMP notification dropped; 'user_quota_not_found':

User-Quota Not Found; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'udp_alg_fullcone_created': Total UDP ALG Full-cone sessions created; 'udp_alg_fullcone_freed': Total UDP ALG Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'data_session_created_shadow': Total Data Sessions Created; 'data_session_freed_shadow': Total Data Sessions Freed; 'data_session_user_quota_mismatch': Data Session Counter Per User Mismatch; 'extended_quota_mismatched': Extended User-Quota Mismatched; 'nat_port_unavailable_other': Other NAT Port Unavailable; 'nat_port_unavailable': Total NAT Port Unavailable; 'new_user_resource_unavailable_tcp': TCP New User NAT Resource Unavailable; 'new_user_resource_unavailable_udp': UDP New User NAT Resource Unavailable; 'new_user_resource_unavailable_icmp': ICMP New User NAT Resource Unavailable; 'new_user_resource_unavailable_other': Other New User NAT Resource Unavailable; 'total_tcp_allocated_shadow': Total TCP Ports Allocated; 'total_tcp_freed_shadow': Total TCP Ports Freed; 'total_udp_allocated_shadow': Total UDP Ports Allocated; 'total_udp_freed_shadow': Total UDP Ports Freed; 'total_icmp_allocated_shadow': Total ICMP Ports Allocated; 'total_icmp_freed_shadow': Total ICMP Ports Freed; 'udp_alg_no_quota': UDP ALG User-Quota Not Found; 'udp_alg_eim_mismatch': UDP ALG Endpoint-Independent Mapping Mismatch; 'udp_alg_no_nat_ip': UDP ALG User-Quota Unknown NAT IP; 'udp_alg_alloc_failure': UDP ALG Port Allocation Failure; 'sip_alg_no_quota': SIP ALG User-Quota Not Found; 'sip_alg_quota_inc_failure': SIP ALG User-Quota Exceeded; 'sip_alg_no_nat_ip': SIP ALG Unknown NAT IP; 'sip_alg_reuse_contact_fullcone': SIP ALG Reuse Contact Full-cone Session; 'sip_alg_contact_fullcone_mismatch': SIP ALG Contact Full-cone Session Mismatch; 'sip_alg_alloc_contact_port_failure': SIP ALG Alloc Contact NAT Port Failure; 'sip_alg_create_contact_fullcone_failure': SIP ALG Create Contact Full-cone Session Failure; 'sip_alg_release_contact_port_failure': SIP ALG Release Contact NAT Port Failure; 'sip_alg_single_rtp_fullcone': SIP ALG Single RTP Full-cone Found; 'sip_alg_single_rtcp_fullcone': SIP ALG Single RTCP Full-cone Found; 'sip_alg_rtcp_fullcone_mismatch': SIP ALG RTCP Full-cone NAT Port Mismatch; 'sip_alg_reuse_rtp_rtcp_fullcone': SIP ALG Reuse RTP/RTCP Full-cone Session; 'sip_alg_alloc_rtp_rtcp_port_failure': SIP ALG Alloc RTP/RTCP NAT Ports Failure; 'sip_alg_alloc_single_port_failure': SIP ALG Alloc Single RTP or RTCP NAT Port Failure; 'sip_alg_create_single_fullcone_failure': SIP ALG Create Single RTP or RTCP Full-cone Session Failure; 'sip_alg_create_rtp_fullcone_failure': SIP ALG Create RTP Full-cone Session Failure; 'sip_alg_create_rtcp_fullcone_failure': SIP ALG Create RTCP Full-cone Session Failure; 'sip_alg_port_pair_alloc_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_alloc_from_partition': SIP ALG Port Pair Allocated From Partition; 'sip_alg_port_pair_alloc_from_quota_consecutive': SIP ALG Port Pair Allocated From Quota Consecutive; 'sip_alg_port_pair_alloc_from_quota_partition': SIP ALG Port Pair Allocated From Quota Partition; 'sip_alg_port_pair_alloc_from_quota_partition_error': SIP ALG Port Pair Allocated From Quota Partition Error; 'sip_alg_port_pair_allocated_from_consecutive': SIP ALG Port Pair Allocated From Consecutive; 'sip_alg_port_pair_allocated_from_partition': SIP ALG Port Pair Allocated From Partition; 'port_batch_quota_extension_alloc_failure': Port Batch Extension Alloc Failure (No memory); 'port_batch_free_quota_not_found': Port Batch Quota Not Found on Free; 'port_batch_free_port_not_found': Port Batch Port Not Found on Free;

Type: string

Supported Values: all, total_tcp_allocated, total_tcp_freed, total_udp_allocated, total_udp_freed, total_icmp_allocated, total_icmp_freed, data_session_created, data_session_freed, user_quota_created, user_quota_put_in_del_q, user_quota_failure, nat_port_unavailable_tcp, nat_port_unavailable_udp, nat_port_unavailable_icmp,

new_user_resource_unavailable, tcp_user_quota_exceeded, udp_user_quota_exceeded, icmp_user_quota_exceeded, extended_quota_matched, extended_quota_exceeded, data_sesn_user_quota_exceeded, data_sesn_rate_user_quota_exceeded, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_failure, hairpin, fullcone_self_hairpinning_drop, endpoint_indep_map_match, endpoint_indep_filter_match, inbound_filtered, eif_limit_exceeded, total_tcp_overloaded, total_udp_overloaded, port_overloading_smp_inserted_tcp, port_overloading_smp_inserted_udp, port_overloading_smp_free_tcp, port_overloading_smp_free_udp, nat_pool_unusable, ha_nat_pool_unusable, ha_nat_pool_batch_type_mismatch, no_radius_profile_match, l3, source_matches_prefix, lid_drop, lid_pass_through, no_class_list_match, user_quota_mem_allocated, user_quota_mem_freed, user_quota_created_shadow, quota_marked_deleted, quota_delete_not_in_bucket, user_quota_put_in_del_q_shadow, prefix_quota_created, prefix_quota_put_in_del_q, prefix_quota_failure, total_user_quota_created, total_user_quota_put_in_del_q, total_user_quota_failure, tcp_out_of_state_rst_sent, tcp_out_of_state_rst_dropped, icmp_out_of_state_uqe_admin_filtered_sent, icmp_out_of_state_uqe_host_unreachable_sent, icmp_out_of_state_uqe_dropped, user_quota_not_found, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, udp_alg_fullcone_created, udp_alg_fullcone_freed, fullcone_created, fullcone_freed, data_session_created_shadow, data_session_freed_shadow, data_session_user_quota_mismatch, extended_quota_mismatched, nat_port_unavailable_other, nat_port_unavailable, new_user_resource_unavailable_tcp, new_user_resource_unavailable_udp, new_user_resource_unavailable_icmp, new_user_resource_unavailable_other, total_tcp_allocated_shadow, total_tcp_freed_shadow, total_udp_allocated_shadow, total_udp_freed_shadow, total_icmp_allocated_shadow, total_icmp_freed_shadow, udp_alg_no_quota, udp_alg_eim_mismatch, udp_alg_no_nat_ip, udp_alg_alloc_failure, sip_alg_no_quota, sip_alg_quota_inc_failure, sip_alg_no_nat_ip, sip_alg_reuse_contact_fullcone, sip_alg_contact_fullcone_mismatch, sip_alg_alloc_contact_port_failure, sip_alg_create_contact_fullcone_failure, sip_alg_release_contact_port_failure, sip_alg_single_rtp_fullcone, sip_alg_single_rtcp_fullcone, sip_alg_rtcp_fullcone_mismatch, sip_alg_reuse_rtp_rtcp_fullcone, sip_alg_alloc_rtp_rtcp_port_failure, sip_alg_alloc_single_port_failure, sip_alg_create_single_fullcone_failure, sip_alg_create_rtp_fullcone_failure, sip_alg_create_rtcp_fullcone_failure, sip_alg_port_pair_alloc_from_consecutive, sip_alg_port_pair_alloc_from_partition, sip_alg_port_pair_alloc_from_pool_port_batch, sip_alg_port_pair_alloc_from_quota_consecutive, sip_alg_port_pair_alloc_from_quota_partition, sip_alg_port_pair_alloc_from_quota_partition_error, sip_alg_port_pair_alloc_from_quota_pool_port_batch, sip_alg_port_pair_alloc_from_quota_pool_port_batch_with_frag

counters2

Description 'port_batch_free_wrong_partition': Port Batch Free Wrong Partition; 'radius_query_quota_ext_alloc_failure': RADIUS Query Container Alloc (No Memoty); 'radius_query_quota_ext_alloc_race_free': RADIUS Query Container Alloc Race Free; 'quota_extension_added': Quota Extension Added to Quota; 'quota_extension_removed': Quota Extension Removed from Quota; 'quota_extension_remove_not_found': Quota Extension Not Found on Remove; 'ha_sync_port_batch_sent': HA Port Batch Extension Sync Sent; 'ha_sync_port_batch_rcv': HA Port Batch Extension Sync Received; 'ha_send_port_batch_not_found': HA Port Batch Not Found on Sync Send; 'ha_rcv_port_not_in_port_batch': HA Port Not in Port Batch on Sync Rcv; 'bad_port_to_free': Freeing Bad Port; 'consecutive_port_free': Port Freed from Consecutive Pool; 'partition_port_free': Port Freed from Partition; 'port_allocated_from_quota_consecutive': Port Allocated from Quota Consecutive; 'port_allocated_from_quota_partition': Port Allocated from Quota Partition; 'port_freed_from_quota_consecutive': Port

Freed from Quota Consecutive; 'port_freed_from_quota_partition': Port Freed from Quota Partition; 'port_batch_allocated_to_quota': Port Batch Allocated to Quota; 'port_batch_freed_from_quota': Port Batch Freed From Quota; 'specific_port_allocated_from_quota_consecutive': Specific Port Allocated from Quota Consecutive; 'specific_port_allocated_from_quota_partition': Specific Port Allocated from Quota Partition; 'port_batch_container_alloc_failure': Port Batch Container Alloc Out of Memory; 'port_batch_container_alloc_race_free': Port Batch Container Race Free; 'port_overloading_destination_conflict': Port Overloading Destination Conflict; 'port_overloading_out_of_memory': Port Overloading Out of Memory; 'port_overloading_assign_user': Port Overloading Port Assign User; 'port_overloading_assign_user_port_batch': Port Overloading Port Assign User Port Batch; 'port_overloading_inc': Port Overloading Port Increment; 'port_overloading_dec_on_conflict': Port Overloading Port Decrement on Conflict; 'port_overloading_dec_on_free': Port Overloading Port Decrement on Free; 'port_overloading_free_port_on_conflict': Port Overloading Free Port on Conflict; 'port_overloading_free_port_batch_on_conflict': Port Overloading Free Port Batch on Conflict; 'port_overloading_inc_overflow': Port Overloading Inc Overflow; 'port_overloading_attempt_consecutive_ports': Port Overloading on Consecutive Ports; 'port_overloading_attempt_same_partition': Port Overloading on Same Partition; 'port_overloading_attempt_diff_partition': Port Overloading on Different Partition; 'port_overloading_attempt_failed': Port Overloading Attempt Failed; 'port_overloading_conn_free_retry_lookup': Port Overloading Conn Free Retry Lookup; 'port_overloading_conn_free_not_found': Port Overloading Conn Free Not Found; 'port_overloading_smp_mem_allocated': Port Overloading SMP Session Allocated; 'port_overloading_smp_mem_freed': Port Overloading SMP Session Freed; 'port_overloading_smp_inserted': Port Overloading SMP Inserted; 'port_overloading_smp_inserted_tcp_shadow': Total Port Overloading SMP TCP Inserted; 'port_overloading_smp_inserted_udp_shadow': Total Port Overloading SMP UDP Inserted; 'port_overloading_smp_free_tcp_shadow': Total Port Overloading SMP TCP Freed; 'port_overloading_smp_free_udp_shadow': Total Port Overloading SMP UDP Freed; 'port_overloading_smp_put_in_del_q_from_conn': Port Overloading SMP Free From Conn; 'port_overloading_smp_free_dec_failure': Port Overloading SMP Free Dec Failure; 'port_overloading_smp_free_no_quota': Port Overloading SMP Free No Quota; 'port_overloading_smp_free_port': Port Overloading SMP Free Port; 'port_overloading_smp_free_port_from_quota': Port Overloading SMP Free Port From Quota; 'port_overloading_for_no_ports': Port Overloading for No Ports; 'port_overloading_for_no_ports_success': Port Overloading for No Ports Success; 'port_overloading_for_quota_exceeded': Port Overloading for Quota Exceeded; 'port_overloading_for_quota_exceeded_success': Port Overloading for Quota Exceeded Success; 'port_overloading_for_quota_exceeded_race': Port Overloading for Quota Exceeded Race; 'port_overloading_for_quota_exceeded_race_success': Port Overloading for Quota Exceeded Race Success; 'port_overloading_for_new_user': Port Overloading for New User; 'port_overloading_for_new_user_success': Port Overloading for New User Success; 'ha_port_overloading_attempt_failed': HA Port Overloading Attempt Failed; 'ha_port_overloading_for_no_ports': HA Port Overloading for No Ports; 'ha_port_overloading_for_no_ports_success': HA Port Overloading for No Ports Success; 'ha_port_overloading_for_quota_exceeded': HA Port Overloading for Quota Exceeded; 'ha_port_overloading_for_quota_exceeded_success': HA Port Overloading for Quota Exceeded Success; 'ha_port_overloading_for_quota_exceeded_race': HA Port Overloading for Quota Exceeded Race; 'ha_port_overloading_for_quota_exceeded_race_success': HA Port Overloading for Quota Exceeded Race Success; 'ha_port_overloading_for_new_user': HA Port Overloading for New User; 'ha_port_overloading_for_new_user_success': HA Port Overloading for New User Success; 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not

Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'dst_prefix_mismatch': Destination Prefix Mismatch Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; '6rd_no_match_domain_drop': Sixrd Packets Domain Not Found; 'ha_prefix_not_found': HA No Matching Prefix Found;

Type: string

Supported Values: h323_alg_no_quota, h323_alg_quota_inc_failure, h323_alg_no_nat_ip, h323_alg_reuse_fullcone, h323_alg_fullcone_mismatch, h323_alg_alloc_port_failure, h323_alg_create_fullcone_failure, h323_alg_release_port_failure, h323_alg_single_rtp_fullcone, h323_alg_single_rtcp_fullcone, h323_alg_rtcp_fullcone_mismatch, h323_alg_reuse_rtp_rtcp_fullcone, h323_alg_alloc_rtp_rtcp_port_failure, h323_alg_alloc_single_port_failure, h323_alg_create_single_fullcone_failure, h323_alg_create_rtp_fullcone_failure, h323_alg_create_rtcp_fullcone_failure, h323_alg_port_pair_alloc_from_consecutive, h323_alg_port_pair_alloc_from_partition, h323_alg_port_pair_alloc_from_pool_port_batch, h323_alg_port_pair_alloc_from_quota_consecutive, h323_alg_port_pair_alloc_from_quota_partition, h323_alg_port_pair_alloc_from_quota_partition_error, h323_alg_port_pair_alloc_from_quota_pool_port_batch, port_batch_quota_extension_alloc_failure, port_batch_free_quota_not_found, port_batch_free_port_not_found, port_batch_free_wrong_partition, radius_query_quota_ext_alloc_failure, radius_query_quota_ext_alloc_race_free, quota_extension_added, quota_extension_removed, quota_extension_remove_not_found, ha_sync_port_batch_sent, ha_sync_port_batch_rcv, ha_send_port_batch_not_found, ha_rcv_port_not_in_port_batch, bad_port_to_free, consecutive_port_free, partition_port_free, pool_port_batch_port_free, port_allocated_from_quota_consecutive, port_allocated_from_quota_partition, port_allocated_from_quota_pool_port_batch, port_freed_from_quota_consecutive, port_freed_from_quota_partition, port_freed_from_quota_pool_port_batch, port_batch_allocated_to_quota, port_batch_freed_from_quota, specific_port_allocated_from_quota_consecutive, specific_port_allocated_from_quota_partition, specific_port_allocated_from_quota_pool_port_batch, port_batch_container_alloc_failure, port_batch_container_alloc_race_free, port_overloading_destination_conflict, port_overloading_out_of_memory, port_overloading_assign_user, port_overloading_assign_user_port_batch, port_overloading_inc, port_overloading_dec_on_conflict, port_overloading_dec_on_free, port_overloading_free_port_on_conflict, port_overloading_free_port_batch_on_conflict, port_overloading_inc_overflow, port_overloading_attempt_consecutive_ports, port_overloading_attempt_same_partition, port_overloading_attempt_diff_partition, port_overloading_attempt_failed, port_overloading_conn_free_retry_lookup, port_overloading_conn_free_not_found, port_overloading_smp_mem_allocated, port_overloading_smp_mem_freed, port_overloading_smp_inserted, port_overloading_smp_inserted_tcp_shadow, port_overloading_smp_inserted_udp_shadow, port_overloading_smp_free_tcp_shadow, port_overloading_smp_free_udp_shadow, port_overloading_smp_put_in_del_q_from_conn, port_overloading_smp_free_dec_failure, port_overloading_smp_free_no_quota, port_overloading_smp_free_port, port_overloading_smp_free_port_from_quota, port_overloading_for_no_ports, port_overloading_for_no_ports_success, port_overloading_for_quota_exceeded, port_overloading_for_quota_exceeded_success, port_overloading_for_quota_exceeded_race, port_overloading_for_quota_exceeded_race_success, port_overloading_for_new_user, port_overloading_for_new_user_success, ha_port_overloading_attempt_failed, ha_port_overloading_for_no_ports, ha_port_overloading_for_no_ports_success, ha_port_overloading_for_quota_exceeded, ha_port_overloading_for_quota_exceeded_success, ha_port_overloading_for_quota_exceeded_race, ha_port_overloading_for_quota_exceeded_race_success, ha_port_overloading_for_new_user, ha_port_overloading_for_new_user_success

counters3

Description 'nat_pool_force_delete': NAT Pool Force Delete; 'quota_ext_too_many': Quota Ext Too Many; 'nat_pool_not_found_on_free': NAT Pool Not Found on Free; 'standby_class_list_drop': Standby Class-List Drop; 'dst_prefix_mismatch': Destination Prefix Mismatch Drop; 'fullcone_inbound_nat_pool_mismatch': Full-cone Session NAT Pool Mismatch; '6rd_no_match_domain_drop': Sixrd Packets Domain Not Found; 'ha_prefix_not_found': HA No Matching Prefix Found; 'nat_pool_attempt_adding_multiple_free_batches': Attempt Adding Multiple Free Batches to Quota; 'nat_pool_add_free_batch_failed': Add Batch to Quota Failed; 'mgcp_alg_no_quota': MGCP ALG User-Quota Not Found; 'mgcp_alg_quota_inc_failure': MGCP ALG User-Quota Exceeded; 'mgcp_alg_no_nat_ip': MGCP ALG Unknown NAT IP; 'mgcp_alg_reuse_fullcone': MGCP ALG Reuse Full-cone Session; 'mgcp_alg_fullcone_mismatch': MGCP ALG Full-cone Session Mismatch; 'mgcp_alg_alloc_port_failure': MGCP ALG Alloc NAT Port Failure; 'mgcp_alg_create_fullcone_failure': MGCP ALG Create Full-cone Session Failure; 'mgcp_alg_release_port_failure': MGCP ALG Release NAT Port Failure; 'mgcp_alg_single_rtp_fullcone': MGCP ALG Single RTP Full-cone Found; 'mgcp_alg_single_rtcp_fullcone': MGCP ALG Single RTCP Full-cone Found; 'mgcp_alg_rtcp_fullcone_mismatch': MGCP ALG RTCP Full-cone NAT Port Mismatch; 'mgcp_alg_reuse_rtp_rtcp_fullcone': MGCP ALG Reuse RTP/RTCP Full-cone Session; 'mgcp_alg_alloc_rtp_rtcp_port_failure': MGCP ALG Alloc RTP/RTCP NAT Ports Failure; 'mgcp_alg_alloc_single_port_failure': MGCP ALG Alloc Single RTP or RTCP NAT Port Failure; 'mgcp_alg_create_single_fullcone_failure': MGCP ALG Create Single RTP or RTCP Full-cone Session Failure; 'mgcp_alg_create_rtp_fullcone_failure': MGCP ALG Create RTP Full-cone Session Failure; 'mgcp_alg_create_rtcp_fullcone_failure': MGCP ALG Create RTCP Full-cone Session Failure; 'mgcp_alg_port_pair_alloc_from_consecutive': MGCP ALG Port Pair Allocated From Consecutive; 'mgcp_alg_port_pair_alloc_from_partition': MGCP ALG Port Pair Allocated From Partition; 'mgcp_alg_port_pair_alloc_from_pool_port_batch': MGCP ALG Port Pair Allocated From Pool Port Batch; 'mgcp_alg_port_pair_alloc_from_quota_consecutive': MGCP ALG Port Pair Allocated From Quota Consecutive; 'mgcp_alg_port_pair_alloc_from_quota_partition': MGCP ALG Port Pair Allocated From Quota Partition; 'mgcp_alg_port_pair_alloc_from_quota_partition_error': MGCP ALG Port Pair Allocated From Quota Partition Error; 'mgcp_alg_port_pair_alloc_from_quota_pool_port_batch': MGCP ALG Port Pair Allocated From Quota Pool Port Batch; 'user_quota_unusable_drop': User-Quota Unusable Drop; 'user_quota_unusable': User-Quota Marked Unusable; 'nat_pool_same_port_batch_udp_failed': Simultaneous Batch Allocation UDP Port Allocation Failed; 'adc_port_allocation_failed': ADC Port Allocation Failed; 'adc_port_allocation_ineligible': ADC Port Allocation Not Allowed; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP;

'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000; 'prefix_quota_mismatch': Prefix Quota NAT IP Mismatch;

Type: string

Supported Values: nat_pool_force_delete, quota_ext_too_many, nat_pool_not_found_on_free, standby_class_list_drop, dst_prefix_mismatch, fullcone_inbound_nat_pool_mismatch, 6rd_no_match_domain_drop, ha_prefix_not_found, nat_pool_attempt_adding_multiple_free_batches, nat_pool_add_free_batch_failed, mgcp_alg_no_quota, mgcp_alg_quota_inc_failure, mgcp_alg_no_nat_ip, mgcp_alg_reuse_fullcone, mgcp_alg_fullcone_mismatch, mgcp_alg_alloc_port_failure, mgcp_alg_create_fullcone_failure, mgcp_alg_release_port_failure, mgcp_alg_single_rtp_fullcone, mgcp_alg_single_rtcp_fullcone, mgcp_alg_rtcp_fullcone_mismatch, mgcp_alg_reuse_rtp_rtcp_fullcone, mgcp_alg_alloc_rtp_rtcp_port_failure, mgcp_alg_alloc_single_port_failure, mgcp_alg_create_single_fullcone_failure, mgcp_alg_create_rtp_fullcone_failure, mgcp_alg_create_rtcp_fullcone_failure, mgcp_alg_port_pair_alloc_from_consecutive, mgcp_alg_port_pair_alloc_from_partition, mgcp_alg_port_pair_alloc_from_pool_port_batch, mgcp_alg_port_pair_alloc_from_quota_consecutive, mgcp_alg_port_pair_alloc_from_quota_partition, mgcp_alg_port_pair_alloc_from_quota_partition_error, mgcp_alg_port_pair_alloc_from_quota_pool_port_batch, user_quota_unusable_drop, user_quota_unusable, nat_pool_same_port_batch_udp_failed, adc_port_allocation_failed, adc_port_allocation_ineligible, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others,

rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4, prefix_quota_mismatch

tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *tcp_mss-clamp*

Type: Object

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *tcp_reset-on-error*

Type: Object

tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: 476))

Type: number

Range: 0-1420

Default: 476

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'none': No TCP MSS clamping; 'subtract': Specify the value to subtract from the TCP MSS (default: 20);

Type: string

Supported Values: fixed, none, subtract

Default: subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: 20)

Type: number

Range: 0-1420

Default: 20

mss-value

Description The max value allowed for the TCP MSS (default: not configured)

Type: number

Range: 0-1420

tcp_reset-on-error

Specification	
Type	*object*

outbound

Description 'disable': Disable send TCP reset on error;

Type: string

Supported Values: disable

icmp

Specification	
Type	*object*

send-on-port-unavailable

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered; 'disable': Disable ICMP port unavailable message (default);

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: disable

send-on-user-quota-exceeded

Description 'host-unreachable': Send ICMP destination host unreachable; 'admin-filtered': Send ICMP admin filtered (default); 'disable': Disable ICMP quota exceeded message;

Type: string

Supported Values: host-unreachable, admin-filtered, disable

Default: admin-filtered

stats data

	Counter	Size	Description
	rev_egress_pkt_size_range1	8	Reverse Egress Packet size between 0 and 200
	endpoint_indep_filter_match	8	Endpoint-Independent Filtering Matched
	hairpin	8	Hairpin Session Created
	fwd_ingress_packets_udp	8	Forward Ingress Packets UDP
	lid_pass_through	8	LSN LID Pass-through
	rev_egress_bytes_tcp	8	Reverse Egress Bytes TCP
	fwd_egress_bytes_others	8	Forward Egress Bytes OTHERS
	fwd_egress_bytes_udp	8	Forward Egress Bytes UDP
	ha_nat_pool_unusable	8	HA NAT Pool Unusable
	tcp_user_quota_exceeded	8	TCP User-Quota Exceeded
	rev_ingress_packets_udp	8	Reverse Ingress Packets UDP
	rev_egress_bytes_icmp	8	Reverse Egress Bytes ICMP
	ha_nat_pool_batch_type_mismatch	8	HA NAT Pool Batch Type Mismatch
	rev_ingress_packets_others	8	Reverse Ingress Packets OTHERS
	user_quota_unusable_drop	8	User-Quota Unusable Drop
	fwd_egress_packets_icmp	8	Forward Egress Packets ICMP
	full-cone_failure	8	Full-cone Session Creation Failed
	fwd_ingress_pkt_size_range2	8	Forward Ingress Packet size between 201 and 800
	fwd_ingress_pkt_size_range3	8	Forward Ingress Packet size between 801 and 1550
	fwd_ingress_pkt_size_range1	8	Forward Ingress Packet size between 0 and 200
	data_sesn_user_quota_exceeded	8	Data Session User-Quota Exceeded
	lid_drop	8	LSN LID Drop
	fwd_ingress_pkt_size_range4	8	Forward Ingress Packet size between 1551 and 9000
	fwd_egress_bytes_tcp	8	Forward Egress Bytes TCP
	port_overloading_smp_free_tcp	8	TCP Port Overloading Session Freed
	rev_ingress_packets_tcp	8	Reverse Ingress Packets TCP
	tcp_fullcone_freed	8	TCP Full-cone Session Freed
	l3	8	Layer 4Forwarded Packets
	total_tcp_freed	8	Total TCP Ports Freed
	fwd_egress_packets_tcp	8	Forward Egress Packets TCP
	total_icmp_freed	8	Total ICMP Ports Freed
	tcp_fullcone_created	8	TCP Full-cone Session Created
	fwd_egress_packets_others	8	Forward Egress Packets OTHERS
	prefix_quota_mismatch	8	Prefix Quota NAT IP Mismatch
	udp_fullcone_created	8	UDP Full-cone Session Created
	icmp_user_quota_exceeded	8	ICMP User-Quota Exceeded
	total_tcp_allocated	8	Total TCP Ports Allocated
	fwd_egress_pkt_size_range4	8	Forward Egress Packet size between 1551 and 9000
	rev_egress_bytes_udp	8	Reverse Egress Bytes UDP
	user_quota_failure	8	User-Quota Creation Failed
	user_quota_created	8	User-Quota Created

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Table 2.7 – continued from previous page

	Counter	Size	Description
	rev_egress_packets_icmp	8	Reverse Egress Packets ICMP
	source_matches_prefix	8	Source Address Prefix Match Drop
	data_sesn_rate_user_quota_exceeded	8	Conn Rate User-Quota Exceeded
	full-cone_self_hairpinning_drop	8	Self-Hairpinning Drop
	new_user_resource_unavailable	8	New User NAT Resource Unavailable
	total_udp_allocated	8	Total UDP Ports Allocated
	data_session_created	8	Data Session Created
	rev_ingress_bytes_tcp	8	Reverse Ingress Bytes TCP
	fwd_ingress_bytes_others	8	Forward Ingress Bytes OTHERS
	rev_ingress_bytes_others	8	Reverse Ingress Bytes OTHERS
	rev_egress_packets_tcp	8	Reverse Egress Packets TCP
	fwd_ingress_bytes_tcp	8	Forward Ingress Bytes TCP
	nat_port_unavailable_icmp	8	ICMP NAT Port Unavailable
	extended_quota_matched	8	Extended User-Quota Matched
	port_overloading_smp_inserted_tcp	8	TCP Port Overloading Session Created
	fwd_egress_bytes_icmp	8	Forward Egress Bytes ICMP
	eif_limit_exceeded	8	Endpoint-Independent Filtering Inbound Limit Exceeded
	port_overloading_smp_inserted_udp	8	UDP Port Overloading Session Created
	user_quota_put_in_del_q	8	User-Quota Freed
	total_udp_freed	8	Total UDP Ports Freed
	fwd_egress_pkt_size_range3	8	Forward Egress Packet size between 801 and 1550
	fwd_egress_pkt_size_range2	8	Forward Egress Packet size between 201 and 800
	nat_port_unavailable_tcp	8	TCP NAT Port Unavailable
	total_tcp_overloaded	8	TCP Port Overloaded
	fwd_ingress_packets_tcp	8	Forward Ingress Packets TCP
	user_quota_unusable	8	User-Quota Marked Unusable
	rev_egress_packets_others	8	Reverse Egress Packets OTHERS
	no_radius_profile_match	8	No RADIUS Profile Match
	endpoint_indep_map_match	8	Endpoint-Independent Mapping Matched
	rev_ingress_pkt_size_range4	8	Reverse Ingress Packet size between 1551 and 9000
	rev_ingress_pkt_size_range2	8	Reverse Ingress Packet size between 201 and 800
	rev_ingress_pkt_size_range3	8	Reverse Ingress Packet size between 801 and 1550
	rev_ingress_pkt_size_range1	8	Reverse Ingress Packet size between 0 and 200
	total_icmp_allocated	8	Total ICMP Ports Allocated
	no_class_list_match	8	No Class-List Match
	inbound_filtered	8	Endpoint-Dependent Filtering Drop
	data_session_freed	8	Data Session Freed
	total_udp_overloaded	8	UDP Port Overloaded
	udp_fullcone_freed	8	UDP Full-cone Session Freed
	nat_pool_unusable	8	NAT Pool Unusable

continues on next page

Table 2.7 – continued from previous page

	Counter	Size	Description
	nat_port_unavailable_udp	8	UDP NAT Port Unavailable
	fwd_ingress_packets_others	8	Forward Ingress Packets OTHERS
	rev_ingress_bytes_udp	8	Reverse Ingress Bytes UDP
	rev_ingress_bytes_icmp	8	Reverse Ingress Bytes ICMP
	rev_egress_bytes_others	8	Reverse Egress Bytes OTHERS
	port_overloading_session_free_udp	8	UDP Port Overloading Session Freed
	udp_user_quota_exceeded	8	UDP User-Quota Exceeded
	fwd_ingress_bytes_icmp	8	Forward Ingress Bytes ICMP
	fwd_egress_pkt_size_range1	8	Forward Egress Packet size between 0 and 200
	rev_ingress_packets_icmp	8	Reverse Ingress Packets ICMP
	rev_egress_packets_udp	8	Reverse Egress Packets UDP
	fwd_ingress_bytes_udp	8	Forward Ingress Bytes UDP
	fwd_egress_packets_udp	8	Forward Egress Packets UDP
	extended_quota_exceeded	8	Extended User-Quota Exceeded
	rev_egress_pkt_size_range4	8	Reverse Egress Packet size between 1551 and 9000
	rev_egress_pkt_size_range3	8	Reverse Egress Packet size between 801 and 1550
	fwd_ingress_packets_icmp	8	Forward Ingress Packets ICMP
	rev_egress_pkt_size_range2	8	Reverse Egress Packet size between 201 and 800

2.19.166 cgnv6 nat64 prefix

Configure NAT64 Prefix

prefix Specification

Type	*Collection*
Object Key(s)	*prefix-val*
Collection Name	*prefix-list*
Collection URI	/axapi/v3/cgnv6/nat64/prefix
Element Name	prefix
Element URI	/axapi/v3/cgnv6/nat64/prefix/{prefix-val}
Element Attributes	prefix_attributes
Schema	`prefix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/prefix

prefix attributes

```
POST /axapi/v3/cgnv6/nat64/prefix/
Payload:
```

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```
{
    "prefix": {
        "prefix-val": "2003::1/64",
        "vrid": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/nat64/prefix

prefix attributes

Get Object

GET

/axapi/v3/cgnv6/nat64/prefix/{prefix-val}

prefix attributes

```
GET /axapi/v3/cgnv6/nat64/prefix/2003::1%2f64
Reponse:
{
    "prefix": {
        "prefix-val": "2003::1/64",
        "vrid": 1,
        "uuid": "2dc5b4fe-6028-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat64/prefix/2003%3A%3A1%2F64"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/nat64/prefix

prefix-list

Modify Object

POST

/axapi/v3/cgnv6/nat64/prefix/{prefix-val}

prefix attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/prefix/{prefix-val}

prefix attributes

```
PUT /axapi/v3/cgnv6/nat64/prefix/2003::1%2f64
Payload:
{
```

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```
    "prefix": {
        "prefix-val": "2003::1/64",
        "vrid": 2
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/nat64/prefix

prefix-list

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/prefix/{prefix-val}

prefix attributes

```
DELETE /axapi/v3/cgnv6/nat64/prefix/2003::1%2f64
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

prefix-list

prefix-list is **JSON List** of *prefix attributes*

prefix-list : [

{ *prefix attributes* },

{ *prefix attributes* },

...

]

prefix attributes

class-list

Description Class-list to match for NAT64

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

prefix-val

Description NAT64 Prefix

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.167 cgnv6 nat64 user-quota-session

LSN Per User Statistics

user-quota-session Specification

Type	*Configuration Resource*
Element Name	user-quota-session
Element URI	/axapi/v3/cgnv6/nat64/user-quota-session
Element Attributes	user-quota-session_attributes
Operational Data URI	/axapi/v3/cgnv6/nat64/user-quota-session/oper
Schema	`user-quota-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat64/user-quota-session

user-quota-session attributes

Get Object

GET

/axapi/v3/cgnv6/nat64/user-quota-session

user-quota-session attributes

Modify Object

POST

/axapi/v3/cgnv6/nat64/user-quota-session

user-quota-session attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat64/user-quota-session

user-quota-session attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat64/user-quota-session

user-quota-session attributes

user-quota-session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top-by-tcp-usage	flag	top-by-tcp-usage
	prefix-filter	ipv6-address-plen	prefix-filter
	pool-shared	flag	pool-shared
	all-partitions	flag	all-partitions
	top-by-icmp-usage	flag	top-by-icmp-usage
	top-by-udp-usage	flag	top-by-udp-usage
	top-sort-by-cli	flag	top-sort-by-cli
	top-count	number	top-count
	shared-partition	flag	shared-partition
	nat-addr	ipv4-address	nat-addr
	inside-addr-v6	ipv6-address	inside-addr-v6
	partition-name	string	partition-name
	top-by-all-usage	flag	top-by-all-usage
	session-list		session-list
	session-count	number	session-count
	display-debug	enum	Output contains one of the following values: - true
	nat-pool-name	string	nat-pool-name

2.19.168 cgnv6 nat exclude-port

Exclude port from CGNv6 NAT pool (default: disabled)

exclude-port Specification

Type	*Intermediate Resource*
Element Name	exclude-port
Element URI	/axapi/v3/cgnv6/nat/exclude-port
Element Attributes	exclude-port_attributes
Schema	`exclude-port schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat/exclude-port

exclude-port_attributes

exclude-port attributes

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/exclude-port/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/exclude-port/udp*

udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.169 cgnv6 nat exclude-port tcp

Set behavior for TCP

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/cgnv6/nat/exclude-port/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/exclude-port/tcp

tcp attributes

Get Object

GET

/axapi/v3/cgnv6/nat/exclude-port/tcp

tcp attributes

Modify Object

POST

/axapi/v3/cgnv6/nat/exclude-port/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/exclude-port/tcp

tcp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat/exclude-port/tcp

tcp attributes

tcp attributes

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.170 cgnv6 nat exclude-port udp

Set behavior for UDP

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/cgnv6/nat/exclude-port/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/exclude-port/udp

udp attributes

Get Object

GET

/axapi/v3/cgnv6/nat/exclude-port/udp

udp attributes

Modify Object

POST

/axapi/v3/cgnv6/nat/exclude-port/udp

udp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/exclude-port/udp

udp attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat/exclude-port/udp

udp attributes

udp attributes

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.171 cgnv6 nat histogram

Configure CGNv6 NAT Histogram

histogram Specification

Type	*Configuration Resource*
Element Name	histogram
Element URI	/axapi/v3/cgnv6/nat/histogram
Element Attributes	histogram_attributes
Schema	`histogram schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/histogram

histogram attributes

Get Object

GET

/axapi/v3/cgnv6/nat/histogram

histogram attributes

Modify Object

POST

/axapi/v3/cgnv6/nat/histogram

histogram attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/histogram

histogram attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat/histogram

histogram attributes

histogram attributes

bin-count

Description Number of bins in the histogram (default: 50)

Type: number

Range: 10-100

Default: 50

bin-skew

Description Percentage of bins that represent the upper bound (default: 75)

Type: number

Range: 50-80

Default: 75

data-skew

Description Percentage of data that represents the upper bound (default: 25)

Type: number

Range: 5-50

Default: 25

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.172 cgnv6 nat icmp

Configure NAT ICMP settings

icmp Specification

Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/cgnv6/nat/icmp
Element Attributes	icmp_attributes
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/icmp

icmp attributes

```
POST /axapi/v3/cgnv6/nat/icmp
Payload:
{
    "icmp": {
        "always-source-nat-errors": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat/icmp

icmp attributes

```
GET /axapi/v3/cgnv6/nat/icmp
Reponse:
{
    "icmp": {
        "always-source-nat-errors": 1,
        "respond-to-ping": 0,
        "uuid": "71d5f834-6028-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/icmp

icmp attributes

```
PUT /axapi/v3/cgnv6/nat/icmp
Payload:
{
    "icmp": {
        "always-source-nat-errors": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat/icmp

icmp attributes

```
DELETE /axapi/v3/cgnv6/nat/icmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp attributes

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.173 cgnv6 nat icmpv6

ICMPv6 configuration for IPv6 NAT

icmpv6 Specification

Type	*Configuration Resource*
Element Name	icmpv6
Element URI	/axapi/v3/cgnv6/nat/icmpv6
Element Attributes	icmpv6_attributes
Schema	`icmpv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/icmpv6

icmpv6 attributes

```
POST /axapi/v3/cgnv6/nat/icmpv6
Payload:
{
    "icmpv6": {
```

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```
        "respond-to-ping": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/nat/icmpv6

icmpv6 attributes

```
GET /axapi/v3/cgnv6/nat/icmpv6
Reponse:
{
    "icmpv6": {
        "respond-to-ping": 1,
        "uuid": "829caff0-6028-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat/icmpv6"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/nat/icmpv6

icmpv6 attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/icmpv6

icmpv6 attributes

```
PUT /axapi/v3/cgnv6/nat/icmpv6
Payload:
{
    "icmpv6": {
        "respond-to-ping": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/nat/icmpv6

icmpv6 attributes

```
DELETE /axapi/v3/cgnv6/nat/icmpv6
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

icmpv6 attributes

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.174 cgnv6 nat inside

Inside configuration for NAT

inside Specification

Type	*Intermediate Resource*
Element Name	inside
Element URI	/axapi/v3/cgnv6/nat/inside
Element Attributes	inside_attributes
Schema	`inside schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat/inside

inside_attributes

inside attributes

source

Description: source is a **JSON Block**. Please see below for *source*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside/source*

source

Specification	
Type	*object*

static-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}*

statistics

Description: statistics is a **JSON Block**. Please see below for *source_statistics*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside/source/statistics*

source_statistics

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source_static-list

Specification	
Type	*list*
Block object keys	

nat-address

Description NAT Address

Type: string

Format: ipv4-address

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.175 cgnv6 nat inside source

Source

source Specification

Type	*Intermediate Resource*
Element Name	source
Element URI	/axapi/v3/cgnv6/nat/inside/source
Element Attributes	source_attributes
Schema	`source schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nat/inside/source

source_attributes

source attributes

static-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}*

statistics

Description: statistics is a **JSON Block**. Please see below for *statistics*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/inside/source/statistics*

statistics

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-list

Specification	
Type	*list*
Block object keys	

nat-address

Description NAT Address

Type: string

Format: ipv4-address

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.176 cgnv6 nat inside source static

Static Address Translations

static Specification

Type	*Collection*
Object Key(s)	*src-address, partition*
Collection Name	*static-list*
Collection URI	/axapi/v3/cgnv6/nat/inside/source/static
Element Name	static
Element URI	/axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}
Element Attributes	static_attributes
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/inside/source/static

static attributes

```
POST /axapi/v3/cgnv6/nat/inside/source/static/
Payload:
{
    "static": {
        "nat-address": "3.3.3.3",
        "src-address": "5.5.5.5",
        "vrid": 1,
        "partition": "a"
```

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```
    }
}
```

Create List

POST

/axapi/v3/cgnv6/nat/inside/source/static

static attributes

Get Object

GET

/axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}

static attributes

```
GET /axapi/v3/cgnv6/nat/inside/source/static/5.5.5.5+a
Reponse:
{
    "static": {
        "src-address": "5.5.5.5",
        "partition": "a",
        "nat-address": "3.3.3.3",
        "vrid": 1,
        "uuid": "acdeff52-6028-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat/inside/source/static/5.5.5.5+a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/nat/inside/source/static

static-list

Modify Object

POST

/axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}

static attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}

static attributes

```
PUT /axapi/v3/cgnv6/nat/inside/source/static/5.5.5.5+a
Payload:
{
    "static": {
        "nat-address": "3.3.3.3",
```

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```
        "src-address": "5.5.5.5",
        "vrid": 2,
        "partition": "a"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/nat/inside/source/static

static-list

Delete Object

DELETE

/axapi/v3/cgnv6/nat/inside/source/static/{src-address}+{partition}

static attributes

```
DELETE /axapi/v3/cgnv6/nat/inside/source/static/5.5.5.5+a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

nat-address

Description NAT Address

Type: string

Format: ipv4-address

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.177 cgnv6 nat inside source statistics

Static Address Translation Statistics

statistics Specification

Type	*Configuration Resource*
Element Name	statistics
Element URI	/axapi/v3/cgnv6/nat/inside/source/statistics
Element Attributes	statistics_attributes
Operational Data URI	/axapi/v3/cgnv6/nat/inside/source/statistics/oper
Schema	`statistics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/inside/source/statistics

statistics attributes

Get Object

GET

/axapi/v3/cgnv6/nat/inside/source/statistics

statistics attributes

Modify Object

POST

/axapi/v3/cgnv6/nat/inside/source/statistics

statistics attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/inside/source/statistics

statistics attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat/inside/source/statistics

statistics attributes

statistics attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	total	number	total
	static-list		static-list

2.19.178 cgnv6 nat pool

Configure CGNv6 NAT pool

pool Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*pool-list*
Collection URI	/axapi/v3/cgnv6/nat/pool
Element Name	pool
Element URI	/axapi/v3/cgnv6/nat/pool/{pool-name}
Element Attributes	pool_attributes
Statistics Data URI	/axapi/v3/cgnv6/nat/pool/{pool-name}/stats
Operational Data URI	/axapi/v3/cgnv6/nat/pool/{pool-name}/oper
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/pool

pool attributes

```
POST /axapi/v3/cgnv6/nat/pool/
Payload:
{
    "pool": {
        "pool-name": "a",
        "netmask": "/24",
        "start-address": "3.3.3.3",
        "vrid": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/nat/pool

pool attributes

Get Object

GET

/axapi/v3/cgnv6/nat/pool/{pool-name}

pool attributes

```
GET /axapi/v3/cgnv6/nat/pool/a
Reponse:
{
    "pool": {
        "pool-name": "a",
        "start-address": "3.3.3.3",
        "netmask": "/24",
        "vrid": 1,
        "shared": 0,
        "uuid": "d3ab865a-6028-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat/pool/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/nat/pool

pool-list

Modify Object

POST

/axapi/v3/cgnv6/nat/pool/{pool-name}

pool attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/pool/{pool-name}

pool attributes

```
PUT /axapi/v3/cgnv6/nat/pool/a
Payload:
{
    "pool": {
        "pool-name": "a",
        "exclude-ip": [
            {
                "exclude-ip-start": "3.3.3.4"
            }
        ],
        "netmask": "/24",
        "start-address": "3.3.3.0",
        "end-address": "3.3.3.255"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/nat/pool

pool-list

Delete Object

DELETE

/axapi/v3/cgnv6/nat/pool/{pool-name}

pool attributes

```
DELETE /axapi/v3/cgnv6/nat/pool/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

...

]

pool attributes

all

Description Share with all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

exclude-ip

Type: List

group

Description Share with a partition group (Partition Group Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

max-users-per-ip

Description Number of users that can be assigned to a NAT IP

Type: number

Range: 1-64512

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

partition

Description Share with a single partition (Partition Name)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

per-batch-port-usage-warning-threshold

Description Configure warning log threshold for per batch port usage (default: disabled) (Number of ports)

Type: number

Range: 32-4096

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-batch-v2-size

Description '64': Allocate 64 ports at a time; '128': Allocate 128 ports at a time; '256': Allocate 256 ports at a time; '512': Allocate 512 ports at a time; '1024': Allocate 1024 ports at a time; '2048': Allocate 2048 ports at a time; '4096': Allocate 4096 ports at a time;

Type: string

Supported Values: 64, 128, 256, 512, 1024, 2048, 4096

shared

Description Share this pool with other partitions (default: not shared)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

simultaneous-batch-allocation

Description Allocate same TCP and UDP batches at once

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

tcp-time-wait-interval

Description Minutes before TCP NAT ports can be reused

Type: number

Range: 0-10

usable-nat-ports

Description Configure usable NAT ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

usable-nat-ports-end

Description End Port of Usable NAT Ports

Type: number

Range: 1024-65535

usable-nat-ports-start

Description Start Port of Usable NAT Ports (needs to be even)

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

exclude-ip

Specification	
Type	*list*
Block object keys	

exclude-ip-end

Description Address range end

Type: string

Format: ipv4-address

exclude-ip-start

Description Single IP address or IP address range start

Type: string

Format: ipv4-address

stats data

	Counter	Size	Description
	udp-hit-full	8	UDP Hit Full
	ip-free	8	IP Free
	ip-used	8	IP Used
	tcp	8	TCP
	udp-rsvd	8	UDP Reseverved
	tcp-port-overload-create	8	TCP Port Overloading Session Created
	icmp-freed	8	ICMP Freed
	icmp-hit-full	8	ICMP Hit Full
	icmp-total	8	ICMP Total
	tcp-peak	8	TCP Peak
	icmp-rsvd	8	ICMP Reserved
	udp-port-overloaded	8	UDP Port Overloaded
	udp-freed	8	UDP Freed
	tcp-freed	8	TCP Freed
	udp	8	UDP
	users	8	Users
	tcp-port-overloaded	8	TCP Port Overloaded
	tcp-hit-full	8	TCP Hit Full
	tcp-rsvd	8	TCP Reseverved
	udp-port-overload-create	8	UDP Port Overloading Session Created
	icmp	8	ICMP
	udp-peak	8	UDP Peak
	udp-total	8	UDP Total
	icmp-peak	8	ICMP Peak
	ip-total	8	IP Total
	tcp-port-overload-free	8	TCP Port Overloading Session Freed
	tcp-total	8	TCP total
	udp-port-overload-free	8	UDP Port Overloading Session Freed

operational data

	Counter	Size	Description
	nat-ip-list		nat-ip-list

2.19.179 cgnv6 nat pool-group

Configure CGNv6 NAT pool group

pool-group Specification

Type	*Collection*
Object Key(s)	*pool-group-name*
Collection Name	*pool-group-list*
Collection URI	/axapi/v3/cgnv6/nat/pool-group
Element Name	pool-group
Element URI	/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}
Element Attributes	pool-group_attributes
Schema	`pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/pool-group

pool-group attributes

```
POST /axapi/v3/cgnv6/nat/pool-group/
Payload:
{
    "pool-group": {
        "pool-group-name": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/nat/pool-group

pool-group attributes

Get Object

GET

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
GET /axapi/v3/cgnv6/nat/pool-group/a
Reponse:
{
    "pool-group": {
        "pool-group-name": "a",
        "uuid": "1d067f30-6029-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat/pool-group/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/nat/pool-group

pool-group-list

Modify Object

POST

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}

pool-group attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
PUT /axapi/v3/cgnv6/nat/pool-group/a
Payload:
{
    "pool-group": {
        "pool-group-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/nat/pool-group

pool-group-list

Delete Object

DELETE

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
DELETE /axapi/v3/cgnv6/nat/pool-group/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "status": "OK"
    }
}
```

pool-group-list

pool-group-list is **JSON List** of *pool-group attributes*

pool-group-list : [

{ *pool-group attributes* },

{ *pool-group attributes* },

...

]

pool-group attributes

member-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid

Type: number

Range: 1-31

member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify CGNv6 NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.180 cgnv6 nat pool-group member

Add a CGNv6 NAT pool to this pool-group

member Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*member-list*
Collection URI	/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member
Element Name	member
Element URI	/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member/{pool-name}
Element Attributes	member_attributes
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member

member attributes

Create List

POST

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member

member attributes

Get Object

GET

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Get List

GET

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member

member-list

Modify Object

POST

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace List

PUT

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member

member-list

Delete Object

DELETE

/axapi/v3/cgnv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

pool-name

Description Specify CGNv6 NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.181 cgnv6 nat range-list

IP Source NAT Static range list

range-list Specification

Type	*Collection*
Object Key(s)	*name, partition*
Collection Name	*range-list-list*
Collection URI	/axapi/v3/cgnv6/nat/range-list
Element Name	range-list
Element URI	/axapi/v3/cgnv6/nat/range-list/{name}+{partition}
Element Attributes	range-list_attributes
Schema	`range-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/range-list

range-list attributes

```
POST /axapi/v3/cgnv6/nat/range-list/
Payload:
{
    "range-list": {
        "global-netmaskv4": "255.255.0.0",
        "partition": "a",
        "local-netmaskv4": "255.255.0.0",
        "local-start-ipv4-addr": "3.3.3.3",
        "global-start-ipv4-addr": "4.4.4.4",
        "v4-count": 1,
        "name": "a",
        "v4-vrid": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/nat/range-list

range-list attributes

Get Object

GET

/axapi/v3/cgnv6/nat/range-list/{name}+{partition}

range-list attributes

```
GET /axapi/v3/cgnv6/nat/range-list/a+a
Reponse:
{
    "range-list": {
        "name": "a",
        "local-start-ipv4-addr": "3.3.3.3",
        "local-netmaskv4": "255.255.0.0",
        "partition": "a",
        "global-start-ipv4-addr": "4.4.4.4",
        "global-netmaskv4": "255.255.0.0",
        "v4-count": 1,
        "v4-vrid": 1,
        "uuid": "42e7c4a2-6029-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/nat/range-list/a+a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/nat/range-list

range-list-list

Modify Object

POST

/axapi/v3/cgnv6/nat/range-list/{name}+{partition}

range-list attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/range-list/{name}+{partition}

range-list attributes

```
PUT /axapi/v3/cgnv6/nat/range-list/a+a
Payload:
{
    "range-list": {
        "global-netmaskv4": "255.255.0.0",
        "partition": "a",
        "local-netmaskv4": "255.255.0.0",
        "local-start-ipv4-addr": "3.3.3.3",
        "global-start-ipv4-addr": "4.4.4.4",
        "v4-count": 1,
        "name": "a",
        "v4-vrid": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/nat/range-list

range-list-list

Delete Object

DELETE

/axapi/v3/cgnv6/nat/range-list/{name}+{partition}

range-list attributes

```
DELETE /axapi/v3/cgnv6/nat/range-list/a+a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

range-list-list

range-list-list is **JSON List** of *range-list attributes*

range-list-list : [

{ *range-list attributes* },

{ *range-list attributes* },

...

]

range-list attributes

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

name

Description Name for this Static List

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.182 cgnv6 nat shared-pool

shared-pool Specification

Type	*Configuration Resource*
Element Name	shared-pool
Element URI	/axapi/v3/cgnv6/nat/shared-pool
Element Attributes	shared-pool_attributes
Operational Data URI	/axapi/v3/cgnv6/nat/shared-pool/oper
Schema	`shared-pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/shared-pool

shared-pool attributes

Get Object

GET

/axapi/v3/cgnv6/nat/shared-pool

shared-pool attributes

Modify Object

POST

/axapi/v3/cgnv6/nat/shared-pool

shared-pool attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/shared-pool

shared-pool attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat/shared-pool

shared-pool attributes

shared-pool attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-pool-list		shared-pool-list

2.19.183 cgnv6 nat shared-pool-group

shared-pool-group Specification

Type	*Configuration Resource*
Element Name	shared-pool-group
Element URI	/axapi/v3/cgnv6/nat/shared-pool-group
Element Attributes	shared-pool-group_attributes
Operational Data URI	/axapi/v3/cgnv6/nat/shared-pool-group/oper
Schema	`shared-pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/shared-pool-group

shared-pool-group attributes

Get Object

GET

/axapi/v3/cgnv6/nat/shared-pool-group

shared-pool-group attributes

Modify Object

POST

/axapi/v3/cgnv6/nat/shared-pool-group

shared-pool-group attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/shared-pool-group

shared-pool-group attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat/shared-pool-group

shared-pool-group attributes

shared-pool-group attributes

members

Description: members is a **JSON Block**. Please see below for *members*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nat/shared-pool-group/members*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

members

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-pool-group-list		shared-pool-group-list

2.19.184 cgnv6 nat shared-pool-group members

members Specification

Type	*Configuration Resource*
Element Name	members
Element URI	/axapi/v3/cgnv6/nat/shared-pool-group/members
Element Attributes	members_attributes
Operational Data URI	/axapi/v3/cgnv6/nat/shared-pool-group/members/oper
Schema	`members schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nat/shared-pool-group/members

members attributes

Get Object

GET

/axapi/v3/cgnv6/nat/shared-pool-group/members

members attributes

Modify Object

POST

/axapi/v3/cgnv6/nat/shared-pool-group/members

members attributes

Replace Object

PUT

/axapi/v3/cgnv6/nat/shared-pool-group/members

members attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nat/shared-pool-group/members

members attributes

members attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	member-list		member-list
	pool-group-name	string	pool-group-name

2.19.185 cgnv6 nptv6

IPv6-to-IPv6 network prefix translation

nptv6 Specification

Type	*Intermediate Resource*
Element Name	nptv6
Element URI	/axapi/v3/cgnv6/nptv6
Element Attributes	nptv6_attributes
Schema	`nptv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/nptv6

nptv6_attributes

nptv6 attributes

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Refernce Object: */axapi/v3/cgnv6/nptv6/common*

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/nptv6/domain/{name}*

domain-list

Specification	
Type	*list*
Block object keys	

inside-prefix

Description Configure inside network prefix (Inside IPv6 network prefix)

Type: string

Format: ipv6-address-plen

name

Description Name of NPTv6 domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

outside-prefix

Description Configure outside network prefix (Outside IPv6 network prefix)

Type: string

Format: ipv6-address-plen

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound-packets': Outbound Packets; 'inbound-packets': Inbound Packets; 'hairpin-packets': Hairpin Packets; 'address-not-valid-for-translation': Address Not Valid For Translation; 'inbound-packets-no-map': Inbound Packets No Map; 'packets-dest-unreachable': Packets Destination Unreachable;

Type: string

Supported Values: all, outbound-packets, inbound-packets, hairpin-packets, address-not-valid-for-translation, inbound-packets-no-map, packets-dest-unreachable

common

Specification	
Type	*object*

send-icmpv6-on-error

Description Send ICMPv6 when error discovered (Default)

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.186 cgnv6 nptv6 common

NPTv6 common settings

common Specification

Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/cgnv6/nptv6/common
Element Attributes	common_attributes
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nptv6/common

common attributes

Get Object

GET

/axapi/v3/cgnv6/nptv6/common

common attributes

Modify Object

POST

/axapi/v3/cgnv6/nptv6/common

common attributes

Replace Object

PUT

/axapi/v3/cgnv6/nptv6/common

common attributes

Delete Object

DELETE

/axapi/v3/cgnv6/nptv6/common

common attributes

common attributes

send-icmpv6-on-error

Description Send ICMPv6 when error discovered (Default)

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.187 cgnv6 nptv6 domain

Configure NPTv6 translation domain

domain Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*domain-list*
Collection URI	/axapi/v3/cgnv6/nptv6/domain
Element Name	domain
Element URI	/axapi/v3/cgnv6/nptv6/domain/{name}
Element Attributes	domain_attributes
Statistics Data URI	/axapi/v3/cgnv6/nptv6/domain/{name}/stats
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/nptv6/domain

domain attributes

Create List

POST

/axapi/v3/cgnv6/nptv6/domain

domain attributes

Get Object

GET

/axapi/v3/cgnv6/nptv6/domain/{name}

domain attributes

Get List

GET

/axapi/v3/cgnv6/nptv6/domain

domain-list

Modify Object

POST

/axapi/v3/cgnv6/nptv6/domain/{name}

domain attributes

Replace Object

PUT

/axapi/v3/cgnv6/nptv6/domain/{name}

domain attributes

Replace List

PUT

/axapi/v3/cgnv6/nptv6/domain

domain-list

Delete Object

DELETE

/axapi/v3/cgnv6/nptv6/domain/{name}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

inside-prefix

Description Configure inside network prefix (Inside IPv6 network prefix)

Type: string

Format: ipv6-address-plen

name

Description Name of NPTv6 domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

outside-prefix

Description Configure outside network prefix (Outside IPv6 network prefix)

Type: string

Format: ipv6-address-plen

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound-packets': Outbound Packets; 'inbound-packets': Inbound Packets; 'hairpin-packets': Hairpin Packets; 'address-not-valid-for-translation': Address Not Valid For Translation; 'inbound-packets-no-map': Inbound Packets No Map; 'packets-dest-unreachable': Packets Destination Unreachable;

Type: string

Supported Values: all, outbound-packets, inbound-packets, hairpin-packets, address-not-valid-for-translation, inbound-packets-no-map, packets-dest-unreachable

stats data

	Counter	Size	Description
	inbound-packets	8	Inbound Packets
	hairpin-packets	8	Hairpin Packets
	inbound-packets-no-map	8	Inbound Packets No Map
	outbound-packets	8	Outbound Packets
	address-not-valid-for-translation	8	Address Not Valid For Translation
	packets-dest-unreachable	8	Packets Destination Unreachable

2.19.188 cgnv6 one-to-one

Set one-to-one NAT parameters

one-to-one Specification

Type	*Intermediate Resource*
Element Name	one-to-one
Element URI	/axapi/v3/cgnv6/one-to-one
Element Attributes	one-to-one_attributes
Schema	`one-to-one schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/one-to-one

one-to-one_attributes

one-to-one attributes

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/global*

mapping

Description: mapping is a **JSON Block**. Please see below for *mapping*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/mapping*

pool-group-list

Type: List

Refernce Object: */axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}*

pool-list

Type: List

Refernce Object: */axapi/v3/cgnv6/one-to-one/pool/{pool-name}*

shared-pool

Description: shared-pool is a **JSON Block**. Please see below for *shared-pool*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/shared-pool*

shared-pool-group

Description: shared-pool-group is a **JSON Block**. Please see below for *shared-pool-group*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/shared-pool-group*

shared-pool

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid

Type: number

Range: 1-31

pool-group-list_member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify CGNv6 one-to-one pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

mapping-timeout

Description Configure timeout for the one-to-one NAT mapping (Timeout in minutes (default: 10 minutes))

Type: number

Range: 0-180

Default: 10

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-map-allocated': Total One-to-One Address Mapping Allocated; 'total-map-freed': Total One-to-One Address Mapping Freed; 'map-alloc-failure': One-to-One Address Mapping Allocation Failure; 'map-dbl-free': Address Mapping Double Free; 'alloc-map-race': Mapping Exists When Allocating Address Mapping; 'map-not-found': Mapping to be Released Not Found; 'ha-map-mismatch': HA Standby Mapping Mismatch; 'ha-select-addr-failure': HA Standby Allocate Address Failure; 'ha-alloc-map-conflicts': HA Standby Allocate Mapping Conflicts;

Type: string

Supported Values: all, total-map-allocated, total-map-freed, map-alloc-failure, map-dbl-free, alloc-map-race, map-not-found, ha-map-mismatch, ha-select-addr-failure, ha-alloc-map-conflicts

mapping

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shared-pool-group

Specification	
Type	*object*

members

Description: members is a **JSON Block**. Please see below for *shared-pool-group_members*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/shared-pool-group/members*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shared-pool-group_members

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-list

Specification	
Type	*list*
Block object keys	

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

group

Description Share with a partition group (Partition Group Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

partition

Description Share with a single partition (Partition Name)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Share this pool with other partitions (default: not shared)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

2.19.189 cgnv6 one-to-one global

Set one-to-one NAT config parameters

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/one-to-one/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/one-to-one/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/one-to-one/global

global attributes

```
POST /axapi/v3/cgnv6/one-to-one/global
Payload:
{
    "global": {
        "mapping-timeout": 0
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/one-to-one/global

global attributes

```
GET /axapi/v3/cgnv6/one-to-one/global
Reponse:
{
    "global": {
        "mapping-timeout": 0,
        "uuid": "5abedfe4-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/one-to-one/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/one-to-one/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/one-to-one/global

global attributes

```
PUT /axapi/v3/cgnv6/one-to-one/global
Payload:
{
    "global": {
        "mapping-timeout": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/one-to-one/global

global attributes

```
DELETE /axapi/v3/cgnv6/one-to-one/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

mapping-timeout

Description Configure timeout for the one-to-one NAT mapping (Timeout in minutes (default: 10 minutes))

Type: number

Range: 0-180

Default: 10

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-map-allocated': Total One-to-One Address Mapping Allocated; 'total-map-freed': Total One-to-One Address Mapping Freed; 'map-alloc-failure': One-to-One Address Mapping Allocation Failure; 'map-dbl-free': Address Mapping Double Free; 'alloc-map-race': Mapping Exists When Allocating Address Mapping; 'map-not-found': Mapping to be Released Not Found; 'ha-map-mismatch': HA Standby Mapping Mismatch; 'ha-select-addr-failure': HA Standby Allocate Address Failure; 'ha-alloc-map-conflicts': HA Standby Allocate Mapping Conflicts;

Type: string

Supported Values: all, total-map-allocated, total-map-freed, map-alloc-failure, map-dbl-free, alloc-map-race, map-not-found, ha-map-mismatch, ha-select-addr-failure, ha-alloc-map-conflicts

stats data

	Counter	Size	Description
	total-map-freed	8	Total One-to-One Address Mapping Freed
	map-alloc-failure	8	One-to-One Address Mapping Allocation Failure
	total-map-allocated	8	Total One-to-One Address Mapping Allocated

2.19.190 cgnv6 one-to-one mapping

One to One Mapping

mapping Specification

Type	*Configuration Resource*
Element Name	mapping
Element URI	/axapi/v3/cgnv6/one-to-one/mapping
Element Attributes	mapping_attributes
Operational Data URI	/axapi/v3/cgnv6/one-to-one/mapping/oper
Schema	`mapping schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/one-to-one/mapping

mapping attributes

Get Object

GET

/axapi/v3/cgnv6/one-to-one/mapping

mapping attributes

Modify Object

POST

/axapi/v3/cgnv6/one-to-one/mapping

mapping attributes

Replace Object

PUT

/axapi/v3/cgnv6/one-to-one/mapping

mapping attributes

Delete Object

DELETE

/axapi/v3/cgnv6/one-to-one/mapping

mapping attributes

mapping attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-partition	flag	shared-partition
	all-partitions	flag	all-partitions
	inside-addr-end	ipv4-address	inside-addr-end
	shared-pool-name	string	shared-pool-name
	inside-addr-start	ipv4-address	inside-addr-start
	partition-name	string	partition-name
	nat-addr-val	ipv4-address	nat-addr-val
	nat-addr-start	ipv4-address	nat-addr-start
	nat-addr-end	ipv4-address	nat-addr-end
	inside-address-ipv6	ipv6-address	inside-address-ipv6
	inside-address-ipv4	ipv4-address	inside-address-ipv4
	session-mapping-list		session-mapping-list
	total	number	total
	pool-name	string	pool-name

2.19.191 cgnv6 one-to-one pool

Configure CGNv6 one-to-one pool

pool Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*pool-list*
Collection URI	/axapi/v3/cgnv6/one-to-one/pool
Element Name	pool
Element URI	/axapi/v3/cgnv6/one-to-one/pool/{pool-name}
Element Attributes	pool_attributes
Statistics Data URI	/axapi/v3/cgnv6/one-to-one/pool/{pool-name}/stats
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/one-to-one/pool

pool attributes

```
POST /axapi/v3/cgnv6/one-to-one/pool/
Payload:
{
    "pool": {
        "netmask": "/24",
        "start-address": "3.3.3.3",
        "pool-name": "a",
        "vrid": 1,
        "end-address": "3.3.3.3"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/one-to-one/pool

pool attributes

Get Object

GET

/axapi/v3/cgnv6/one-to-one/pool/{pool-name}

pool attributes

```
GET /axapi/v3/cgnv6/one-to-one/pool/a
Reponse:
{
    "pool": {
        "pool-name": "a",
        "start-address": "3.3.3.3",
        "end-address": "3.3.3.3",
        "netmask": "/24",
        "vrid": 1,
        "shared": 0,
        "uuid": "c753149e-6029-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/one-to-one/pool/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/one-to-one/pool

pool-list

Modify Object

POST

/axapi/v3/cgnv6/one-to-one/pool/{pool-name}

pool attributes

Replace Object

PUT

/axapi/v3/cgnv6/one-to-one/pool/{pool-name}

pool attributes

```
PUT /axapi/v3/cgnv6/one-to-one/pool/a
Payload:
{
    "pool": {
        "netmask": "/24",
        "start-address": "3.3.3.3",
        "pool-name": "a",
        "vrid": 1,
        "end-address": "3.3.3.3"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/one-to-one/pool

pool-list

Delete Object

DELETE

/axapi/v3/cgnv6/one-to-one/pool/{pool-name}

pool attributes

```
DELETE /axapi/v3/cgnv6/one-to-one/pool/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

...

]

pool attributes

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

group

Description Share with a partition group (Partition Group Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

partition

Description Share with a single partition (Partition Name)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Share this pool with other partitions (default: not shared)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

stats data

	Counter	Size	Description
	used-address	8	Used Address
	total-address	8	Total Address
	free-address	8	Free Address

2.19.192 cgnv6 one-to-one pool-group

Configure CGNv6 one-to-one pool group

pool-group Specification

Type	*Collection*
Object Key(s)	*pool-group-name*
Collection Name	*pool-group-list*
Collection URI	/axapi/v3/cgnv6/one-to-one/pool-group
Element Name	pool-group
Element URI	/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}
Element Attributes	pool-group_attributes
Schema	`pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/one-to-one/pool-group

pool-group attributes

```
POST /axapi/v3/cgnv6/one-to-one/pool-group/
Payload:
{
```

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```
    "pool-group": {
        "pool-group-name": "b"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/one-to-one/pool-group

pool-group attributes

Get Object

GET

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}

pool-group attributes

```
GET /axapi/v3/cgnv6/one-to-one/pool-group/b
Reponse:
{
    "pool-group": {
        "pool-group-name": "b",
        "uuid": "f31eca64-6029-11d9-b5c1-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/one-to-one/pool-group/b"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/one-to-one/pool-group

pool-group-list

Modify Object

POST

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}

pool-group attributes

Replace Object

PUT

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}

pool-group attributes

```
PUT /axapi/v3/cgnv6/one-to-one/pool-group/b
Payload:
{
    "pool-group": {
        "pool-group-name": "b"
```

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```
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/one-to-one/pool-group

pool-group-list

Delete Object

DELETE

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}

pool-group attributes

```
DELETE /axapi/v3/cgnv6/one-to-one/pool-group/b
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pool-group-list

pool-group-list is **JSON List** of *pool-group attributes*

pool-group-list : [

{ *pool-group attributes* },

{ *pool-group attributes* },

...

]

pool-group attributes

member-list

Type: List

Refernce Object: */axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid

Type: number

Range: 1-31

member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify CGNv6 one-to-one pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.193 cgnv6 one-to-one pool-group member

Add a CGNv6 one-to-one pool to this pool-group

member Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*member-list*
Collection URI	/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member
Element Name	member
Element URI	/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member/{pool-name}
Element Attributes	member_attributes
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member

member attributes

Create List

POST

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member

member attributes

Get Object

GET

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Get List

GET

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member

member-list

Modify Object

POST

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace Object

PUT

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace List

PUT

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member

member-list

Delete Object

DELETE

/axapi/v3/cgnv6/one-to-one/pool-group/{pool-group-name}/member/{pool-name}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

pool-name

Description Specify CGNv6 one-to-one pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.194 cgnv6 one-to-one shared-pool

shared-pool Specification

Type	*Configuration Resource*
Element Name	shared-pool
Element URI	/axapi/v3/cgnv6/one-to-one/shared-pool
Element Attributes	shared-pool_attributes
Operational Data URI	/axapi/v3/cgnv6/one-to-one/shared-pool/oper
Schema	`shared-pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/one-to-one/shared-pool

shared-pool attributes

Get Object

GET

/axapi/v3/cgnv6/one-to-one/shared-pool

shared-pool attributes

Modify Object

POST

/axapi/v3/cgnv6/one-to-one/shared-pool

shared-pool attributes

Replace Object

PUT

/axapi/v3/cgnv6/one-to-one/shared-pool

shared-pool attributes

Delete Object

DELETE

/axapi/v3/cgnv6/one-to-one/shared-pool

shared-pool attributes

shared-pool attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-pool-list		shared-pool-list

2.19.195 cgnv6 one-to-one shared-pool-group

shared-pool-group Specification

Type	*Configuration Resource*
Element Name	shared-pool-group
Element URI	/axapi/v3/cgnv6/one-to-one/shared-pool-group
Element Attributes	shared-pool-group_attributes
Operational Data URI	/axapi/v3/cgnv6/one-to-one/shared-pool-group/oper
Schema	`shared-pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/one-to-one/shared-pool-group

shared-pool-group attributes

Get Object

GET

/axapi/v3/cgnv6/one-to-one/shared-pool-group

shared-pool-group attributes

Modify Object

POST

/axapi/v3/cgnv6/one-to-one/shared-pool-group

shared-pool-group attributes

Replace Object

PUT

/axapi/v3/cgnv6/one-to-one/shared-pool-group

shared-pool-group attributes

Delete Object

DELETE

/axapi/v3/cgnv6/one-to-one/shared-pool-group

shared-pool-group attributes

shared-pool-group attributes

members

Description: members is a **JSON Block**. Please see below for *members*

Type: Object

Refernce Object: */axapi/v3/cgnv6/one-to-one/shared-pool-group/members*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

members

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-pool-group-list		shared-pool-group-list

2.19.196 cgnv6 one-to-one shared-pool-group members

members Specification

Type	*Configuration Resource*
Element Name	members
Element URI	/axapi/v3/cgnv6/one-to-one/shared-pool-group/members
Element Attributes	members_attributes
Operational Data URI	/axapi/v3/cgnv6/one-to-one/shared-pool-group/members/oper
Schema	`members schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/one-to-one/shared-pool-group/members

members attributes

Get Object

GET

/axapi/v3/cgnv6/one-to-one/shared-pool-group/members

members attributes

Modify Object

POST

/axapi/v3/cgnv6/one-to-one/shared-pool-group/members

members attributes

Replace Object

PUT

/axapi/v3/cgnv6/one-to-one/shared-pool-group/members

members attributes

Delete Object

DELETE

/axapi/v3/cgnv6/one-to-one/shared-pool-group/members

members attributes

members attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	member-list		member-list
	pool-group-name	string	pool-group-name

2.19.197 cgnv6 pcp

Set Port Control Protocol parameters

pcp Specification

Type	*Configuration Resource*
Element Name	pcp
Element URI	/axapi/v3/cgnv6/pcp
Element Attributes	pcp_attributes
Statistics Data URI	/axapi/v3/cgnv6/pcp/stats
Schema	`pcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/pcp

pcp attributes

```
POST /axapi/v3/cgnv6/pcp
Payload:
{
    "pcp": {
        "default-template": "a"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/pcp

pcp attributes

```
GET /axapi/v3/cgnv6/pcp
Reponse:
{
    "pcp": {
        "default-template": "a",
        "uuid": "5abf9448-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/pcp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/pcp

pcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/pcp

pcp attributes

```
PUT /axapi/v3/cgnv6/pcp
Payload:
{
    "pcp": {
        "default-template": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/pcp

pcp attributes

```
DELETE /axapi/v3/cgnv6/pcp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pcp attributes

default-template

Description Bind the default template for PCP (Bind a PCP template)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-rcv': Packets Received; 'lsn-map-process-success': PCP MAP Request Processing Success (NAT44); 'dslite-map-process-success': PCP MAP Request Processing Success (DS-Lite); 'nat64-map-process-success': PCP MAP Request Processing Success (NAT64); 'lsn-peer-process-success': PCP PEER Request Processing Success (NAT44); 'dslite-peer-process-success': PCP PEER Request Processing Success (DS-Lite); 'nat64-peer-process-success': PCP PEER Request Processing Success (NAT64); 'lsn-announce-process-success': PCP ANNOUNCE Request Processing Success (NAT44); 'dslite-announce-process-success': PCP ANNOUNCE Request Processing Success (DS-Lite); 'nat64-announce-process-success': PCP ANNOUNCE Request Processing Success (NAT64); 'pkt-not-request-drop': Packet Not a PCP Request; 'pkt-too-short-drop': Packet Too Short; 'noroute-drop': Response No Route; 'unsupported-version': Unsupported PCP version; 'not-authorized': PCP Request Not Authorized; 'malform-request': PCP Request Malformed; 'unsupp-opcode': Unsupported PCP Opcode; 'unsupp-option': Unsupported PCP Option; 'malform-option': PCP Option Malformed; 'no-resources': No System or NAT Resources; 'unsupp-protocol': Unsupported Mapping Protocol; 'user-quota-exceeded': User Quota Exceeded; 'cannot-provide-suggest': Cannot Provide Suggested Port When PREFER_FAILURE; 'address-mismatch': PCP Client Address Mismatch; 'excessive-remote-peers': Excessive Remote Peers; 'pkt-not-from-nat-inside': Packet Dropped For Not Coming From NAT Inside; 'l4-process-error': L3/L4 Process Error; 'internal-error-drop': Internal Error; 'unsol_ance_sent_succ': Unsolicited Announce Sent; 'unsol_ance_sent_fail': Unsolicited Announce Send Failure; 'ha_sync_epoch_sent': HA Sync PCP Epoch Sent; 'ha_sync_epoch_rcv': HA Sync PCP Epoch Recv; 'fullcone-ext-alloc': PCP Fullcone Extension Alloc; 'fullcone-ext-free': PCP

Fullcone Extension Free; 'fullcone-ext-alloc-failure': PCP Fullcone Extension Alloc Failure; 'fullcone-ext-notfound': PCP Fullcone Extension Not Found; 'fullcone-ext-reuse': PCP Fullcone Extension Reuse; 'client-nonce-mismatch': PCP Client Nonce Mismatch; 'map-filter-set': PCP MAP Filter Set; 'map-filter-deny': PCP MAP Filter Deny Inbound;

Type: string

Supported Values: all, packets-rcv, lsn-map-process-success, dslite-map-process-success, nat64-map-process-success, lsn-peer-process-success, dslite-peer-process-success, nat64-peer-process-success, lsn-announce-process-success, dslite-announce-process-success, nat64-announce-process-success, pkt-not-request-drop, pkt-too-short-drop, noroute-drop, unsupported-version, not-authorized, malform-request, unsupp-opcode, unsupp-option, malform-option, no-resources, unsupp-protocol, user-quota-exceeded, cannot-provide-suggest, address-mismatch, excessive-remote-peers, pkt-not-from-nat-inside, l4-process-error, internal-error-drop, unsol_ance_sent_succ, unsol_ance_sent_fail, ha_sync_epoch_sent, ha_sync_epoch_rcv, fullcone-ext-alloc, fullcone-ext-free, fullcone-ext-alloc-failure, fullcone-ext-notfound, fullcone-ext-reuse, client-nonce-mismatch, map-filter-set, map-filter-deny, inter-board-pkts

stats data

	Counter	Size	Description
	un-sol_ance_sent_fail	8	Unsolicited Announce Send Failure
	malform-request	8	PCP Request Malformed
	unsupp-option	8	Unsupported PCP Option
	unsupported-version	8	Unsupported PCP version
	no-resources	8	No System or NAT Resources
	unsupp-opcode	8	Unsupported PCP Opcode
	dslite-announce-process-success	8	PCP ANNOUNCE Request Processing Success (DS-Lite)
	l4-process-error	8	L3/L4 Process Error
	not-authorized	8	PCP Request Not Authorized
	ha_sync_epoch_sent	8	HA Sync PCP Epoch Sent
	nat64-announce-process-success	8	PCP ANNOUNCE Request Processing Success (NAT64)
	pkt-not-from-nat-inside	8	Packet Dropped For Not Coming From NAT Inside
	user-quota-exceeded	8	User Quota Exceeded

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Table 2.8 – continued from previous page

	Counter	Size	Description
	dslite-map-process-success	8	PCP MAP Request Processing Success (DS-Lite)
	packets-rcv	8	Packets Received
	lsn-announce-process-success	8	PCP ANNOUNCE Request Processing Success (NAT44)
	cannot-provide-suggest	8	Cannot Provide Suggested Port When PREFER_FAILURE
	nat64-map-process-success	8	PCP MAP Request Processing Success (NAT64)
	internal-error-drop	8	Internal Error
	dslite-peer-process-success	8	PCP PEER Request Processing Success (DS-Lite)
	malform-option	8	PCP Option Malformed
	excessive-remote-peers	8	Excessive Remote Peers
	lsn-map-process-success	8	PCP MAP Request Processing Success (NAT44)
	unsupp-protocol	8	Unsupported Mapping Protocol
	ha_sync_epoch_rcv	8	HA Sync PCP Epoch Recv
	un-sol_ance_sent_succ	8	Unsolicited Announce Sent
	pkt-not-request-drop	8	Packet Not a PCP Request
	address-mismatch	8	PCP Client Address Mismatch
	noroute-drop	8	Response No Route
	lsn-peer-process-success	8	PCP PEER Request Processing Success (NAT44)
	nat64-peer-process-success	8	PCP PEER Request Processing Success (NAT64)
	pkt-too-short-drop	8	Packet Too Short

2.19.198 cgnv6 port-batch-v1

Configure Port-batch-v1 Behavior

port-batch-v1 Specification

Type	*Configuration Resource*
Element Name	port-batch-v1
Element URI	/axapi/v3/cgnv6/port-batch-v1
Element Attributes	port-batch-v1_attributes
Schema	`port-batch-v1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/port-batch-v1

port-batch-v1 attributes

Get Object

GET

/axapi/v3/cgnv6/port-batch-v1

port-batch-v1 attributes

Modify Object

POST

/axapi/v3/cgnv6/port-batch-v1

port-batch-v1 attributes

Replace Object

PUT

/axapi/v3/cgnv6/port-batch-v1

port-batch-v1 attributes

Delete Object

DELETE

/axapi/v3/cgnv6/port-batch-v1

port-batch-v1 attributes

port-batch-v1 attributes

enable-port-batch-v1

Description Enable lsn port-batching v1 (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.199 cgnv6 port-list

Configure port list

port-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*port-list-list*
Collection URI	/axapi/v3/cgnv6/port-list
Element Name	port-list
Element URI	/axapi/v3/cgnv6/port-list/{name}
Element Attributes	port-list_attributes
Schema	`port-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/port-list

port-list attributes

Create List

POST

/axapi/v3/cgnv6/port-list

port-list attributes

Get Object

GET

/axapi/v3/cgnv6/port-list/{name}

port-list attributes

Get List

GET

/axapi/v3/cgnv6/port-list

port-list-list

Modify Object

POST

/axapi/v3/cgnv6/port-list/{name}

port-list attributes

Replace Object

PUT

/axapi/v3/cgnv6/port-list/{name}

port-list attributes

Replace List

PUT

/axapi/v3/cgnv6/port-list

port-list-list

Delete Object

DELETE

/axapi/v3/cgnv6/port-list/{name}

port-list attributes

port-list-list

port-list-list is **JSON List** of *port-list attributes*

port-list-list : [

{ *port-list attributes* },

{ *port-list attributes* },

...

]

port-list attributes

name

Description Specify name of the port list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-config

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-config

Specification	
Type	*list*
Block object keys	

original-port

Description Original port to be translated

Type: number

Range: 0-65535

translated-port

Description Port after translation

Type: number

Range: 0-65535

2.19.200 cgnv6 resource-usage

Configure CGNV6 Resource Usage

resource-usage Specification

Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/cgnv6/resource-usage
Element Attributes	resource-usage_attributes
Operational Data URI	/axapi/v3/cgnv6/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/resource-usage

resource-usage attributes

```
POST /axapi/v3/cgnv6/resource-usage
Payload:
{
    "resource-usage": {
        "lsn-nat-addr-count": 512,
        "stateless-entries": {
            "l4-session-count": 268435456
        }
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/resource-usage

resource-usage attributes

```
GET /axapi/v3/cgnv6/resource-usage
Reponse:
{
    "resource-usage": {
        "lsn-nat-addr-count": 512,
        "fixed-nat-ip-addr-count": 512000,
        "fixed-nat-inside-user-count": 16000000,
        "radius-table-size": 16000000,
        "uuid": "0448d91a-c86b-11e9-ba2d-9778838992f8",
        "stateless-entries": {
            "l4-session-count": 268435456,
            "uuid": "f5a09f0a-602a-11d9-b769-001fa00680a0",
```

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```
            "a10-url": "/axapi/v3/cgnv6/resource-usage/stateless-entries"
        },
        "a10-url": "/axapi/v3/cgnv6/resource-usage"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/resource-usage

resource-usage attributes

Replace Object

PUT

/axapi/v3/cgnv6/resource-usage

resource-usage attributes

```
PUT /axapi/v3/cgnv6/resource-usage
Payload:
{
    "resource-usage": {
        "fixed-nat-ip-addr-count": 512000,
        "stateless-entries": {
            "l4-session-count": 268435456
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/resource-usage

resource-usage attributes

```
DELETE /axapi/v3/cgnv6/resource-usage
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Changes will come into effect next time you reload the Software."
    }
}
```

resource-usage attributes

fixed-nat-inside-user-count

Description Total configurable CGNV6 Fixed NAT inside users

Type: number

fixed-nat-ip-addr-count

Description Total configurable CGNV6 Fixed NAT addresses

Type: number

lsn-nat-addr-count

Description Total configurable CGNV6 NAT Pool addresses

Type: number

radius-table-size

Description Total configurable CGNV6 RADIUS Table entries

Type: number

stateless-entries

Description: stateless-entries is a **JSON Block**. Please see below for *stateless-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/resource-usage/stateless-entries*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateless-entries

Specification	
Type	*object*

l4-session-count

Description Helper size for CGN Stateless Technologies

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	fixed-nat-ip-addr-count-max	number	fixed-nat-ip-addr-count-max
	fixed-nat-ip-addr-count-default	number	fixed-nat-ip-addr-count-default
	lsn-nat-addr-count-min	number	lsn-nat-addr-count-min
	radius-table-size-max	number	radius-table-size-max
	radius-table-size-default	number	radius-table-size-default
	fixed-nat-inside-user-count-default	number	fixed-nat-inside-user-count-default
	fixed-nat-inside-user-count-min	number	fixed-nat-inside-user-count-min
	radius-table-size-min	number	radius-table-size-min
	lsn-nat-addr-count-max	number	lsn-nat-addr-count-max
	fixed-nat-inside-user-count-max	number	fixed-nat-inside-user-count-max
	fixed-nat-ip-addr-count-min	number	fixed-nat-ip-addr-count-min
	lsn-nat-addr-count-default	number	lsn-nat-addr-count-default

2.19.201 cgnv6 resource-usage stateless-entries

Helper size for CGN Stateless Technologies

stateless-entries Specification

Type	*Configuration Resource*
Element Name	stateless-entries
Element URI	/axapi/v3/cgnv6/resource-usage/stateless-entries
Element Attributes	stateless-entries_attributes
Schema	`stateless-entries schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/resource-usage/stateless-entries

stateless-entries attributes

Get Object

GET

/axapi/v3/cgnv6/resource-usage/stateless-entries

stateless-entries attributes

Modify Object

POST

/axapi/v3/cgnv6/resource-usage/stateless-entries

stateless-entries attributes

Replace Object

PUT

/axapi/v3/cgnv6/resource-usage/stateless-entries

stateless-entries attributes

Delete Object

DELETE

/axapi/v3/cgnv6/resource-usage/stateless-entries

stateless-entries attributes

stateless-entries attributes

l4-session-count

Description Helper size for CGN Stateless Technologies

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.202 cgnv6 scaleout

CGN Scaleout configuration

scaleout Specification

Type	*Intermediate Resource*
Element Name	scaleout
Element URI	/axapi/v3/cgnv6/scaleout
Element Attributes	scaleout_attributes
Schema	`scaleout schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/scaleout

scaleout_attributes

scaleout attributes

address-mapping

Description: address-mapping is a **JSON Block**. Please see below for *address-mapping*

Type: Object

Refernce Object: */axapi/v3/cgnv6/scaleout/address-mapping*

nat-ip-hashing-scheme

Description: nat-ip-hashing-scheme is a **JSON Block**. Please see below for *nat-ip-hashing-scheme*

Type: Object

Refernce Object: */axapi/v3/cgnv6/scaleout/nat-ip-hashing-scheme*

address-mapping

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-ip-hashing-scheme

Specification	
Type	*object*

hashing-type

Description 'route-aggregation': Chunk contiguous NAT IPs for route aggregation(default); 'mod-user-groups': Hash NAT IPs by taking mod of user-groups;

Type: string

Supported Values: route-aggregation, mod-user-groups

Default: route-aggregation

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.203 cgnv6 scaleout nat-ip-hashing-scheme

Configure Scaleout NAT IP Hashing scheme

nat-ip-hashing-scheme Specification

Type	*Configuration Resource*
Element Name	nat-ip-hashing-scheme
Element URI	/axapi/v3/cgnv6/scaleout/nat-ip-hashing-scheme
Element Attributes	nat-ip-hashing-scheme_attributes
Schema	`nat-ip-hashing-scheme schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/scaleout/nat-ip-hashing-scheme

nat-ip-hashing-scheme attributes

Get Object

GET

/axapi/v3/cgnv6/scaleout/nat-ip-hashing-scheme

nat-ip-hashing-scheme attributes

Modify Object

POST

/axapi/v3/cgnv6/scaleout/nat-ip-hashing-scheme

nat-ip-hashing-scheme attributes

Replace Object

PUT

/axapi/v3/cgnv6/scaleout/nat-ip-hashing-scheme

nat-ip-hashing-scheme attributes

Delete Object

DELETE

/axapi/v3/cgnv6/scaleout/nat-ip-hashing-scheme

nat-ip-hashing-scheme attributes

nat-ip-hashing-scheme attributes

hashing-type

Description 'route-aggregation': Chunk contiguous NAT IPs for route aggregation(default); 'mod-user-groups': Hash NAT IPs by taking mod of user-groups;

Type: string

Supported Values: route-aggregation, mod-user-groups

Default: route-aggregation

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.204 cgnv6 sctp

Configure CGNv6 SCTP NAT parameters

sctp Specification

Type	*Intermediate Resource*
Element Name	sctp
Element URI	/axapi/v3/cgnv6/sctp
Element Attributes	sctp_attributes
Schema	`sctp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/sctp

sctp_attributes

sctp attributes

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp/global*

permit-payload-protocol

Description: permit-payload-protocol is a **JSON Block**. Please see below for *permit-payload-protocol*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp/permit-payload-protocol*

rate-limit

Description: rate-limit is a **JSON Block**. Please see below for *rate-limit*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit*

rate-limit-entries

Description: rate-limit-entries is a **JSON Block**. Please see below for *rate-limit-entries*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit-entries*

rate-limit-entries

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

half-open-timeout

Description Set SCTP half-open timeout (SCTP half-open timeout in seconds (default 4))

Type: number

Range: 2-30

Default: 4

idle-timeout

Description SCTP idle timeout in minutes (default 5)

Type: number

Range: 1-63

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rate-limit

Specification	
Type	*object*

destination-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit/destination/{ip}*

source-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit/source/{ip}*

rate-limit_source-list

Specification	
Type	*list*
Block object keys	

ip

Description IP address

Type: string

Format: ipv4-address

rate-limit

Description Rate limit in packets per second

Type: number

Range: 1-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rate-limit_destination-list

Specification	
Type	*list*
Block object keys	

ip

Description IP address

Type: string

Format: ipv4-address

rate-limit

Description Rate limit in packets per second

Type: number

Range: 1-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

permit-payload-protocol

Specification	
Type	*object*

protocol-id-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/{id}*

protocol-name-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/{protocol}*

permit-payload-protocol_protocol-id-list

Specification	
Type	*list*
Block object keys	

id

Description Specify SCTP permitted payload protocol IDs

Type: number

Range: 1-63

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

permit-payload-protocol_protocol-name-list

Specification	
Type	*list*
Block object keys	

protocol

Description 'iua': IUA; 'm2ua': M2UA; 'm3ua': M3UA; 'sua': SUA; 'm2pa': M2PA; 'h.323': H.323;

Type: string

Supported Values: iua, m2ua, m3ua, sua, m2pa, h.323

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.205 cgnv6 sctp global

Configure CGNv6 SCTP NAT global parameters

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/sctp/global
Element Attributes	global_attributes
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sctp/global

global attributes

Get Object

GET

/axapi/v3/cgnv6/sctp/global

global attributes

Modify Object

POST

/axapi/v3/cgnv6/sctp/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/sctp/global

global attributes

Delete Object

DELETE

/axapi/v3/cgnv6/sctp/global

global attributes

global attributes

half-open-timeout

Description Set SCTP half-open timeout (SCTP half-open timeout in seconds (default 4))

Type: number

Range: 2-30

Default: 4

idle-timeout

Description SCTP idle timeout in minutes (default 5)

Type: number

Range: 1-63

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.206 cgnv6 sctp permit-payload-protocol

Configure SCTP permitted payload protocols

permit-payload-protocol Specification

Type	*Intermediate Resource*
Element Name	permit-payload-protocol
Element URI	/axapi/v3/cgnv6/sctp/permit-payload-protocol
Element Attributes	permit-payload-protocol_attributes
Schema	`permit-payload-protocol schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/sctp/permit-payload-protocol

permit-payload-protocol_attributes

permit-payload-protocol attributes

protocol-id-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/{id}*

protocol-name-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/{protocol}*

protocol-id-list

Specification	
Type	*list*
Block object keys	

id

Description Specify SCTP permitted payload protocol IDs

Type: number

Range: 1-63

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol-name-list

Specification	
Type	*list*
Block object keys	

protocol

Description 'iua': IUA; 'm2ua': M2UA; 'm3ua': M3UA; 'sua': SUA; 'm2pa': M2PA; 'h.323': H.323;

Type: string

Supported Values: iua, m2ua, m3ua, sua, m2pa, h.323

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.207 cgnv6 sctp permit-payload-protocol protocol-id

Configure SCTP permitted payload protocol ID

protocol-id Specification

Type	*Collection*
Object Key(s)	*id*
Collection Name	*protocol-id-list*
Collection URI	/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id
Element Name	protocol-id
Element URI	/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/{id}
Element Attributes	protocol-id_attributes
Schema	`protocol-id schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id

protocol-id attributes

```
POST /axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/
Payload:
{
    "protocol-id": {
        "id": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id

protocol-id attributes

Get Object

GET

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/{id}

protocol-id attributes

```
GET /axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/1
Reponse:
{
```

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```
    "protocol-id": {
        "id": 1,
        "uuid": "6da3db8e-602b-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id

protocol-id-list

Modify Object

POST

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/{id}

protocol-id attributes

Replace Object

PUT

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/{id}

protocol-id attributes

```
PUT /axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/1
Payload:
{
    "protocol-id": {
        "id": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id

protocol-id-list

Delete Object

DELETE

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/{id}

protocol-id attributes

```
DELETE /axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-id/1
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

protocol-id-list

protocol-id-list is **JSON List** of *protocol-id attributes*

protocol-id-list : [

{ *protocol-id attributes* },

{ *protocol-id attributes* },

...

]

protocol-id attributes

id

Description Specify SCTP permitted payload protocol IDs

Type: number

Range: 1-63

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.208 cgnv6 sctp permit-payload-protocol protocol-name

Configure SCTP permitted payload protocols

protocol-name Specification

Type	*Collection*
Object Key(s)	*protocol*
Collection Name	*protocol-name-list*
Collection URI	/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name
Element Name	protocol-name
Element URI	/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/{protocol}
Element Attributes	protocol-name_attributes
Schema	`protocol-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name

protocol-name attributes

```
POST /axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/
Payload:
{
    "protocol-name": {
        "protocol": "iua"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name

protocol-name attributes

Get Object

GET

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/{protocol}

protocol-name attributes

```
GET /axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/iua
Reponse:
{
    "protocol-name": {
        "protocol": "iua",
        "uuid": "7afc3c36-602b-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/iua"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name

protocol-name-list

Modify Object

POST

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/{protocol}

protocol-name attributes

Replace Object

PUT

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/{protocol}

protocol-name attributes

```
PUT /axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/iua
Payload:
{
    "protocol-name": {
        "protocol": "iua"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name

protocol-name-list

Delete Object

DELETE

/axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/{protocol}

protocol-name attributes

```
DELETE /axapi/v3/cgnv6/sctp/permit-payload-protocol/protocol-name/iua
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

protocol-name-list

protocol-name-list is **JSON List** of *protocol-name attributes*

protocol-name-list : [

{ *protocol-name attributes* },

{ *protocol-name attributes* },

...

]

protocol-name attributes

protocol

Description 'iua': IUA; 'm2ua': M2UA; 'm3ua': M3UA; 'sua': SUA; 'm2pa': M2PA; 'h.323': H.323;

Type: string

Supported Values: iua, m2ua, m3ua, sua, m2pa, h.323

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.209 cgnv6 sctp rate-limit

Configure SCTP rate-limit

rate-limit Specification

Type	*Intermediate Resource*
Element Name	rate-limit
Element URI	/axapi/v3/cgnv6/sctp/rate-limit
Element Attributes	rate-limit_attributes
Schema	`rate-limit schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/sctp/rate-limit

rate-limit_attributes

rate-limit attributes

destination-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit/destination/{ip}*

source-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sctp/rate-limit/source/{ip}*

source-list

Specification	
Type	*list*
Block object keys	

ip

Description IP address

Type: string

Format: ipv4-address

rate-limit

Description Rate limit in packets per second

Type: number

Range: 1-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination-list

Specification	
Type	*list*
Block object keys	

ip

Description IP address

Type: string

Format: ipv4-address

rate-limit

Description Rate limit in packets per second

Type: number

Range: 1-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.210 cgnv6 sctp rate-limit destination

Configure SCTP destination rate-limit

destination Specification

Type	*Collection*
Object Key(s)	*ip*
Collection Name	*destination-list*
Collection URI	/axapi/v3/cgnv6/sctp/rate-limit/destination
Element Name	destination
Element URI	/axapi/v3/cgnv6/sctp/rate-limit/destination/{ip}
Element Attributes	destination_attributes
Schema	`destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sctp/rate-limit/destination

destination attributes

```
POST /axapi/v3/cgnv6/sctp/rate-limit/destination/
Payload:
{
    "destination": {
        "ip": "3.3.3.3",
        "rate-limit": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/sctp/rate-limit/destination

destination attributes

Get Object

GET

/axapi/v3/cgnv6/sctp/rate-limit/destination/{ip}

destination attributes

```
GET /axapi/v3/cgnv6/sctp/rate-limit/destination/3.3.3.3
Reponse:
{
    "destination": {
        "ip": "3.3.3.3",
```

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```
        "rate-limit": 1,
        "uuid": "95bfd6ea-602b-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/sctp/rate-limit/destination/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/sctp/rate-limit/destination

destination-list

Modify Object

POST

/axapi/v3/cgnv6/sctp/rate-limit/destination/{ip}

destination attributes

Replace Object

PUT

/axapi/v3/cgnv6/sctp/rate-limit/destination/{ip}

destination attributes

```
PUT /axapi/v3/cgnv6/sctp/rate-limit/destination/3.3.3.3
Payload:
{
    "destination": {
        "ip": "3.3.3.3",
        "rate-limit": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/sctp/rate-limit/destination

destination-list

Delete Object

DELETE

/axapi/v3/cgnv6/sctp/rate-limit/destination/{ip}

destination attributes

```
DELETE /axapi/v3/cgnv6/sctp/rate-limit/destination/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

destination-list

destination-list is **JSON List** of *destination attributes*

destination-list : [

{ *destination attributes* },

{ *destination attributes* },

...

]

destination attributes

ip

Description IP address

Type: string

Format: ipv4-address

rate-limit

Description Rate limit in packets per second

Type: number

Range: 1-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.211 cgnv6 sctp rate-limit-entries

Display CGNv6 SCTP Rate-limit Entries

rate-limit-entries Specification

Type	*Configuration Resource*
Element Name	rate-limit-entries
Element URI	/axapi/v3/cgnv6/sctp/rate-limit-entries
Element Attributes	rate-limit-entries_attributes
Operational Data URI	/axapi/v3/cgnv6/sctp/rate-limit-entries/oper
Schema	`rate-limit-entries schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sctp/rate-limit-entries

rate-limit-entries attributes

Get Object

GET

/axapi/v3/cgnv6/sctp/rate-limit-entries

rate-limit-entries attributes

Modify Object

POST

/axapi/v3/cgnv6/sctp/rate-limit-entries

rate-limit-entries attributes

Replace Object

PUT

/axapi/v3/cgnv6/sctp/rate-limit-entries

rate-limit-entries attributes

Delete Object

DELETE

/axapi/v3/cgnv6/sctp/rate-limit-entries

rate-limit-entries attributes

rate-limit-entries attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	rate-limit-entries-list		rate-limit-entries-list
	entry-count	number	entry-count

2.19.212 cgnv6 sctp rate-limit source

Configure SCTP source rate-limit

source Specification

Type	*Collection*
Object Key(s)	*ip*
Collection Name	*source-list*
Collection URI	/axapi/v3/cgnv6/sctp/rate-limit/source
Element Name	source
Element URI	/axapi/v3/cgnv6/sctp/rate-limit/source/{ip}
Element Attributes	source_attributes
Schema	`source schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sctp/rate-limit/source

source attributes

```
POST /axapi/v3/cgnv6/sctp/rate-limit/source/
Payload:
{
    "source": {
        "ip": "3.3.3.3",
        "rate-limit": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/sctp/rate-limit/source

source attributes

Get Object

GET

/axapi/v3/cgnv6/sctp/rate-limit/source/{ip}

source attributes

```
GET /axapi/v3/cgnv6/sctp/rate-limit/source/3.3.3.3
Reponse:
{
    "source": {
        "ip": "3.3.3.3",
        "rate-limit": 1,
        "uuid": "ad8eeb3a-602b-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/sctp/rate-limit/source/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/sctp/rate-limit/source

source-list

Modify Object

POST

/axapi/v3/cgnv6/sctp/rate-limit/source/{ip}

source attributes

Replace Object

PUT

/axapi/v3/cgnv6/sctp/rate-limit/source/{ip}

source attributes

```
PUT /axapi/v3/cgnv6/sctp/rate-limit/source/3.3.3.3
Payload:
{
    "source": {
        "ip": "3.3.3.3",
        "rate-limit": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/sctp/rate-limit/source

source-list

Delete Object

DELETE

/axapi/v3/cgnv6/sctp/rate-limit/source/{ip}

source attributes

```
DELETE /axapi/v3/cgnv6/sctp/rate-limit/source/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

source-list

source-list is **JSON List** of *source attributes*

source-list : [

{ *source attributes* },

{ *source attributes* },

...

]

source attributes

ip

Description IP address

Type: string

Format: ipv4-address

rate-limit

Description Rate limit in packets per second

Type: number

Range: 1-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.213 cgnv6 server

CGNV6 logging Server

server Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-list*
Collection URI	/axapi/v3/cgnv6/server
Element Name	server
Element URI	/axapi/v3/cgnv6/server/{name}
Element Attributes	server_attributes
Statistics Data URI	/axapi/v3/cgnv6/server/{name}/stats
Operational Data URI	/axapi/v3/cgnv6/server/{name}/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/server

server attributes

```
POST /axapi/v3/cgnv6/server/
Payload:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/server

server attributes

Get Object

GET

/axapi/v3/cgnv6/server/{name}

server attributes

```
GET /axapi/v3/cgnv6/server/a
Reponse:
{
```

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```
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1",
        "action": "enable",
        "health-check-disable": 0,
        "uuid": "bbf5a2b8-602b-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/server/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/server

server-list

Modify Object

POST

/axapi/v3/cgnv6/server/{name}

server attributes

Replace Object

PUT

/axapi/v3/cgnv6/server/{name}

server attributes

```
PUT /axapi/v3/cgnv6/server/a/port/0+tcp
Payload:
{
    "port": {
        "protocol": "tcp",
        "port-number": 0,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/server

server-list

Delete Object

DELETE

/axapi/v3/cgnv6/server/{name}

server attributes

```
DELETE /axapi/v3/cgnv6/server/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

...

]

server attributes

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server;

Type: string

Supported Values: enable, disable

Default: enable

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

host

Description IP Address

Type: string

Format: ipv4-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

port-list

Type: List

Refernce Object: */axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port and health-check are mutually exclusive

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total request success; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500':

Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy Response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr-conn': Current connections; 'total-conn': Total connections; 'fwd-pkt': Forward packets; 'rev-pkt': Reverse Packets; 'peak-conn': Peak connections;

Type: string

Supported Values: all, curr-conn, total-conn, fwd-pkt, rev-pkt, peak-conn

stats data

	Counter	Size	Description
	peak-conn	8	Peak connections
	curr-conn	8	Current connections
	rev-pkt	8	Reverse Packets
	fwd-pkt	8	Forward packets
	total-conn	8	Total connections

operational data

	Counter	Size	Description
	conn_rate_unit	string	conn_rate_unit
	weight	number	weight
	dns_update_time	string	dns_update_time
	creation_type	string	creation_type
	server_ttl	number	server_ttl
	curr_observe_rate	number	curr_observe_rate
	curr_conn_rate	number	curr_conn_rate
	state	enum	Output contains one of the following values: - UP, DOWN, DELETE, DISABLED, MAINTENANCE
	disable	number	disable
	drs-list		drs-list
	slow_start_conn_limit	number	slow_start_conn_limit
	is_autocreate	number	is_autocreate
	srv_gateway_arp	mac-address	srv_gateway_arp

2.19.214 cgnv6 server port

Real Server Port

port Specification

Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/cgnv6/server/{name}/port
Element Name	port
Element URI	/axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Statistics Data URI	/axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}/stats
Operational Data URI	/axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/server/{name}/port

port attributes

Create List

POST

/axapi/v3/cgnv6/server/{name}/port

port attributes

Get Object

GET

/axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/cgnv6/server/{name}/port

port-list

Modify Object

POST

/axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/cgnv6/server/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/cgnv6/server/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port and health-check are mutually exclusive

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total request success; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy Response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time

stats data

	Counter	Size	Description
	es_resp_invalid_http	8	Total non-http response
	curr_req	8	Current requests
	total_rev_pkts_inspected_good_status_code	8	Total reverse packets with good status code inspected
	es_resp_count	8	Total proxy Response
	total_fwd_bytes	8	Forward bytes
	es_resp_other	8	Response status other
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Forward packets
	es_req_count	8	Total proxy request
	es_resp_500	8	Response status 500
	peak_conn	8	Peak connections
	total_req	8	Total requests
	es_resp_400	8	Response status 400
	es_resp_300	8	Response status 300
	curr_conn	8	Current connections
	es_resp_200	8	Response status 200
	total_rev_bytes	8	Reverse bytes
	response_time	8	Response time
	total_conn	8	Total connections
	total_rev_pkts	8	Reverse packets
	total_req_succ	8	Total request success
	last_total_conn	8	Last total connections
	total_rev_pkts_inspected	8	Total reverse packets inspected
	slowest_rsp_time	8	Slowest response time

operational data

	Counter	Size	Description
	down_grace_period_allowed	number	down_grace_period_allowed
	nat-pool-addr-list		nat-pool-addr-list
	drs-ip-nat-list		drs-ip-nat-list
	drs-auto-nat-list		drs-auto-nat-list
	auto-nat-addr-list		auto-nat-addr-list
	aflow_queue_size	number	aflow_queue_size
	current_time	number	current_time
	state	enum	Output contains one of the following values: - Up, Down, Disabled, Maintenance, Unknown, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-DAMP
	slow_start_conn_limit	number	slow_start_conn_limit
	resv_conn	number	resv_conn
	pool_name	string-rlx	pool_name
	hm-index	number	hm-index
	down_time_grace_period	number	down_time_grace_period
	in-band_hm_reassign_num	number	inband_hm_reassign_num
	curr_observe_rate	number	curr_observe_rate
	curr_conn_rate	number	curr_conn_rate
	disable	number	disable
	aflow_conn_limit	number	aflow_conn_limit
	diame-ter_enabled	number	diameter_enabled
	soft_down_time	number	soft_down_time
	hm-key	number	hm-key
	es_resp_time	number	es_resp_time
	conn_rate_unit	string	conn_rate_unit

2.19.215 cgnv6 service-group

Service Group

service-group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/cgnv6/service-group
Element Name	service-group
Element URI	/axapi/v3/cgnv6/service-group/{name}
Element Attributes	service-group_attributes
Statistics Data URI	/axapi/v3/cgnv6/service-group/{name}/stats
Operational Data URI	/axapi/v3/cgnv6/service-group/{name}/oper
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/service-group

service-group attributes

```
POST /axapi/v3/cgnv6/service-group/
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/service-group

service-group attributes

Get Object

GET

/axapi/v3/cgnv6/service-group/{name}

service-group attributes

```
GET /axapi/v3/cgnv6/service-group/a
Reponse:
{
    "service-group": {
        "name": "a",
        "protocol": "tcp",
        "shared": 0,
```

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```
        "traffic-replication-mirror-ip-repl": 0,
        "uuid": "02ed8a28-602c-11d9-b769-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/cgnv6/service-group/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/service-group

service-group-list

Modify Object

POST

/axapi/v3/cgnv6/service-group/{name}

service-group attributes

Replace Object

PUT

/axapi/v3/cgnv6/service-group/{name}

service-group attributes

```
PUT /axapi/v3/cgnv6/service-group/a
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/service-group

service-group-list

Delete Object

DELETE

/axapi/v3/cgnv6/service-group/{name}

service-group attributes

```
DELETE /axapi/v3/cgnv6/service-group/a
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

member-list

Type: List

Refernce Object: */axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}*

name

Description CGNV6 Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

shared

Description Share with partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-group

Description Share with a partition group (Partition Group Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: shared-group and shared-partition are mutually exclusive

shared-partition

Description Share with a single partition (Partition Name)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: shared-partition and shared-group are mutually exclusive

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Service selection fail drop; 'server_selection_fail_reset': Service selection fail reset; 'service_peak_conn': Service peak connection;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn

member-list

Specification	
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests success; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

stats data

	Counter	Size	Description
	server_selection_fail_drop	8	Service selection fail drop
	server_selection_fail_reset	8	Service selection fail reset
	service_peak_conn	8	Service peak connection

operational data

	Counter	Size	Description
	pri_affinity_priority	number	pri_affinity_priority
	state-less_type	number	stateless_type
	servers_down	number	servers_down
	servers_total	number	servers_total
	servers_disable	number	servers_disable
	state-less_state	number	stateless_state
	filter	enum	Output contains one of the following values: - sgm-sort-config
	state-less_current_rate	number	stateless_current_rate
	state	enum	Output contains one of the following values: - All Up, Functional Up, Down, Disb, Unkn
	sgm-list		sgm-list
	servers_up	number	servers_up
	state-less_current_usage	number	stateless_current_usage
	hm_dsr_enable_all_vip	number	hm_dsr_enable_all_vip

2.19.216 cgnv6 service-group member

Service Group Member

member Specification

Type	*Collection*
Object Key(s)	*name, port*
Collection Name	*member-list*
Collection URI	/axapi/v3/cgnv6/service-group/{name}/member
Element Name	member
Element URI	/axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}
Element Attributes	member_attributes
Statistics Data URI	/axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}/stats
Operational Data URI	/axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}/oper
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/service-group/{name}/member

member attributes

Create List

POST

/axapi/v3/cgnv6/service-group/{name}/member

member attributes

Get Object

GET

/axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}

member attributes

Get List

GET

/axapi/v3/cgnv6/service-group/{name}/member

member-list

Modify Object

POST

/axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}

member attributes

Replace Object

PUT

/axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}

member attributes

Replace List

PUT

/axapi/v3/cgnv6/service-group/{name}/member

member-list

Delete Object

DELETE

/axapi/v3/cgnv6/service-group/{name}/member/{name}+{port}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/cgnv6/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes':

Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests success; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

stats data

	Counter	Size	Description
	curr_req	8	Current requests
	total_fwd_bytes	8	Total forward bytes
	curr_ssl_conn	8	Current SSL connections
	peak_conn	8	Peak connections
	total_req	8	Total requests
	total_conn	8	Total connections
	total_ssl_conn	8	Total SSL connections
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Total forward packets
	total_rev_pkts_inspected_status_code_non_5xx	8	Total reverse packets inspected status code non 5xx
	total_rev_pkts	8	Total reverse packets
	total_rev_pkts_inspected_status_code_2xx	8	Total reverse packets inspected status code 2xx
	total_req_succ	8	Total requests success
	state_flaps	8	State flaps count
	curr_conn	8	Current connections
	total_rev_pkts_inspected	8	Total reverse packets inspected
	curr_conn_overflow	8	Current connection counter overflow count
	total_rev_bytes	8	Total reverse bytes
	slowest_rsp_time	8	Slowest response time
	response_time	8	Response time

operational data

	Counter	Size	Description
	alt-list		alt-list
	hm-key	number	hm-key
	state	enum	Output contains one of the following values: - UP, DOWN, MAINTENANCE, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-DAMP
	drs-list		drs-list
	hm-index	number	hm-index

2.19.217 cgnv6 shared-service-group

CGNv6 Shared Service Group

shared-service-group Specification

Type	*Configuration Resource*
Element Name	shared-service-group
Element URI	/axapi/v3/cgnv6/shared-service-group
Element Attributes	shared-service-group_attributes
Operational Data URI	/axapi/v3/cgnv6/shared-service-group/oper
Schema	`shared-service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/shared-service-group

shared-service-group attributes

Get Object

GET

/axapi/v3/cgnv6/shared-service-group

shared-service-group attributes

Modify Object

POST

/axapi/v3/cgnv6/shared-service-group

shared-service-group attributes

Replace Object

PUT

/axapi/v3/cgnv6/shared-service-group

shared-service-group attributes

Delete Object

DELETE

/axapi/v3/cgnv6/shared-service-group

shared-service-group attributes

shared-service-group attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	shared-service-group-list		shared-service-group-list

2.19.218 cgnv6 sixrd

Configure IPv6 Rapid Deployment (sixrd)

sixrd Specification

Type	*Intermediate Resource*
Element Name	sixrd
Element URI	/axapi/v3/cgnv6/sixrd
Element Attributes	sixrd_attributes
Schema	`sixrd schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/sixrd

sixrd_attributes

sixrd attributes

domain-list

Type: List

Refernce Object: */axapi/v3/cgnv6/sixrd/domain/{name}*

fragmentation

Description: fragmentation is a **JSON Block**. Please see below for *fragmentation*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd/fragmentation*

domain-list

Specification	
Type	*list*
Block object keys	

br-ipv4-address

Description 6rd BR IPv4 address

Type: string

Format: ipv4-address

ce-ipv4-netmask

Description Mask length

Type: string

Format: ipv4-netmask-brief

ce-ipv4-network

Description Customer Edge IPv4 network

Type: string

Format: ipv4-address

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

mtu

Description Tunnel MTU

Type: number

Range: 1280-1480

name

Description 6rd Domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound-tcp-packets-received': Outbound TCP packets received; 'outbound-udp-packets-received': Outbound UDP packets received; 'outbound-icmp-packets-received': Outbound ICMP packets received; 'outbound-other-packets-received': Outbound other packets received; 'outbound-packets-drop': Outbound packets dropped; 'outbound-ipv6-dest-unreachable': Outbound IPv6 destination unreachable; 'outbound-fragment-ipv6': Outbound Fragmented IPv6; 'inbound-tcp-packets-received': Inbound TCP packets received; 'inbound-udp-packets-received': Inbound UDP packets received; 'inbound-icmp-packets-received': Inbound ICMP packets received; 'inbound-other-packets-received': Inbound other packets received; 'inbound-packets-drop': Inbound packets dropped; 'inbound-ipv4-dest-unreachable': Inbound IPv4 destination unreachable; 'inbound-fragment-ipv4': Inbound Fragmented IPv4; 'inbound-tunnel-fragment-ipv6': Inbound Fragmented IPv6 in tunnel; 'vport-matched': Traffic match SLB virtual port; 'unknown-delegated-prefix': Unknown 6rd delegated prefix; 'packet-too-big': Packet too big; 'not-local-ip': Not local IP; 'fragment-error': Fragment processing errors; 'other-error': Other errors;

Type: string

Supported Values: all, outbound-tcp-packets-received, outbound-udp-packets-received, outbound-icmp-packets-received, outbound-other-packets-received, outbound-packets-drop,

outbound-ipv6-dest-unreachable, outbound-fragment-ipv6, inbound-tcp-packets-received, inbound-udp-packets-received, inbound-icmp-packets-received, inbound-other-packets-received, inbound-packets-drop, inbound-ipv4-dest-unreachable, inbound-fragment-ipv4, inbound-tunnel-fragment-ipv6, vport-matched, unknown-delegated-prefix, packet-too-big, not-local-ip, fragment-error, other-error

fragmentation

Specification	
Type	*object*

inbound

Description: inbound is a **JSON Block**. Please see below for *fragmentation_inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *fragmentation_outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd/fragmentation/outbound*

fragmentation_inbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmpv6

Default: send-icmpv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fragmentation_outbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets (default); 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv6, send-icmp, send-icmpv6

Default: ipv6

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv6, send-icmp, send-icmpv6

Default: send-icmp

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.219 cgnv6 sixrd domain

sixrd Domain

domain Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*domain-list*
Collection URI	/axapi/v3/cgnv6/sixrd/domain
Element Name	domain
Element URI	/axapi/v3/cgnv6/sixrd/domain/{name}
Element Attributes	domain_attributes
Statistics Data URI	/axapi/v3/cgnv6/sixrd/domain/{name}/stats
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sixrd/domain

domain attributes

```
POST /axapi/v3/cgnv6/sixrd/domain/
Payload:
{
    "domain": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/sixrd/domain

domain attributes

Get Object

GET

/axapi/v3/cgnv6/sixrd/domain/{name}

domain attributes

```
GET /axapi/v3/cgnv6/sixrd/domain/a
Reponse:
{
    "domain": {
        "name": "a",
        "uuid": "69c99f84-602c-11d9-b769-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/cgnv6/sixrd/domain/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/sixrd/domain

domain-list

Modify Object

POST

/axapi/v3/cgnv6/sixrd/domain/{name}

domain attributes

Replace Object

PUT

/axapi/v3/cgnv6/sixrd/domain/{name}

domain attributes

```
PUT /axapi/v3/cgnv6/sixrd/domain/a
Payload:
{
    "domain": {
        "name": "a",
        "user-tag": "abc"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/sixrd/domain

domain-list

Delete Object

DELETE

/axapi/v3/cgnv6/sixrd/domain/{name}

domain attributes

```
DELETE /axapi/v3/cgnv6/sixrd/domain/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

br-ipv4-address

Description 6rd BR IPv4 address

Type: string

Format: ipv4-address

ce-ipv4-netmask

Description Mask length

Type: string

Format: ipv4-netmask-brief

ce-ipv4-network

Description Customer Edge IPv4 network

Type: string

Format: ipv4-address

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

mtu

Description Tunnel MTU

Type: number

Range: 1280-1480

name

Description 6rd Domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outbound-tcp-packets-received': Outbound TCP packets received; 'outbound-udp-packets-received': Outbound UDP packets received; 'outbound-icmp-packets-received': Outbound ICMP packets received; 'outbound-other-packets-received': Outbound other packets received; 'outbound-packets-drop': Outbound packets dropped; 'outbound-ipv6-dest-unreachable': Outbound IPv6 destination unreachable; 'outbound-fragment-ipv6': Outbound Fragmented IPv6; 'inbound-tcp-packets-received': Inbound TCP packets received; 'inbound-udp-packets-received': Inbound UDP packets received; 'inbound-icmp-packets-received': Inbound ICMP packets received; 'inbound-other-packets-received': Inbound other packets received; 'inbound-packets-drop': Inbound packets dropped; 'inbound-ipv4-dest-unreachable': Inbound IPv4 destination unreachable; 'inbound-fragment-ipv4': Inbound Fragmented IPv4; 'inbound-tunnel-fragment-ipv6': Inbound Fragmented IPv6 in tunnel; 'vport-matched': Traffic match SLB virtual port; 'unknown-delegated-prefix': Unknown 6rd delegated prefix; 'packet-too-big': Packet too big; 'not-local-ip': Not local IP; 'fragment-error': Fragment processing errors; 'other-error': Other errors;

Type: string

Supported Values: all, outbound-tcp-packets-received, outbound-udp-packets-received, outbound-icmp-packets-received, outbound-other-packets-received, outbound-packets-drop, outbound-ipv6-dest-unreachable, outbound-fragment-ipv6, inbound-tcp-packets-received, inbound-udp-packets-received, inbound-icmp-packets-received, inbound-other-packets-received, inbound-packets-drop, inbound-ipv4-dest-unreachable, inbound-fragment-ipv4, inbound-tunnel-fragment-ipv6, vport-matched, unknown-delegated-prefix, packet-too-big, not-local-ip, fragment-error, other-error

stats data

	Counter	Size	Description
	inbound-icmp-packets-received	2	Inbound ICMP packets received
	outbound-tcp-packets-received	2	Outbound TCP packets received
	outbound-icmp-packets-received	2	Outbound ICMP packets received
	vport-matched	2	Traffic match SLB virtual port
	inbound-ipv4-dest-unreachable	2	Inbound IPv4 destination unreachable
	not-local-ip	2	Not local IP
	inbound-packets-drop	2	Inbound packets dropped
	inbound-fragment-ipv4	2	Inbound Fragmented IPv4
	fragment-error	2	Fragment processing errors
	outbound-packets-drop	2	Outbound packets dropped
	outbound-fragment-ipv6	2	Outbound Fragmented IPv6
	outbound-ipv6-dest-unreachable	2	Outbound IPv6 destination unreachable
	inbound-tunnel-fragment-ipv6	2	Inbound Fragmented IPv6 in tunnel
	other-error	2	Other errors
	outbound-udp-packets-received	2	Outbound UDP packets received
	inbound-other-packets-received	2	Inbound other packets received
	inbound-udp-packets-received	2	Inbound UDP packets received
	outbound-other-packets-received	2	Outbound other packets received
	packet-too-big	2	Packet too big
	inbound-tcp-packets-	2	Inbound TCP packets received

2.19.220 cgnv6 sixrd fragmentation

sixrd fragmentation parameters

fragmentation Specification

Type	*Intermediate Resource*
Element Name	fragmentation
Element URI	/axapi/v3/cgnv6/sixrd/fragmentation
Element Attributes	fragmentation_attributes
Schema	`fragmentation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/sixrd/fragmentation

fragmentation_attributes

fragmentation attributes

inbound

Description: inbound is a **JSON Block**. Please see below for *inbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd/fragmentation/inbound*

outbound

Description: outbound is a **JSON Block**. Please see below for *outbound*

Type: Object

Refernce Object: */axapi/v3/cgnv6/sixrd/fragmentation/outbound*

inbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmpv6

Default: send-icmpv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

outbound

Specification	
Type	*object*

action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets (default); 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv6, send-icmp, send-icmpv6

Default: ipv6

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv6, send-icmp, send-icmpv6

Default: send-icmp

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.221 cgnv6 sixrd fragmentation inbound

6rd fragmentation rules for inbound oversize packets (default: send-icmpv6)

inbound Specification

Type	*Configuration Resource*
Element Name	inbound
Element URI	/axapi/v3/cgnv6/sixrd/fragmentation/inbound
Element Attributes	inbound_attributes
Schema	`inbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sixrd/fragmentation/inbound

inbound attributes

```
POST /axapi/v3/cgnv6/sixrd/fragmentation/inbound
Payload:
{
    "inbound": {
        "action": "drop"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/sixrd/fragmentation/inbound

inbound attributes

```
GET /axapi/v3/cgnv6/sixrd/fragmentation/inbound
Reponse:
{
    "inbound": {
        "action": "drop",
        "uuid": "5abef2ea-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/sixrd/fragmentation/inbound"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/sixrd/fragmentation/inbound

inbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/sixrd/fragmentation/inbound

inbound attributes

```
PUT /axapi/v3/cgnv6/sixrd/fragmentation/inbound
Payload:
{
    "inbound": {
        "action": "drop"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/sixrd/fragmentation/inbound

inbound attributes

```
DELETE /axapi/v3/cgnv6/sixrd/fragmentation/inbound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

inbound attributes

action

Description 'drop': Drop Silently; 'ipv4': Use IPv4 fragmentation for oversize packets; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big) (default);

Type: string

Supported Values: drop, ipv4, ipv6, send-icmpv6

Default: send-icmpv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.222 cgnv6 sixrd fragmentation outbound

sixrd fragmentation rules for outbound oversize packets (default: ipv6)

outbound Specification

Type	*Configuration Resource*
Element Name	outbound
Element URI	/axapi/v3/cgnv6/sixrd/fragmentation/outbound
Element Attributes	outbound_attributes
Schema	`outbound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/sixrd/fragmentation/outbound

outbound attributes

```
POST /axapi/v3/cgnv6/sixrd/fragmentation/outbound
Payload:
{
    "outbound": {
        "df-set": "send-icmp",
        "count": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/sixrd/fragmentation/outbound

outbound attributes

```
GET /axapi/v3/cgnv6/sixrd/fragmentation/outbound
Reponse:
{
    "outbound": {
        "df-set": "send-icmp",
        "count": 1,
        "action": "ipv6",
        "uuid": "5abef3bc-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/sixrd/fragmentation/outbound"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/sixrd/fragmentation/outbound

outbound attributes

Replace Object

PUT

/axapi/v3/cgnv6/sixrd/fragmentation/outbound

outbound attributes

```
PUT /axapi/v3/cgnv6/sixrd/fragmentation/outbound
Payload:
{
    "outbound": {
        "df-set": "send-icmpv6",
        "count": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/sixrd/fragmentation/outbound

outbound attributes

```
DELETE /axapi/v3/cgnv6/sixrd/fragmentation/outbound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

outbound attributes

action

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets (default); 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv6, send-icmp, send-icmpv6

Default: ipv6

count

Description Configure number of ICMP messages sent when DF set. Default is 1

Type: number

Range: 1-5

df-set

Description 'drop': Drop Silently; 'ipv6': Use IPv6 Fragmentation for oversize packets; 'send-icmp': Send ICMP Type 3 Code 4 (Fragmentation Needed and DF Set) (default); 'send-icmpv6': Send ICMP Type 2 Code 0 (Packet Too Big);

Type: string

Supported Values: drop, ipv6, send-icmp, send-icmpv6

Default: send-icmp

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.223 cgnv6 stateful-firewall

Stateful Firewall Configuration

stateful-firewall Specification

Type	*Intermediate Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/cgnv6/stateful-firewall
Element Attributes	stateful-firewall_attributes
Schema	`stateful-firewall schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall

stateful-firewall_attributes

stateful-firewall attributes

alg

Description: alg is a **JSON Block**. Please see below for *alg*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg*

endpoint-independent-filtering

Description: endpoint-independent-filtering is a **JSON Block**. Please see below for *endpoint-independent-filtering*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/global*

stun-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/stun-timeout/{port}+{port-end}*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/udp*

vrid

Description: vrid is a **JSON Block**. Please see below for *vrid*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/vrid*

udp

Specification	
Type	*object*

idle-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/{port}+{port-end}*

stun-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/{port}+{port-end}*

udp_stun-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_idle-timeout-list

Specification	
Type	*list*
Block object keys	

fast

Description Fast aging for idle sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and idle-timeout-val-port-range are mutually exclusive

idle-timeout-val-port-range

Description Idle timeout for IPv4 and IPv6 TCP established sessions (Idle timeout for IPv4 and IPv6 TCP established sessions (default: 300 seconds))

Type: number

Range: 60-15000

Default: 300

Mutual Exclusion: idle-timeout-val-port-range and fast are mutually exclusive

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-value

Description Set VRRP-A vrid for stateful firewall (IPv4 and IPv6)

Type: number

Range: 1-31

alg

Specification	
Type	*object*

ftp

Description: ftp is a **JSON Block**. Please see below for *alg_ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/ftp*

pptp

Description: pptp is a **JSON Block**. Please see below for *alg_pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/pptp*

rtp

Description: rtp is a **JSON Block**. Please see below for *alg_rtp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/rtp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *alg_sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *alg_tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/tftp*

alg_ftp

Specification	
Type	*object*

ftp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client-port-request': PORT Requests From Client; 'client-eprt-request': EPRT Requests From Client; 'server-pasv-reply': PASV Replies From Server; 'server-epsv-reply': EPSV Replies From Server; 'port-retransmits': PORT Retransmits; 'pasv-retransmits': PASV Retransmits; 'smp-app-type-mismatch': SMP App Type Mismatch; 'retransmit-sanity-check-failure': Retransmit Sanity Check Failure; 'smp-conn-alloc-failure': SMP Helper Conn Alloc Failure; 'port-helper-created': PORT Helper Created; 'pasv-helper-created': PASV Helper Created; 'port-helper-acquire-in-del-q': PORT Helper Acquire In Del Queue; 'port-helper-acquire-already-used': PORT Helper Acquire Already Used; 'pasv-helper-acquire-in-del-q': PASV Helper Acquire In Del Queue; 'pasv-helper-acquire-already-used': PASV Helper Acquire Already Used; 'port-helper-freed-used': PORT Helper Freed Used; 'port-helper-freed-unused': PORT Helper Freed Unused; 'pasv-helper-freed-used': PASV Helper Freed Used; 'pasv-helper-freed-unused': PASV Helper Freed Unused;

Type: string

Supported Values: all, client-port-request, client-eprt-request, server-pasv-reply, server-epsv-reply, port-retransmits, pasv-retransmits, smp-app-type-mismatch, retransmit-sanity-check-failure, smp-conn-alloc-failure, port-helper-created, pasv-helper-created, port-helper-acquire-in-del-q, port-helper-acquire-already-used, pasv-helper-acquire-in-del-q, pasv-helper-acquire-already-used, port-helper-freed-used, port-helper-freed-unused, pasv-helper-freed-used, pasv-helper-freed-unused

alg_sip

Specification	
Type	*object*

sampling-enable

Type: List

sip-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stat-request': Request Received; 'stat-response': Response Received; 'method-register': Method REGISTER; 'method-invite': Method INVITE; 'method-ack': Method ACK; 'method-cancel': Method CANCEL; 'method-bye': Method BYE; 'method-port-config': Method OPTIONS; 'method-prack': Method PRACK; 'method-subscribe': Method SUBSCRIBE; 'method-notify': Method NOTIFY; 'method-publish': Method PUBLISH; 'method-info': Method INFO; 'method-refer': Method REFER; 'method-message': Method MESSAGE; 'method-update': Method UPDATE; 'method-unknown': Method Unknown; 'parse-error': Message Parse Error; 'keep-alive': Keep Alive; 'contact-error': Contact Process Error; 'sdp-error': SDP Process Error; 'rtp-port-no-op': RTP Port No Op; 'rtp-rtcp-port-success': RTP RTCP Port Success; 'rtp-port-failure': RTP Port Failure; 'rtcp-port-failure': RTCP Port Failure; 'contact-port-no-op': Contact Port No Op; 'contact-port-success': Contact Port Success; 'contact-port-failure': Contact Port Failure; 'contact-new': Contact Alloc; 'contact-alloc-failure': Contact Alloc Failure; 'contact-eim': Contact EIM; 'contact-eim-set': Contact EIM Set; 'rtp-new': RTP Alloc; 'rtp-alloc-failure': RTP Alloc Failure; 'rtp-eim': RTP EIM;

Type: string

Supported Values: all, stat-request, stat-response, method-register, method-invite, method-ack, method-cancel, method-bye, method-port-config, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update,

method-unknown, parse-error, keep-alive, contact-error, sdp-error, rtp-port-no-op, rtp-rtcp-port-success, rtp-port-failure, rtcp-port-failure, contact-port-no-op, contact-port-success, contact-port-failure, contact-new, contact-alloc-failure, contact-eim, contact-eim-set, rtp-new, rtp-alloc-failure, rtp-eim

alg_pptp

Specification	
Type	*object*

pptp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'call-req-pns-call-id-mismatch': Call ID Mismatch on Call Request; 'call-reply-pns-call-id-mismatch': Call ID Mismatch on Call Reply; 'gre-session-created': GRE Session Created; 'gre-session-freed': GRE Session Freed; 'call-req-retransmit': Call Request Retransmit; 'call-req-new': Call Request New; 'call-req-ext-alloc-failure': Call Request Ext Alloc Failure; 'call-reply-call-id-unknown': Call Reply Unknown Client Call ID; 'call-reply-retransmit': Call Reply Retransmit; 'call-reply-ext-ext-alloc-failure': Call Request Ext Alloc Failure; 'smp-app-type-mismatch': SMP App Type Mismatch; 'smp-client-call-id-mismatch': SMP Client Call ID Mismatch; 'smp-sessions-created': SMP Session Created; 'smp-sessions-freed': SMP Session Freed; 'smp-alloc-failure': SMP Session Alloc Failure; 'gre-conn-creation-failure': GRE Conn Alloc Failure; 'gre-conn-ext-creation-failure': GRE Conn Ext Alloc Failure; 'gre-no-fwd-route': GRE No Fwd Route; 'gre-no-rev-route': GRE No Rev Route; 'gre-no-control-conn': GRE No Control Conn; 'gre-conn-already-exists': GRE Conn Already Exists; 'gre-free-no-ext': GRE Free No Ext; 'gre-free-no-smp': GRE Free No SMP; 'gre-free-smp-app-type-mismatch': GRE Free

SMP App Type Mismatch; 'control-freed': Control Session Freed; 'control-free-no-ext': Control Free No Ext; 'control-free-no-smp': Control Free No SMP; 'control-free-smp-app-type-mismatch': Control Free SMP App Type Mismatch;

Type: string

Supported Values: all, calls-established, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, gre-session-created, gre-session-freed, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-ext-ext-alloc-failure, smp-app-type-mismatch, smp-client-call-id-mismatch, smp-sessions-created, smp-sessions-freed, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

alg_rtsp

Specification	
Type	*object*

rtsp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'transport-inserted': Transport Created; 'transport-freed': Transport Freed; 'transport-alloc-failure': Transport Alloc Failure; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'ext-creation-failure': Extension Creation Failure; 'transport-add-to-ext': Transport Added to Extension; 'transport-removed-from-ext': Transport Removed from Extension; 'transport-too-many': Too Many Transports for Control

Conn; 'transport-already-in-ext': Transport Already in Extension; 'transport-exists': Transport Already Exists; 'transport-link-ext-failure-control': Transport Link to Extension Failure Control; 'transport-link-ext-data': Transport Link to Extension Data; 'transport-link-ext-failure-data': Transport Link to Extension Failure Data; 'transport-inserted-shadow': Transport Inserted Shadow; 'transport-creation-race': Transport Create Race; 'transport-alloc-failure-shadow': Transport Alloc Failure Shadow; 'transport-put-in-del-q': Transport Put in Delete Queue; 'transport-freed-shadow': Transport Freed Shadow; 'transport-acquired-from-control': Transport Acquired Control; 'transport-found-from-prev-control': Transport Found From Prev Control; 'transport-acquire-failure-from-control': Transport Acquire Failure Control; 'transport-released-from-control': Transport Released Control; 'transport-double-release-from-control': Transport Double Release Control; 'transport-acquired-from-data': Transport Acquired Data; 'transport-acquire-failure-from-data': Transport Acquire Failure Data; 'transport-released-from-data': Transport Released Data; 'transport-double-release-from-data': Transport Double Release Data; 'transport-retry-lookup-on-data-free': Transport Retry Lookup Data; 'transport-not-found-on-data-free': Transport Not Found Data; 'data-session-created-shadow': Data Session Created Shadow; 'data-session-freed-shadow': Data Session Freed Shadow; 'ha-control-ext-creation-failure': HA Control Extension Creation Failure; 'ha-control-session-created': HA Control Session Created; 'ha-data-session-created': HA Data Session Created;

Type: string

Supported Values: all, transport-inserted, transport-freed, transport-alloc-failure, data-session-created, data-session-freed, ext-creation-failure, transport-add-to-ext, transport-removed-from-ext, transport-too-many, transport-already-in-ext, transport-exists, transport-link-ext-failure-control, transport-link-ext-data, transport-link-ext-failure-data, transport-inserted-shadow, transport-creation-race, transport-alloc-failure-shadow, transport-put-in-del-q, transport-freed-shadow, transport-acquired-from-control, transport-found-from-prev-control, transport-acquire-failure-from-control, transport-released-from-control, transport-double-release-from-control, transport-acquired-from-data, transport-acquire-failure-from-data, transport-released-from-data, transport-double-release-from-data, transport-retry-lookup-on-data-free, transport-not-found-on-data-free, data-session-created-shadow, data-session-freed-shadow, ha-control-ext-creation-failure, ha-control-session-created, ha-data-session-created

alg_rtp

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout (default: 5 minutes)}

Type: number

Range: 2-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp

Specification	
Type	*object*

sampling-enable

Type: List

tftp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': Session created; 'filler2': Filler2;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

global

Specification	
Type	*object*

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

stateful-firewall-value

Description 'enable': Enable stateful firewall;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp_packet_process': TCP Packet Process; 'udp_packet_process': UDP Packet Process; 'other_packet_process': Other Packet Process; 'packet_inbound_deny': Inbound Packet Denied; 'packet_process_failure': Packet Error Drop; 'outbound_session_created': Outbound Session Created; 'outbound_session_freed': Outbound Session Freed; 'inbound_session_created': Inbound Session Created; 'inbound_session_freed': Inbound Session Freed; 'tcp_session_created': TCP Session Created; 'tcp_session_freed': TCP Session Freed; 'udp_session_created': UDP Session Created; 'udp_session_freed': UDP Session Freed; 'other_session_created': Other Session Created; 'other_session_freed': Other Session Freed; 'session_creation_failure': Session Creation Failure; 'no_fwd_route': No Forward Route; 'no_rev_route': No Reverse Route; 'packet_standby_drop': Standby Drop; 'tcp_fullcone_created': TCP Full-cone Created; 'tcp_fullcone_freed': TCP Full-cone Freed; 'udp_fullcone_created': UDP Full-cone Created; 'udp_fullcone_freed': UDP Full-cone Freed; 'fullcone_creation_failure': Full-Cone Creation Failure; 'eif_process': Endpnt-Independent Filter Matched; 'one_arm_drop': One-Arm Drop; 'no_class_list_match': No Class-List Match Drop; 'outbound_session_created_shadow': Outbound Session Created Shadow; 'outbound_session_freed_shadow': Outbound Session Freed Shadow; 'inbound_session_created_shadow': Inbound Session Created Shadow; 'inbound_session_freed_shadow': Inbound Session Freed Shadow; 'tcp_session_created_shadow': TCP Session Created Shadow; 'tcp_session_freed_shadow': TCP Session Freed Shadow; 'udp_session_created_shadow': UDP Session Created Shadow; 'udp_session_freed_shadow': UDP Session Freed Shadow; 'other_session_created_shadow': Other Session Created Shadow; 'other_session_freed_shadow': Other Session Freed Shadow; 'session_creation_failure_shadow': Session Creation Failure Shadow; 'bad_session_freed': Bad Session Proto on Free; 'ctl_mem_alloc':

Memory Alloc; 'ctl_mem_free': Memory Free; 'tcp_fullcone_created_shadow': TCP Full-cone Created Shadow; 'tcp_fullcone_freed_shadow': TCP Full-cone Freed Shadow; 'udp_fullcone_created_shadow': UDP Full-cone Created Shadow; 'udp_fullcone_freed_shadow': UDP Full-cone Freed Shadow; 'fullcone_in_del_q': Full-cone Found in Delete Queue; 'fullcone_overflow_eim': EIM Overflow; 'fullcone_overflow_eif': EIF Overflow; 'fullcone_free_found': Full-cone Free Found From Conn; 'fullcone_free_retry_lookup': Full-cone Retry Look-up; 'fullcone_free_not_found': Full-cone Free Not Found; 'eif_limit_exceeded': EIF Limit Exceeded; 'eif_disable_drop': EIF Disable Drop; 'eif_process_failure': EIF Process Failure; 'eif_filtered': EIF Filtered; 'ha_standby_session_created': HA Standby Session Created; 'ha_standby_session_eim': HA Standby Session EIM; 'ha_standby_session_eif': HA Standby Session EIF;

Type: string

Supported Values: all, tcp_packet_process, udp_packet_process, other_packet_process, packet_inbound_deny, packet_process_failure, outbound_session_created, outbound_session_freed, inbound_session_created, inbound_session_freed, tcp_session_created, tcp_session_freed, udp_session_created, udp_session_freed, other_session_created, other_session_freed, session_creation_failure, no_fwd_route, no_rev_route, packet_standby_drop, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_creation_failure, eif_process, one_arm_drop, no_class_list_match, outbound_session_created_shadow, outbound_session_freed_shadow, inbound_session_created_shadow, inbound_session_freed_shadow, tcp_session_created_shadow, tcp_session_freed_shadow, udp_session_created_shadow, udp_session_freed_shadow, other_session_created_shadow, other_session_freed_shadow, session_creation_failure_shadow, bad_session_freed, ctl_mem_alloc, ctl_mem_free, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, fullcone_in_del_q, fullcone_overflow_eim, fullcone_overflow_eif, fullcone_free_found, fullcone_free_retry_lookup, fullcone_free_not_found, eif_limit_exceeded, eif_disable_drop, eif_process_failure, eif_filtered, ha_standby_session_created, ha_standby_session_eim, ha_standby_session_eif

tcp

Specification	
Type	*object*

idle-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/{port}+{port-end}*

stun-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/{port}+{port-end}*

syn-timeout

Description: syn-timeout is a **JSON Block**. Please see below for *tcp_syn-timeout*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout*

tcp_stun-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_syn-timeout

Specification	
Type	*object*

syn-timeout-val

Description Set Seconds session can remain in half-open state before being deleted (default: 4 seconds)

Type: number

Range: 2-30

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_idle-timeout-list

Specification	
Type	*list*
Block object keys	

idle-timeout-val-port-range

Description Set Idle timeout for IPv4 and IPv6 TCP established sessions (Idle timeout for IPv4 and IPv6 TCP established sessions (default: 300 seconds))

Type: number

Range: 60-15000

Default: 300

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stun-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

endpoint-independent-filtering

Specification	
Type	*object*

tcp

Description: tcp is a **JSON Block**. Please see below for *endpoint-independent-filtering_tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *endpoint-independent-filtering_udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp*

endpoint-independent-filtering_udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

endpoint-independent-filtering_udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

endpoint-independent-filtering_tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

endpoint-independent-filtering_tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.224 cgnv6 stateful-firewall alg

Configure ALGs for stateful firewall

alg Specification

Type	*Intermediate Resource*
Element Name	alg
Element URI	/axapi/v3/cgnv6/stateful-firewall/alg
Element Attributes	alg_attributes
Schema	`alg schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/alg

alg_attributes

alg attributes

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/ftp*

pptp

Description: pptp is a **JSON Block**. Please see below for *pptp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/pptp*

rtp

Description: rtp is a **JSON Block**. Please see below for *rtp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/rtp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *rtsp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *tftp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/alg/tftp*

ftp

Specification	
Type	*object*

ftp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client-port-request': PORT Requests From Client; 'client-eprt-request': EPRT Requests From Client; 'server-pasv-reply': PASV Replies From Server; 'server-epsv-reply': EPSV Replies From Server; 'port-retransmits': PORT Retransmits; 'pasv-retransmits': PASV Retransmits; 'smp-app-type-mismatch': SMP App Type Mismatch; 'retransmit-sanity-check-failure': Retransmit Sanity Check Failure; 'smp-conn-alloc-failure': SMP Helper Conn Alloc Failure; 'port-helper-created': PORT Helper Created; 'pasv-helper-created': PASV Helper Created; 'port-helper-acquire-in-del-q': PORT Helper Acquire In Del Queue; 'port-helper-acquire-already-used': PORT Helper Acquire Already Used; 'pasv-helper-acquire-in-del-q': PASV Helper Acquire In Del Queue; 'pasv-helper-acquire-already-used': PASV Helper Acquire Already Used; 'port-helper-freed-used': PORT Helper Freed Used; 'port-helper-freed-unused': PORT Helper Freed Unused; 'pasv-helper-freed-used': PASV Helper Freed Used; 'pasv-helper-freed-unused': PASV Helper Freed Unused;

Type: string

Supported Values: all, client-port-request, client-eprt-request, server-pasv-reply, server-epsv-reply, port-retransmits, pasv-retransmits, smp-app-type-mismatch, retransmit-sanity-check-failure, smp-conn-alloc-failure, port-helper-created, pasv-helper-created, port-helper-acquire-in-del-q, port-helper-acquire-already-used, pasv-helper-acquire-in-del-q, pasv-helper-acquire-already-used, port-helper-freed-used, port-helper-freed-unused, pasv-helper-freed-used, pasv-helper-freed-unused

sip

Specification	
Type	*object*

sampling-enable

Type: List

sip-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stat-request': Request Received; 'stat-response': Response Received; 'method-register': Method REGISTER; 'method-invite': Method INVITE; 'method-ack': Method ACK; 'method-cancel': Method CANCEL; 'method-bye': Method BYE; 'method-port-config': Method OPTIONS; 'method-prack': Method PRACK; 'method-subscribe': Method SUBSCRIBE; 'method-notify': Method NOTIFY; 'method-publish': Method PUBLISH; 'method-info': Method INFO; 'method-refer': Method REFER; 'method-message': Method MESSAGE; 'method-update': Method UPDATE; 'method-unknown': Method Unknown; 'parse-error': Message Parse Error; 'keep-alive': Keep Alive; 'contact-error': Contact Process Error; 'sdp-error': SDP Process Error; 'rtp-port-no-op': RTP Port No Op; 'rtp-rtcp-port-success': RTP RTCP Port Success; 'rtp-port-failure': RTP Port Failure; 'rtcp-port-failure': RTCP Port Failure; 'contact-port-no-op': Contact Port No Op; 'contact-port-success': Contact Port Success; 'contact-port-failure': Contact Port Failure; 'contact-new': Contact Alloc; 'contact-alloc-failure': Contact Alloc Failure; 'contact-eim': Contact EIM; 'contact-eim-set': Contact EIM Set; 'rtp-new': RTP Alloc; 'rtp-alloc-failure': RTP Alloc Failure; 'rtp-eim': RTP EIM;

Type: string

Supported Values: all, stat-request, stat-response, method-register, method-invite, method-ack, method-cancel, method-bye, method-port-config, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, keep-alive, contact-error, sdp-error, rtp-port-no-op, rtp-rtcp-port-success, rtp-port-failure, rtcp-port-failure, contact-port-no-op, contact-port-success, contact-port-failure, contact-new, contact-alloc-failure, contact-eim, contact-eim-set, rtp-new, rtp-alloc-failure, rtp-eim

pptp

Specification	
Type	*object*

pptp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'call-req-pns-call-id-mismatch': Call ID Mismatch on Call Request; 'call-reply-pns-call-id-mismatch': Call ID Mismatch on Call Reply; 'gre-session-created': GRE Session Created; 'gre-session-freed': GRE Session Freed; 'call-req-retransmit': Call Request Retransmit; 'call-req-new': Call Request New; 'call-req-ext-alloc-failure': Call Request Ext Alloc Failure; 'call-reply-call-id-unknown': Call Reply Unknown Client Call ID; 'call-reply-retransmit': Call Reply Retransmit; 'call-reply-ext-ext-alloc-failure': Call Request Ext Alloc Failure; 'smp-app-type-mismatch': SMP App Type Mismatch; 'smp-client-call-id-mismatch': SMP Client Call ID Mismatch; 'smp-sessions-created': SMP Session Created; 'smp-sessions-freed': SMP Session Freed; 'smp-alloc-failure': SMP Session Alloc Failure; 'gre-conn-creation-failure': GRE Conn Alloc Failure; 'gre-conn-ext-creation-failure': GRE Conn Ext Alloc Failure; 'gre-no-fwd-route': GRE No Fwd Route; 'gre-no-rev-route': GRE No Rev Route; 'gre-no-control-conn': GRE No Control Conn; 'gre-conn-already-exists': GRE Conn Already Exists; 'gre-free-no-ext': GRE Free No Ext; 'gre-free-no-smp': GRE Free No SMP; 'gre-free-smp-app-type-mismatch': GRE Free SMP App Type Mismatch; 'control-freed': Control Session Freed; 'control-free-no-ext': Control Free No Ext; 'control-free-no-smp': Control Free No SMP; 'control-free-smp-app-type-mismatch': Control Free SMP App Type Mismatch;

Type: string

Supported Values: all, calls-established, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, gre-session-created, gre-session-freed, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-ext-ext-alloc-failure, smp-app-type-mismatch, smp-client-call-id-mismatch, smp-sessions-created, smp-sessions-freed, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

rtsp

Specification	
Type	*object*

rtsp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'transport-inserted': Transport Created; 'transport-freed': Transport Freed; 'transport-alloc-failure': Transport Alloc Failure; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'ext-creation-failure': Extension Creation Failure; 'transport-add-to-ext': Transport Added to Extension; 'transport-removed-from-ext': Transport Removed from Extension; 'transport-too-many': Too Many Transports for Control Conn; 'transport-already-in-ext': Transport Already in Extension; 'transport-exists': Transport Already Exists; 'transport-link-ext-failure-control': Transport Link to Extension Failure Control; 'transport-link-ext-data': Transport Link to Extension Data; 'transport-link-ext-failure-data': Transport Link to Extension Failure Data; 'transport-inserted-shadow': Transport Inserted Shadow; 'transport-creation-race': Transport Create Race; 'transport-alloc-failure-shadow': Transport Alloc Failure Shadow; 'transport-put-in-del-q': Transport Put in Delete Queue; 'transport-freed-shadow': Transport Freed Shadow; 'transport-acquired-from-control': Transport Acquired Control; 'transport-found-from-prev-control': Transport Found From Prev Control; 'transport-acquire-failure-from-control': Transport Acquire Failure Control; 'transport-released-from-control': Transport Released Control; 'transport-double-release-from-control': Transport Double Release Control; 'transport-acquired-from-data': Transport Acquired Data; 'transport-acquire-failure-from-data': Transport Acquire Failure Data; 'transport-released-from-data': Transport Released Data; 'transport-double-release-from-data': Transport Double Release Data; 'transport-retry-lookup-on-data-free': Transport Retry Lookup Data; 'transport-not-found-on-data-free': Transport Not Found Data; 'data-session-created-shadow': Data Session Created Shadow; 'data-session-freed-shadow': Data Session Freed Shadow; 'ha-control-ext-creation-failure': HA Control Extension Creation Failure; 'ha-control-session-created': HA Control Session Created; 'ha-data-session-created': HA Data Session Created;

Type: string

Supported Values: all, transport-inserted, transport-freed, transport-alloc-failure, data-session-created, data-session-freed, ext-creation-failure, transport-add-to-ext, transport-removed-from-ext, transport-too-many, transport-already-in-ext, transport-exists, transport-link-ext-failure-control, transport-link-ext-data, transport-link-ext-failure-data, transport-inserted-shadow, transport-creation-race, transport-alloc-failure-shadow, transport-put-in-del-q, transport-freed-shadow, transport-acquired-from-control, transport-found-from-prev-control, transport-acquire-failure-from-control, transport-released-from-control,

transport-double-release-from-control, transport-acquired-from-data, transport-acquire-failure-from-data, transport-released-from-data, transport-double-release-from-data, transport-retry-lookup-on-data-free, transport-not-found-on-data-free, data-session-created-shadow, data-session-freed-shadow, ha-control-ext-creation-failure, ha-control-session-created, ha-data-session-created

rtp

Specification	
Type	*object*

rtp-stun-timeout

Description RTP/RTCP STUN timeout (default: 5 minutes)}

Type: number

Range: 2-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp

Specification	
Type	*object*

sampling-enable

Type: List

tftp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': Session created; 'filler2': Filler2;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

2.19.225 cgnv6 stateful-firewall alg ftp

Configure FTP ALG for NAT stateful firewall (default: enabled)

ftp Specification

Type	*Configuration Resource*
Element Name	ftp
Element URI	/axapi/v3/cgnv6/stateful-firewall/alg/ftp
Element Attributes	ftp_attributes
Statistics Data URI	/axapi/v3/cgnv6/stateful-firewall/alg/ftp/stats
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/ftp

ftp attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/alg/ftp
Payload:
{
    "ftp": {
        "ftp-value": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/alg/ftp

ftp attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/alg/ftp
Reponse:
{
    "ftp": {
        "ftp-value": "disable",
        "uuid": "5abefc04-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/alg/ftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/ftp

ftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/alg/ftp

ftp attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/alg/ftp
Payload:
{
    "ftp": {
        "ftp-value": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/alg/ftp

ftp attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/alg/ftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp attributes

ftp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client-port-request': PORT Requests From Client; 'client-eprt-request': EPRT Requests From Client; 'server-pasv-reply': PASV Replies From Server; 'server-epsv-reply': EPSV Replies From Server; 'port-retransmits': PORT Retransmits; 'pasv-retransmits': PASV Retransmits; 'smp-app-type-mismatch': SMP App Type Mismatch; 'retransmit-sanity-check-failure': Retransmit Sanity Check Failure; 'smp-conn-alloc-failure': SMP Helper Conn Alloc Failure; 'port-helper-created': PORT Helper Created; 'pasv-helper-created': PASV Helper Created; 'port-helper-acquire-in-del-q': PORT Helper Acquire In Del Queue; 'port-helper-acquire-already-used': PORT Helper Acquire Already Used; 'pasv-helper-acquire-in-del-q': PASV Helper Acquire In Del Queue; 'pasv-helper-acquire-already-used': PASV Helper Acquire Already Used; 'port-helper-freed-used': PORT Helper Freed Used; 'port-helper-freed-unused': PORT Helper Freed Unused; 'pasv-helper-freed-used': PASV Helper Freed Used; 'pasv-helper-freed-unused': PASV Helper Freed Unused;

Type: string

Supported Values: all, client-port-request, client-eprt-request, server-pasv-reply, server-epsv-reply, port-retransmits, pasv-retransmits, smp-app-type-mismatch, retransmit-sanity-check-failure, smp-conn-alloc-failure, port-helper-created, pasv-helper-created, port-helper-acquire-in-del-q, port-helper-acquire-already-used, pasv-helper-acquire-in-del-q, pasv-helper-acquire-already-used, port-helper-freed-used, port-helper-freed-unused, pasv-helper-freed-used, pasv-helper-freed-unused

stats data

	Counter	Size	Description
	client-eprt-request	8	EPRT Requests From Client
	server-epsv-reply	8	EPSV Replies From Server
	client-port-request	8	PORT Requests From Client
	server-pasv-reply	8	PASV Replies From Server

2.19.226 cgnv6 stateful-firewall alg pptp

Configure PPTP ALG for NAT stateful firewall (default: enabled)

pptp Specification

Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/cgnv6/stateful-firewall/alg/pptp
Element Attributes	pptp_attributes
Statistics Data URI	/axapi/v3/cgnv6/stateful-firewall/alg/pptp/stats
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/pptp

pptp attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/alg/pptp
Payload:
{
    "pptp": {
        "pptp-value": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/alg/pptp

pptp attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/alg/pptp
Reponse:
{
    "pptp": {
        "pptp-value": "disable",
        "uuid": "5abefccc-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/alg/pptp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/pptp

pptp attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/alg/pptp

pptp attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/alg/pptp
Payload:
{
    "pptp": {
        "pptp-value": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/alg/pptp

pptp attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/alg/pptp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pptp attributes

pptp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'call-req-pns-call-id-mismatch': Call ID Mismatch on Call Request; 'call-reply-pns-call-id-mismatch': Call ID Mismatch on Call Reply; 'gre-session-created': GRE Session Created; 'gre-session-freed': GRE Session Freed; 'call-req-retransmit': Call Request Retransmit; 'call-req-new': Call Request New; 'call-req-ext-alloc-failure': Call Request Ext Alloc Failure; 'call-reply-call-id-unknown': Call Reply Unknown Client Call ID; 'call-reply-retransmit': Call Reply Retransmit; 'call-reply-ext-ext-alloc-failure': Call Request Ext Alloc Failure; 'smp-app-type-mismatch': SMP App Type Mismatch; 'smp-client-call-id-mismatch': SMP Client Call ID Mismatch; 'smp-sessions-created': SMP Session Created; 'smp-sessions-freed': SMP Session Freed; 'smp-alloc-failure': SMP Session Alloc Failure; 'gre-conn-creation-failure': GRE Conn Alloc Failure; 'gre-conn-ext-creation-failure': GRE Conn Ext Alloc Failure; 'gre-no-fwd-route': GRE No Fwd Route; 'gre-no-rev-route': GRE No Rev Route; 'gre-no-control-conn': GRE No Control Conn; 'gre-conn-already-exists': GRE Conn Already Exists; 'gre-free-no-ext': GRE Free No Ext; 'gre-free-no-smp': GRE Free No SMP; 'gre-free-smp-app-type-mismatch': GRE Free SMP App Type Mismatch; 'control-freed': Control Session Freed; 'control-free-no-ext': Control Free No Ext; 'control-free-no-smp': Control Free No SMP; 'control-free-smp-app-type-mismatch': Control Free SMP App Type Mismatch;

Type: string

Supported Values: all, calls-established, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, gre-session-created, gre-session-freed, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-ext-ext-alloc-failure, smp-app-type-mismatch, smp-client-call-id-mismatch, smp-sessions-created, smp-sessions-freed, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-

exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

stats data

	Counter	Size	Description
	call-req-pns-call-id-mismatch	8	Call ID Mismatch on Call Request
	gre-session-created	8	GRE Session Created
	gre-session-freed	8	GRE Session Freed
	call-reply-pns-call-id-mismatch	8	Call ID Mismatch on Call Reply
	calls-established	8	Calls Established

2.19.227 cgnv6 stateful-firewall alg rtp

Configure FTP ALG for NAT stateful firewall (default: enabled)

rtp Specification

Type	*Configuration Resource*
Element Name	rtp
Element URI	/axapi/v3/cgnv6/stateful-firewall/alg/rtp
Element Attributes	rtp_attributes
Schema	`rtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/rtp

rtp attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/alg/rtp
Payload:
{
    "rtp": {
        "rtp-stun-timeout": 2
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/alg/rtp

rtp attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/alg/rtp
Reponse:
{
    "rtp": {
        "rtp-stun-timeout": 2,
        "uuid": "5abf7ef4-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/alg/rtp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/rtp

rtp attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/alg/rtp

rtp attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/alg/rtp
Payload:
{
    "rtp": {
        "rtp-stun-timeout": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/alg/rtp

rtp attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/alg/rtp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rtp attributes

rtp-stun-timeout

Description RTP/RTCP STUN timeout (default: 5 minutes)}

Type: number

Range: 2-10

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.228 cgnv6 stateful-firewall alg rtsp

Configure RTSP ALG for NAT stateful firewall (default: enabled)

rtsp Specification

Type	*Configuration Resource*
Element Name	rtsp
Element URI	/axapi/v3/cgnv6/stateful-firewall/alg/rtsp
Element Attributes	rtsp_attributes
Statistics Data URI	/axapi/v3/cgnv6/stateful-firewall/alg/rtsp/stats
Schema	`rtsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/rtsp

rtsp attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/alg/rtsp
Payload:
{
    "rtsp": {
        "rtsp-value": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/alg/rtsp

rtsp attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/alg/rtsp
Reponse:
{
    "rtsp": {
        "rtsp-value": "disable",
        "uuid": "5abf8002-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/alg/rtsp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/rtsp

rtsp attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/alg/rtsp

rtsp attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/alg/rtsp
Payload:
{
    "rtsp": {
        "rtsp-value": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/alg/rtsp

rtsp attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/alg/rtsp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rtsp attributes

rtsp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'transport-inserted': Transport Created; 'transport-freed': Transport Freed; 'transport-alloc-failure': Transport Alloc Failure; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'ext-creation-failure': Extension Creation Failure; 'transport-add-to-ext': Transport Added to Extension; 'transport-removed-from-ext': Transport Removed from Extension; 'transport-too-many': Too Many Transports for Control Conn; 'transport-already-in-ext': Transport Already in Extension; 'transport-exists': Transport Already Exists; 'transport-link-ext-failure-control': Transport Link to Extension Failure Control; 'transport-link-ext-data': Transport Link to Extension Data; 'transport-link-ext-failure-data': Transport Link to Extension Failure Data; 'transport-inserted-shadow': Transport Inserted Shadow; 'transport-creation-race': Transport Create Race; 'transport-alloc-failure-shadow': Transport Alloc Failure Shadow; 'transport-put-in-del-q': Transport Put in Delete Queue; 'transport-freed-shadow': Transport Freed Shadow; 'transport-acquired-from-control': Transport Acquired Control; 'transport-found-from-prev-control': Transport Found From Prev Control; 'transport-acquire-failure-from-control': Transport Acquire Failure Control; 'transport-released-from-control': Transport Released Control; 'transport-double-release-from-control': Transport Double Release Control; 'transport-acquired-from-data': Transport Acquired Data; 'transport-acquire-failure-from-data': Transport Acquire Failure Data; 'transport-released-from-data': Transport Released Data; 'transport-double-release-from-data': Transport Double Release Data; 'transport-retry-lookup-on-data-free': Transport Retry Lookup Data; 'transport-not-found-on-data-free': Transport Not Found Data; 'data-session-created-shadow': Data Session Created Shadow; 'data-session-freed-shadow': Data Session Freed Shadow; 'ha-control-ext-creation-failure': HA Control Extension Creation Failure; 'ha-control-session-created': HA Control Session Created; 'ha-data-session-created': HA Data Session Created;

Type: string

Supported Values: all, transport-inserted, transport-freed, transport-alloc-failure, data-session-created, data-session-freed, ext-creation-failure, transport-add-to-ext, transport-removed-from-ext, transport-too-many, transport-already-in-ext, transport-exists, transport-link-ext-failure-control, transport-link-ext-data, transport-link-ext-failure-data, transport-inserted-shadow, transport-creation-race, transport-alloc-failure-shadow, transport-put-in-del-q, transport-freed-shadow, transport-acquired-from-control, transport-found-from-prev-control, transport-acquire-failure-from-control, transport-released-from-control, transport-double-release-from-control, transport-acquired-from-data, transport-acquire-failure-from-data, transport-released-from-data, transport-double-release-from-data, transport-retry-lookup-on-data-free, transport-not-found-on-data-free, data-session-created-shadow, data-session-freed-shadow, ha-control-ext-creation-failure, ha-control-session-created, ha-data-session-created

stats data

	Counter	Size	Description
	data-session-created	8	Data Session Created
	transport-alloc-failure	8	Transport Alloc Failure
	data-session-freed	8	Data Session Freed
	transport-freed	8	Transport Freed
	transport-inserted	8	Transport Created

2.19.229 cgnv6 stateful-firewall alg sip

Configure SIP ALG for NAT stateful firewall (default: enabled)

sip Specification

Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/cgnv6/stateful-firewall/alg/sip
Element Attributes	sip_attributes
Statistics Data URI	/axapi/v3/cgnv6/stateful-firewall/alg/sip/stats
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/sip

sip attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/alg/sip
Payload:
{
    "sip": {
        "sip-value": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/alg/sip

sip attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/alg/sip
Reponse:
{
    "sip": {
        "sip-value": "disable",
        "uuid": "5abf80d4-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/alg/sip"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/sip

sip attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/alg/sip

sip attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/alg/sip
Payload:
{
    "sip": {
        "sip-value": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/alg/sip

sip attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/alg/sip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip attributes

sampling-enable

Type: List

sip-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stat-request': Request Received; 'stat-response': Response Received; 'method-register': Method REGISTER; 'method-invite': Method INVITE; 'method-ack': Method ACK; 'method-cancel': Method CANCEL; 'method-bye': Method BYE; 'method-port-config': Method OPTIONS; 'method-prack': Method PRACK; 'method-subscribe': Method SUBSCRIBE; 'method-notify': Method NOTIFY; 'method-publish': Method PUBLISH; 'method-info': Method INFO; 'method-refer': Method REFER; 'method-message': Method MESSAGE; 'method-update': Method UPDATE; 'method-unknown': Method Unknown; 'parse-error': Message Parse Error; 'keep-alive': Keep Alive; 'contact-error': Contact Process Error; 'sdp-error': SDP Process Error; 'rtp-port-no-op': RTP Port No Op; 'rtp-rtcp-port-success': RTP RTCP Port Success; 'rtp-port-failure': RTP Port Failure; 'rtcp-port-failure': RTCP Port Failure; 'contact-port-no-op': Contact Port No Op; 'contact-port-success': Contact Port Success; 'contact-port-failure': Contact Port Failure; 'contact-new': Contact Alloc; 'contact-alloc-failure': Contact Alloc Failure; 'contact-eim': Contact EIM; 'contact-eim-set': Contact EIM Set; 'rtp-new': RTP Alloc; 'rtp-alloc-failure': RTP Alloc Failure; 'rtp-eim': RTP EIM;

Type: string

Supported Values: all, stat-request, stat-response, method-register, method-invite, method-ack, method-cancel, method-bye, method-port-config, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, keep-alive, contact-error, sdp-error, rtp-port-no-op, rtp-rtcp-port-success, rtp-port-failure, rtcp-port-failure, contact-port-no-op, contact-port-success, contact-port-failure, contact-new, contact-alloc-failure, contact-eim, contact-eim-set, rtp-new, rtp-alloc-failure, rtp-eim

stats data

	Counter	Size	Description
	method-info	8	Method INFO
	stat-request	8	Request Received
	method-publish	8	Method PUBLISH
	method-unknown	8	Method Unknown
	method-message	8	Method MESSAGE
	method-subscribe	8	Method SUBSCRIBE
	method-invite	8	Method INVITE
	method-register	8	Method REGISTER
	method-prack	8	Method PRACK
	method-port-config	8	Method OPTIONS
	method-notify	8	Method NOTIFY
	method-ack	8	Method ACK
	method-refer	8	Method REFER
	stat-response	8	Response Received
	method-update	8	Method UPDATE
	method-bye	8	Method BYE
	method-cancel	8	Method CANCEL

2.19.230 cgnv6 stateful-firewall alg tftp

Configure TFTP ALG for NAT stateful firewall (default: enabled)

tftp Specification

Type	*Configuration Resource*
Element Name	tftp
Element URI	/axapi/v3/cgnv6/stateful-firewall/alg/tftp
Element Attributes	tftp_attributes
Statistics Data URI	/axapi/v3/cgnv6/stateful-firewall/alg/tftp/stats
Schema	`tftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/tftp

tftp attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/alg/tftp
Payload:
{
    "tftp": {
        "tftp-value": "disable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/alg/tftp

tftp attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/alg/tftp
Reponse:
{
    "tftp": {
        "tftp-value": "disable",
        "uuid": "5abf8192-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/alg/tftp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/alg/tftp

tftp attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/alg/tftp

tftp attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/alg/tftp
Payload:
{
    "tftp": {
        "tftp-value": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/alg/tftp

tftp attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/alg/tftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tftp attributes

sampling-enable

Type: List

tftp-value

Description 'disable': Disable ALG;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': Session created; 'filler2': Filler2;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

stats data

	Counter	Size	Description
	session-created	8	TFTP Client Sessions created

2.19.231 cgnv6 stateful-firewall endpoint-independent-filtering

Configure Endpoint-Independent-Filtering Behavior

endpoint-independent-filtering Specification

Type	*Intermediate Resource*
Element Name	endpoint-independent-filtering
Element URI	/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering
Element Attributes	endpoint-independent-filtering_attributes
Schema	`endpoint-independent-filtering schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering

endpoint-independent-filtering_attributes

endpoint-independent-filtering attributes

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp*

udp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

tcp

Specification	
Type	*object*

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.232 cgnv6 stateful-firewall endpoint-independent-filtering tcp

Set endpoint-independent filtering for TCP only

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp

tcp attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp
Payload:
{
    "tcp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp

tcp attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp
Reponse:
{
    "tcp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ],
        "uuid": "38907856-602d-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/
↪tcp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp

tcp attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp
Payload:
{
    "tcp": {
        "port-list": [
            {
                "port": 2,
                "port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp

tcp attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/tcp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp attributes

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.233 cgnv6 stateful-firewall endpoint-independent-filtering udp

Set endpoint-independent filtering for UDP only

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp

udp attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp
Payload:
{
    "udp": {
        "port-list": [
            {
                "port": 1,
                "port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp

udp attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp
Reponse:
{
    "udp": {
        "port-list": [
```

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```
            {
                "port": 1,
                "port-end": 1
            }
        ],
        "uuid": "48751ad8-602d-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/
↪udp"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp

udp attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp

udp attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp
Payload:
{
    "udp": {
        "port-list": [
            {
                "port": 2,
                "port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp

udp attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/endpoint-independent-filtering/udp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

udp attributes

port-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

port-end

Description Port Range End

Type: number

2.19.234 cgnv6 stateful-firewall global

Stateful Firewall Configuration (default:disabled)

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/cgnv6/stateful-firewall/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/cgnv6/stateful-firewall/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/global

global attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/global
Payload:
{
    "global": {
        "stateful-firewall-value": "enable"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/global

global attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/global
Reponse:
{
    "global": {
        "stateful-firewall-value": "enable",
        "respond-to-user-mac": 0,
        "uuid": "5abefb0a-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/global"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/global

global attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/global

global attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/global
Payload:
{
    "global": {
        "stateful-firewall-value": "enable"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/global

global attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

stateful-firewall-value

Description 'enable': Enable stateful firewall;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp_packet_process': TCP Packet Process; 'udp_packet_process': UDP Packet Process; 'other_packet_process': Other Packet Process; 'packet_inbound_deny': Inbound Packet Denied; 'packet_process_failure': Packet Error Drop; 'outbound_session_created': Outbound Session Created; 'outbound_session_freed': Outbound Session Freed; 'inbound_session_created': Inbound Session Created; 'inbound_session_freed': Inbound Session Freed; 'tcp_session_created': TCP Session Created; 'tcp_session_freed': TCP Session Freed; 'udp_session_created': UDP Session

Created; 'udp_session_freed': UDP Session Freed; 'other_session_created': Other Session Created; 'other_session_freed': Other Session Freed; 'session_creation_failure': Session Creation Failure; 'no_fwd_route': No Forward Route; 'no_rev_route': No Reverse Route; 'packet_standby_drop': Standby Drop; 'tcp_fullcone_created': TCP Full-cone Created; 'tcp_fullcone_freed': TCP Full-cone Freed; 'udp_fullcone_created': UDP Full-cone Created; 'udp_fullcone_freed': UDP Full-cone Freed; 'fullcone_creation_failure': Full-Cone Creation Failure; 'eif_process': Endpnt-Independent Filter Matched; 'one_arm_drop': One-Arm Drop; 'no_class_list_match': No Class-List Match Drop; 'outbound_session_created_shadow': Outbound Session Created Shadow; 'outbound_session_freed_shadow': Outbound Session Freed Shadow; 'inbound_session_created_shadow': Inbound Session Created Shadow; 'inbound_session_freed_shadow': Inbound Session Freed Shadow; 'tcp_session_created_shadow': TCP Session Created Shadow; 'tcp_session_freed_shadow': TCP Session Freed Shadow; 'udp_session_created_shadow': UDP Session Created Shadow; 'udp_session_freed_shadow': UDP Session Freed Shadow; 'other_session_created_shadow': Other Session Created Shadow; 'other_session_freed_shadow': Other Session Freed Shadow; 'session_creation_failure_shadow': Session Creation Failure Shadow; 'bad_session_freed': Bad Session Proto on Free; 'ctl_mem_alloc': Memory Alloc; 'ctl_mem_free': Memory Free; 'tcp_fullcone_created_shadow': TCP Full-cone Created Shadow; 'tcp_fullcone_freed_shadow': TCP Full-cone Freed Shadow; 'udp_fullcone_created_shadow': UDP Full-cone Created Shadow; 'udp_fullcone_freed_shadow': UDP Full-cone Freed Shadow; 'fullcone_in_del_q': Full-cone Found in Delete Queue; 'fullcone_overflow_eim': EIM Overflow; 'fullcone_overflow_eif': EIF Overflow; 'fullcone_free_found': Full-cone Free Found From Conn; 'fullcone_free_retry_lookup': Full-cone Retry Look-up; 'fullcone_free_not_found': Full-cone Free Not Found; 'eif_limit_exceeded': EIF Limit Exceeded; 'eif_disable_drop': EIF Disable Drop; 'eif_process_failure': EIF Process Failure; 'eif_filtered': EIF Filtered; 'ha_standby_session_created': HA Standby Session Created; 'ha_standby_session_eim': HA Standby Session EIM; 'ha_standby_session_eif': HA Standby Session EIF;

Type: string

Supported Values: all, tcp_packet_process, udp_packet_process, other_packet_process, packet_inbound_deny, packet_process_failure, outbound_session_created, outbound_session_freed, inbound_session_created, inbound_session_freed, tcp_session_created, tcp_session_freed, udp_session_created, udp_session_freed, other_session_created, other_session_freed, session_creation_failure, no_fwd_route, no_rev_route, packet_standby_drop, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_creation_failure, eif_process, one_arm_drop, no_class_list_match, outbound_session_created_shadow, outbound_session_freed_shadow, inbound_session_created_shadow, inbound_session_freed_shadow, tcp_session_created_shadow, tcp_session_freed_shadow, udp_session_created_shadow, udp_session_freed_shadow, other_session_created_shadow, other_session_freed_shadow, session_creation_failure_shadow, bad_session_freed, ctl_mem_alloc, ctl_mem_free, tcp_fullcone_created_shadow, tcp_fullcone_freed_shadow, udp_fullcone_created_shadow, udp_fullcone_freed_shadow, fullcone_in_del_q, fullcone_overflow_eim, fullcone_overflow_eif, fullcone_free_found, fullcone_free_retry_lookup, fullcone_free_not_found, eif_limit_exceeded, eif_disable_drop, eif_process_failure, eif_filtered, ha_standby_session_created, ha_standby_session_eim, ha_standby_session_eif

stats data

	Counter	Size	Description
	session_creation_failure	8	Session Creation Failure
	tcp_packet_process	8	TCP Packet Process
	udp_fullcone_freed	8	UDP Full-cone Freed
	outbound_session_created	8	Outbound Session Created
	tcp_fullcone_created	8	TCP Full-cone Created
	fullcone_creation_failure	8	Full-Cone Creation Failure
	one_arm_drop	8	One-Arm Drop
	packet_inbound_deny	8	Inbound Packet Denied
	inbound_session_created	8	Inbound Session Created
	udp_fullcone_created	8	UDP Full-cone Created
	other_session_created	8	Other Session Created
	udp_session_created	8	UDP Session Created
	udp_packet_process	8	UDP Packet Process
	no_fwd_route	8	No Forward Route
	tcp_session_created	8	TCP Session Created
	other_session_freed	8	Other Session Freed
	eif_process	8	Endpnt-Independent Filter Matched
	inbound_session_freed	8	Inbound Session Freed
	udp_session_freed	8	UDP Session Freed
	no_rev_route	8	No Reverse Route
	packet_process_failure	8	Packet Error Drop
	no_class_list_match	8	No Class-List Match Drop
	other_packet_process	8	Other Packet Process
	tcp_fullcone_freed	8	TCP Full-cone Freed
	outbound_session_freed	8	Outbound Session Freed
	tcp_session_freed	8	TCP Session Freed
	packet_standby_drop	8	Standby Drop

2.19.235 cgnv6 stateful-firewall stun-timeout

Set STUN timeout for endpoint-independent filtering

stun-timeout Specification

Type	*Collection*
Object Key(s)	*port, port-end*
Collection Name	*stun-timeout-list*
Collection URI	/axapi/v3/cgnv6/stateful-firewall/stun-timeout
Element Name	stun-timeout
Element URI	/axapi/v3/cgnv6/stateful-firewall/stun-timeout/{port}+{port-end}
Element Attributes	stun-timeout_attributes
Schema	`stun-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/stun-timeout

stun-timeout attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/stun-timeout/
Payload:
{
    "stun-timeout": {
        "stun-timeout-val-port-range": 0,
        "port": 1,
        "port-end": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/stateful-firewall/stun-timeout

stun-timeout attributes

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/stun-timeout/1+1
Reponse:
{
    "stun-timeout": {
        "port": 1,
        "port-end": 1,
        "stun-timeout-val-port-range": 0,
        "uuid": "6af346de-602d-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/stun-timeout/1+1"
```

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```
    }
}
```

Get List

GET

/axapi/v3/cgnv6/stateful-firewall/stun-timeout

stun-timeout-list

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/stun-timeout/{port}+{port-end}

stun-timeout attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/stun-timeout/1+1
Payload:
{
    "stun-timeout": {
        "stun-timeout-val-port-range": 0,
        "port": 1,
        "port-end": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/stateful-firewall/stun-timeout

stun-timeout-list

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/stun-timeout/1+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stun-timeout-list

stun-timeout-list is **JSON List** of *stun-timeout attributes*

stun-timeout-list : [

{ *stun-timeout attributes* },

{ *stun-timeout attributes* },

...

]

stun-timeout attributes

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.236 cgnv6 stateful-firewall tcp

Configure TCP parameters for stateful firewall

tcp Specification

Type	*Intermediate Resource*
Element Name	tcp
Element URI	/axapi/v3/cgnv6/stateful-firewall/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/tcp

tcp_attributes

tcp attributes

idle-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/{port}+{port-end}*

stun-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/{port}+{port-end}*

syn-timeout

Description: syn-timeout is a **JSON Block**. Please see below for *syn-timeout*

Type: Object

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout*

stun-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syn-timeout

Specification	
Type	*object*

syn-timeout-val

Description Set Seconds session can remain in half-open state before being deleted (default: 4 seconds)

Type: number

Range: 2-30

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

idle-timeout-list

Specification	
Type	*list*
Block object keys	

idle-timeout-val-port-range

Description Set Idle timeout for IPv4 and IPv6 TCP established sessions (Idle timeout for IPv4 and IPv6 TCP established sessions (default: 300 seconds))

Type: number

Range: 60-15000

Default: 300

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.237 cgnv6 stateful-firewall tcp idle-timeout

Configure TCP established-session idle timeout for IPv4 and IPv6

idle-timeout Specification

Type	*Collection*
Object Key(s)	*port, port-end*
Collection Name	*idle-timeout-list*
Collection URI	/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout
Element Name	idle-timeout
Element URI	/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/{port}+{port-end}
Element Attributes	idle-timeout_attributes
Schema	`idle-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout

idle-timeout attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/
Payload:
{
    "idle-timeout": {
        "idle-timeout-val-port-range": 60,
        "port": 1,
        "port-end": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout

idle-timeout attributes

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/{port}+{port-end}

idle-timeout attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/1+1
Reponse:
{
    "idle-timeout": {
        "port": 1,
        "port-end": 1,
        "idle-timeout-val-port-range": 60,
        "uuid": "856350e0-602d-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/1+1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout

idle-timeout-list

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/{port}+{port-end}

idle-timeout attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/{port}+{port-end}

idle-timeout attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/1+1
Payload:
{
    "idle-timeout": {
        "idle-timeout-val-port-range": 180,
        "port": 1,
        "port-end": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout

idle-timeout-list

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/{port}+{port-end}

idle-timeout attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/tcp/idle-timeout/1+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

idle-timeout-list

idle-timeout-list is **JSON List** of *idle-timeout attributes*

idle-timeout-list : [

{ *idle-timeout attributes* },

{ *idle-timeout attributes* },

...

]

idle-timeout attributes

idle-timeout-val-port-range

Description Set Idle timeout for IPv4 and IPv6 TCP established sessions (Idle timeout for IPv4 and IPv6 TCP established sessions (default: 300 seconds))

Type: number

Range: 60-15000

Default: 300

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.238 cgnv6 stateful-firewall tcp stun-timeout

Set STUN timeout for endpoint-independent filtering

stun-timeout Specification

Type	*Collection*
Object Key(s)	*port, port-end*
Collection Name	*stun-timeout-list*
Collection URI	/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout
Element Name	stun-timeout
Element URI	/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/{port}+{port-end}
Element Attributes	stun-timeout_attributes
Schema	`stun-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout

stun-timeout attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/
Payload:
{
    "stun-timeout": {
        "stun-timeout-val-port-range": 0,
        "port": 1,
        "port-end": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout

stun-timeout attributes

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/1+1
Reponse:
{
    "stun-timeout": {
        "port": 1,
        "port-end": 1,
        "stun-timeout-val-port-range": 0,
        "uuid": "92b5176a-602d-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/1+1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout

stun-timeout-list

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/{port}+{port-end}

stun-timeout attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/1+1
Payload:
{
    "stun-timeout": {
        "stun-timeout-val-port-range": 0,
        "port": 1,
        "port-end": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout

stun-timeout-list

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/tcp/stun-timeout/1+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stun-timeout-list

stun-timeout-list is **JSON List** of *stun-timeout attributes*

stun-timeout-list : [

{ *stun-timeout attributes* },

{ *stun-timeout attributes* },

...

]

stun-timeout attributes

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.239 cgnv6 stateful-firewall tcp syn-timeout

Configure TCP SYNtimeout

syn-timeout Specification

Type	*Configuration Resource*
Element Name	syn-timeout
Element URI	/axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout
Element Attributes	syn-timeout_attributes
Schema	`syn-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout

syn-timeout attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout
Payload:
{
    "syn-timeout": {
        "syn-timeout-val": 2
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout

syn-timeout attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout
Reponse:
{
    "syn-timeout": {
        "syn-timeout-val": 2,
        "uuid": "5abf837c-5c04-11d9-835e-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout

syn-timeout attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout

syn-timeout attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout
Payload:
{
    "syn-timeout": {
        "syn-timeout-val": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout

syn-timeout attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/tcp/syn-timeout
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

syn-timeout attributes

syn-timeout-val

Description Set Seconds session can remain in half-open state before being deleted (default: 4 seconds)

Type: number

Range: 2-30

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.240 cgnv6 stateful-firewall udp

Configure UDP parameters for stateful firewall

udp Specification

Type	*Intermediate Resource*
Element Name	udp
Element URI	/axapi/v3/cgnv6/stateful-firewall/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/udp

udp_attributes

udp attributes

idle-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/{port}+{port-end}*

stun-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/{port}+{port-end}*

stun-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

idle-timeout-list

Specification	
Type	*list*
Block object keys	

fast

Description Fast aging for idle sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and idle-timeout-val-port-range are mutually exclusive

idle-timeout-val-port-range

Description Idle timeout for IPv4 and IPv6 TCP established sessions (Idle timeout for IPv4 and IPv6 TCP established sessions (default: 300 seconds))

Type: number

Range: 60-15000

Default: 300

Mutual Exclusion: idle-timeout-val-port-range and fast are mutually exclusive

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.241 cgnv6 stateful-firewall udp idle-timeout

Configure UDP session idle timeout for IPv4 and IPv6

idle-timeout Specification

Type	*Collection*
Object Key(s)	*port, port-end*
Collection Name	*idle-timeout-list*
Collection URI	/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout
Element Name	idle-timeout
Element URI	/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/{port}+{port-end}
Element Attributes	idle-timeout_attributes
Schema	`idle-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout

idle-timeout attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/
Payload:
{
    "idle-timeout": {
        "port": 1,
        "port-end": 1,
        "fast": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout

idle-timeout attributes

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/{port}+{port-end}

idle-timeout attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/1+1
Reponse:
{
    "idle-timeout": {
```

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```
        "port": 1,
        "port-end": 1,
        "fast": 1,
        "uuid": "ba4e20dc-602d-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/1+1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout

idle-timeout-list

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/{port}+{port-end}

idle-timeout attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/{port}+{port-end}

idle-timeout attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/1+1
Payload:
{
    "idle-timeout": {
        "port": 1,
        "port-end": 1,
        "idle-timeout-val-port-range": 60
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout

idle-timeout-list

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/{port}+{port-end}

idle-timeout attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/udp/idle-timeout/1+1
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

idle-timeout-list

idle-timeout-list is **JSON List** of *idle-timeout attributes*

idle-timeout-list : [

{ *idle-timeout attributes* },

{ *idle-timeout attributes* },

...

]

idle-timeout attributes

fast

Description Fast aging for idle sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and idle-timeout-val-port-range are mutually exclusive

idle-timeout-val-port-range

Description Idle timeout for IPv4 and IPv6 TCP established sessions (Idle timeout for IPv4 and IPv6 TCP established sessions (default: 300 seconds))

Type: number

Range: 60-15000

Default: 300

Mutual Exclusion: idle-timeout-val-port-range and fast are mutually exclusive

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.242 cgnv6 stateful-firewall udp stun-timeout

Set STUN timeout for endpoint-independent filtering

stun-timeout Specification

Type	*Collection*
Object Key(s)	*port, port-end*
Collection Name	*stun-timeout-list*
Collection URI	/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout
Element Name	stun-timeout
Element URI	/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/{port}+{port-end}
Element Attributes	stun-timeout_attributes
Schema	`stun-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout

stun-timeout attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/
Payload:
{
    "stun-timeout": {
        "stun-timeout-val-port-range": 0,
        "port": 1,
        "port-end": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout

stun-timeout attributes

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/1+1
Reponse:
{
    "stun-timeout": {
        "port": 1,
        "port-end": 1,
        "stun-timeout-val-port-range": 0,
        "uuid": "c9bb792a-602d-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/1+1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout

stun-timeout-list

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/{port}+{port-end}

stun-timeout attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/1+1
Payload:
{
    "stun-timeout": {
        "stun-timeout-val-port-range": 0,
        "port": 1,
        "port-end": 1
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout

stun-timeout-list

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/{port}+{port-end}

stun-timeout attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/udp/stun-timeout/1+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stun-timeout-list

stun-timeout-list is **JSON List** of *stun-timeout attributes*

stun-timeout-list : [

{ *stun-timeout attributes* },

{ *stun-timeout attributes* },

...

]

stun-timeout attributes

port

Description Single Destination Port or Port Range Start

Type: number

Range: 1-65535

port-end

Description Port Range End

Type: number

Range: 1-65535

stun-timeout-val-port-range

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.243 cgnv6 stateful-firewall vrid

Set VRRP-A vrid for stateful firewall

vrid Specification

Type	*Configuration Resource*
Element Name	vrid
Element URI	/axapi/v3/cgnv6/stateful-firewall/vrid
Element Attributes	vrid_attributes
Schema	`vrid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/stateful-firewall/vrid

vrid attributes

```
POST /axapi/v3/cgnv6/stateful-firewall/vrid
Payload:
{
    "vrid": {
        "vrid-value": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/stateful-firewall/vrid

vrid attributes

```
GET /axapi/v3/cgnv6/stateful-firewall/vrid
Reponse:
{
    "vrid": {
        "vrid-value": 1,
        "uuid": "d7e0a6ce-602d-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/stateful-firewall/vrid"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/stateful-firewall/vrid

vrid attributes

Replace Object

PUT

/axapi/v3/cgnv6/stateful-firewall/vrid

vrid attributes

```
PUT /axapi/v3/cgnv6/stateful-firewall/vrid
Payload:
{
    "vrid": {
        "vrid-value": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/stateful-firewall/vrid

vrid attributes

```
DELETE /axapi/v3/cgnv6/stateful-firewall/vrid
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vrid attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-value

Description Set VRRP-A vrid for stateful firewall (IPv4 and IPv6)

Type: number

Range: 1-31

2.19.244 cgnv6 template

Define a CGNv6 template

template Specification

Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/cgnv6/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cgnv6/template

template_attributes

template attributes

dns-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}*

http-alg-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/http-alg/{name}*

logging-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}*

pcp-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/pcp/{name}*

policy-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}*

policy-list

Specification	
Type	*list*
Block object keys	

class-list

Description: class-list is a **JSON Block**. Please see below for *policy-list_class-list*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}/class-list*

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_class-list

Specification	
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

dns64

Description: dns64 is a **JSON Block**. Please see below for *policy-list_class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 0-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_class-list_lid-list_dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

logging-list

Specification	
Type	*list*
Block object keys	

batched-logging-disable

Description Disable multiple logs per packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom

Description: custom is a **JSON Block**. Please see below for *logging-list_custom*

Type: Object

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *logging-list_disable-log-by-destination*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination*

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'binary': Binary logging format; 'compact': Compact ASCII logging format (Hex format with compact representation); 'custom': Arbitrary custom logging format; 'default': Default A10 logging format (ASCII); 'rfc5424': RFC5424 compliant logging format;

Type: string

Supported Values: binary, compact, custom, default, rfc5424, cef

Default: default

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Description: include-http is a **JSON Block**. Please see below for *logging-list_include-http*

Type: Object

include-inside-user-mac

Description Include the inside user MAC address in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-partition-name

Description Include partition name in logging events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-port-block-account

Description include bytes accounting information in port-batch-v2 port-mapping and fixed-nat user-ports messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-radius-attribute

Description: include-radius-attribute is a **JSON Block**. Please see below for *logging-list_include-radius-attribute*

Type: Object

include-session-byte-count

Description include byte count in session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *logging-list_log*

Type: Object

log-receiver

Description: log-receiver is a **JSON Block**. Please see below for *logging-list_log-receiver*

Type: Object

name

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resolution

Description 'seconds': Logging timestamp resolution in seconds (default); '10-milliseconds': Logging timestamp resolution in 10s of milli-seconds;

Type: string

Supported Values: seconds, 10-milliseconds

Default: seconds

rfc-custom

Description: rfc-custom is a **JSON Block**. Please see below for *logging-list_rfc-custom*

Type: Object

rule

Description: rule is a **JSON Block**. Please see below for *logging-list_rule*

Type: Object

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

severity

Description: severity is a **JSON Block**. Please see below for *logging-list_severity*

Type: Object

shared

Description Service group is in shared patition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-address

Description: source-address is a **JSON Block**. Please see below for *logging-list_source-address*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/source-address*

source-port

Description: source-port is a **JSON Block**. Please see below for *logging-list_source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_include-http

Specification	
Type	*object*

file-extension

Description HTTP file extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-cfg

Type: List

l4-session-info

Description Log the L4 session information of the HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Log the HTTP Request Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-number

Description HTTP Request Number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_include-http_header-cfg

Specification	
Type	*list*
Block object keys	

custom-header-name

Description Header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

custom-max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

http-header

Description 'cookie': Log HTTP Cookie Header; 'referer': Log HTTP Referer Header; 'user-agent': Log HTTP User-Agent Header; 'header1': Log HTTP Header 1; 'header2': Log HTTP Header 2; 'header3': Log HTTP Header 3;

Type: string

Supported Values: cookie, referer, user-agent, header1, header2, header3

max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

logging-list_severity

Specification	
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

logging-list_custom

Specification	
Type	*object*

custom-header

Description 'use-syslog-header': Use syslog header as custom log header;

Type: string

Supported Values: use-syslog-header

custom-message

Description: custom-message is a **JSON Block**. Please see below for *logging-list_custom_custom-message*

Type: Object

custom-time-stamp-format

Description Customize the time stamp format (Customize the time-stamp format. Default:%Y%m%d%H%M%S)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

logging-list_custom_custom-message

Specification	
Type	*object*

custom-dhcpv6-map-prefix-assigned

Description MAP DHCPv6 prefix assigned

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-dhcpv6-map-prefix-released

Description MAP DHCPv6 prefix released

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-dhcpv6-map-prefix-renewed

Description MAP DHCPv6 prefix renewed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-allocated

Description Fixed-NAT allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-freed

Description Fixed-NAT freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-interim-update

Description Fixed-NAT interim update (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-http-request-got

Description HTTP request got (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-allocated

Description Port allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-allocated

Description Port Batch allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-freed

Description Port Batch freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-allocated

Description Port Batch v2 allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-freed

Description Port Batch v2 freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-interim-update

Description Port Batch v2 interim update (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-freed

Description Port freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-session-created

Description Session created (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-session-deleted

Description Session deleted (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

logging-list_source-address

Specification	
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_log

Specification	
Type	*object*

fixed-nat

Description: fixed-nat is a **JSON Block**. Please see below for *logging-list_log_fixed-nat*

Type: Object

http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

map-dhcpv6

Description: map-dhcpv6 is a **JSON Block**. Please see below for *logging-list_log_map-dhcpv6*

Type: Object

merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-to-one-nat

Description: one-to-one-nat is a **JSON Block**. Please see below for *logging-list_log_one-to-one-nat*

Type: Object

port-mappings

Description 'creation': Log only creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable, both

Default: both

port-overloading

Description Force logging of all port-overloading sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sessions

Description Log all data sessions created using NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-data

Description Log LSN Subscriber Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_log_one-to-one-nat

Specification	
Type	*object*

one-to-one-merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-to-one-nat-sessions

Description Log all One-to-One NAT sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_log_map-dhcpv6

Specification	
Type	*object*

map-dhcpv6-msg-type

Type: List

map-dhcpv6-prefix-all

Description Log MAP DHCPv6 prefix assignment/renewal/release

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: map-dhcpv6-prefix-all and map-dhcpv6-msg-type are mutually exclusive

logging-list_log_map-dhcpv6_map-dhcpv6-msg-type

Specification	
Type	*list*
Block object keys	

map-dhcpv6-msg-type

Description 'prefix-assignment': Log MAP DHCPv6 prefix assignment; 'prefix-renewal': Log MAP DHCPv6 prefix renewal; 'prefix-release': Log MAP DHCPv6 prefix release;

Type: string

Supported Values: prefix-assignment, prefix-renewal, prefix-release

Mutual Exclusion: map-dhcpv6-msg-type and map-dhcpv6-prefix-all are mutually exclusive

logging-list_log_fixed-nat

Specification	
Type	*object*

fixed-nat-http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

fixed-nat-merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mappings

Description 'both': Log creation and deletion of NAT mappings; 'creation': Log creation of NAT mappings;

Type: string

Supported Values: both, creation

fixed-nat-sessions

Description Log all Fixed NAT sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-ports

Description: user-ports is a **JSON Block**. Please see below for *logging-list_log_fixed-nat_user-ports*

Type: Object

logging-list_log_fixed-nat_user-ports

Specification	
Type	*object*

days

Description Specify period in days

Type: number

Range: 1-30

start-time

Description Time when periodic logging starts (Specify start time(hh:mm))

Type: string

Format: time-hhmm

user-ports

Description Log Fixed NAT User Ports Configured

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_source-port

Specification	
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

logging-list_log-receiver

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

radius

Description Use RADIUS server for NAT logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

logging-list_include-radius-attribute

Specification	
Type	*object*

attr-cfg

Type: List

framed-ipv6-prefix

Description Include radius attributes for the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-if-not-existing

Description Configure what string is to be inserted for custom RADIUS attributes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-quote

Description No quotation marks for RADIUS attributes in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

zero-in-custom-attr

Description Insert 0000 for standard and custom attributes in log string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_include-radius-attribute_attr-cfg

Specification	
Type	*list*
Block object keys	

attr

Description 'imei': Include IMEI; 'imsi': Include IMSI; 'msisdn': Include MSISDN; 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

attr-event

Description 'http-requests': Include in HTTP request logs; 'port-mappings': Include in port-mapping logs; 'sessions': Include in session logs;

Type: string

Supported Values: http-requests, port-mappings, sessions, user-data

logging-list_rule

Specification	
Type	*object*

interim-update-interval

Description Log interim update of NAT mappings (Interim update interval in minutes(Interval is floored to a multiple of 5))

Type: number

Range: 15-120

rule-http-requests

Description: rule-http-requests is a **JSON Block**. Please see below for *logging-list_rule_rule-http-requests*

Type: Object

logging-list_rule_rule-http-requests

Specification	
Type	*object*

dest-port

Type: List

disable-sequence-check

Description Disable http packet sequence check and don't drop out of order packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-all-headers

Description Include all configured headers despite of absence in HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-every-http-request

Description Log every HTTP request in an HTTP 1.1 session (Default: Log the first HTTP request in a session)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-len

Description Max length of URL log (Max URL length (Default: 100 char))

Type: number

Range: 100-1000

Default: 128

logging-list_rule_rule-http-requests_dest-port

Specification	
Type	*list*
Block object keys	

dest-port-number

Description

Type: number

Range: 1-65535

include-byte-count

Description Include the byte count of HTTP Request/Response in CGN session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_disable-log-by-destination

Specification	
Type	*object*

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_disable-log-by-destination_ip-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_disable-log-by-destination_ip-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_ip-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_ip6-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_disable-log-by-destination_ip6-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_ip6-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_rfc-custom

Specification	
Type	*object*

header

Description: header is a **JSON Block**. Please see below for *logging-list_rfc-custom_header*

Type: Object

message

Description: message is a **JSON Block**. Please see below for *logging-list_rfc-custom_message*

Type: Object

logging-list_rfc-custom_header

Specification	
Type	*object*

use-alternate-timestamp

Description Use alternate non-RFC5424 compliant timestamp. Ex: 1990 Jan 15 12:30:30

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_rfc-custom_message

Specification	
Type	*object*

dhcpv6-map-prefix-assigned

Description MAP DHCPv6 prefix assigned

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

dhcpv6-map-prefix-released

Description MAP DHCPv6 prefix released

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

dhcpv6-map-prefix-renewed

Description MAP DHCPv6 prefix renewed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-request-got

Description HTTP request got (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ipv6-tech

Type: List

session-created

Description Session created (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

session-deleted

Description Session deleted (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

logging-list_rfc-custom_message_ipv6-tech

Specification	
Type	*list*
Block object keys	

fixed-nat-allocated

Description Fixed-NAT allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fixed-nat-freed

Description Fixed-NAT freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-allocated

Description Port allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-allocated

Description Port Batch allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-freed

Description Port Batch freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-v2-allocated

Description Port Batch v2 allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-v2-freed

Description Port Batch v2 freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-freed

Description Port freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

tech-type

Description 'lsn': LSN; 'nat64': NAT64; 'ds-lite': DS-Lite; 'sixrd-nat64': 6rd-NAT64;

Type: string

Supported Values: lsn, nat64, ds-lite, sixrd-nat64

pcp-list

Specification	
Type	*list*
Block object keys	

allow-third-party-from-lan

Description Allow third party request coming from LAN (default is disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-third-party-from-wan

Description Allow third party request coming from WAN (default is disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

announce

Description PCP ANNOUNCE Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

check-client-nonce

Description To validate NONCE value in PCP request (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-map-filter

Description To disable processing of FILTER options in MAP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map

Description PCP MAP Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum

Description To set maximum lifetime of PCP mappings (default 1440 minutes)

Type: number

Range: 2-1440

Default: 1440

minimum

Description To set minimum lifetime of PCP mappings (default 2 minutes)

Type: number

Range: 2-1440

Default: 2

name

Description PCP Template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pcp-server-port

Description PCP server listening port (default 5351) (PCP UDP destination port)

Type: number

Range: 1024-65535

Default: 5351

peer

Description PCP PEER Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-ip

Description Specify source IP address for IPv4 ANNOUNCE message

Type: string

Format: ipv4-address

source-ipv6

Description Specify source IPv6 address for IPv6 ANNOUNCE message

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-alg-list

Specification	
Type	*list*
Block object keys	

header-name-client-ip

Description Header name (default: X-Forwarded-For)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: X-Forwarded-For

header-name-msisdn

Description Header name (default: X-MSISDN)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: X-MSISDN

include-tunnel-ip

Description Include the tunnel IP (applies to DS-Lite and 6RD-NAT64 sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description 'append': Append if there is already a header (default); 'replace': Replace if there is already a header;

Type: string

Supported Values: append, replace

Default: append

name

Description HTTP-ALG template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

request-insert-client-ip

Description Insert Client IP into HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-insert-msisdn

Description Insert MSISDN into HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list

Specification	
Type	*list*
Block object keys	

class-list

Description: class-list is a **JSON Block**. Please see below for *dns-list_class-list*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns-list_dns64*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/dns64*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

forward

Description Forward to service group (Service group name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Period in minutes

Type: number

Range: 1-10000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_class-list

Specification	
Type	*object*

lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *dns-list_class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_class-list_lid-list_dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

dns-list_dns64

Specification	
Type	*object*

answer-only-disable

Description Disable Only translate the Answer Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-data

Description Set AA flag in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Generate Response by DNS Cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-query

Description Always change incoming AAAA DNS Query to A

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compress-disable

Description Disable Always try DNS Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-check-qr

Description Check DNS Question Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-check-rr-disable

Description Disable Check DNS Response Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-cname-disable

Description Disable Drop DNS CNAME Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

edns-append

Description Append EDNS Record when send A Query to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable DNS64 (Need to config this option before config any other dns64 options)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-append

Description Append translated Records when original Response only has Answer Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-rcode3-disable

Description Disable Ignore DNS error Response with rcode 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-qr-length

Description Max Question Record Length, default is 128

Type: number

Range: 1-1023

Default: 128

parallel-query

Description Forward AAAA Query & generate A Query in parallel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passive-query-disable

Description Disable Generate A query upon empty or error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retry

Description Retry count, default is 3 (Retry Number)

Type: number

Range: 0-15

Default: 3

single-response-disable

Description Disable Single Response which is used to avoid ambiguity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout to send additional Queries, unit: second, default is 1

Type: number

Range: 0-15

Default: 1

trans-ptr

Description Translate DNS PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trans-ptr-query

Description Translate DNS PTR Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify Max TTL in DNS Response, unit: second

Type: number

Range: 1-1000000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.245 cgnv6 template dns

DNS template

dns Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*dns-list*
Collection URI	/axapi/v3/cgnv6/template/dns
Element Name	dns
Element URI	/axapi/v3/cgnv6/template/dns/{name}
Element Attributes	dns_attributes
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/dns

dns attributes

```
POST /axapi/v3/cgnv6/template/dns/
Payload:
{
    "dns": {
        "name": "a",
        "user-tag": "a"
```

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```
    }
}
```

Create List

POST

/axapi/v3/cgnv6/template/dns

dns attributes

Get Object

GET

/axapi/v3/cgnv6/template/dns/{name}

dns attributes

```
GET /axapi/v3/cgnv6/template/dns/a
Reponse:
{
    "dns": {
        "name": "a",
        "default-policy": "nocache",
        "disable-dns-template": 0,
        "drop": 0,
        "uuid": "f66b14f8-602d-11d9-b769-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/cgnv6/template/dns/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/template/dns

dns-list

Modify Object

POST

/axapi/v3/cgnv6/template/dns/{name}

dns attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/dns/{name}

dns attributes

```
PUT /axapi/v3/cgnv6/template/dns/a
Payload:
{
    "dns": {
```

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```
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/template/dns

dns-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/dns/{name}

dns attributes

```
DELETE /axapi/v3/cgnv6/template/dns/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns-list

dns-list is **JSON List** of *dns attributes*

dns-list : [

{ *dns attributes* },

{ *dns attributes* },

...

]

dns attributes

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/dns64*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

forward

Description Forward to service group (Service group name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Period in minutes

Type: number

Range: 1-10000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list

Specification	
Type	*object*

lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list_dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

dns64

Specification	
Type	*object*

answer-only-disable

Description Disable Only translate the Answer Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-data

Description Set AA flag in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Generate Response by DNS Cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-query

Description Always change incoming AAAA DNS Query to A

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compress-disable

Description Disable Always try DNS Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-check-qr

Description Check DNS Question Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-check-rr-disable

Description Disable Check DNS Response Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-cname-disable

Description Disable Drop DNS CNAME Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

edns-append

Description Append EDNS Record when send A Query to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable DNS64 (Need to config this option before config any other dns64 options)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-append

Description Append translated Records when original Response only has Answer Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-rcode3-disable

Description Disable Ignore DNS error Response with rcode 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-qr-length

Description Max Question Record Length, default is 128

Type: number

Range: 1-1023

Default: 128

parallel-query

Description Forward AAAA Query & generate A Query in parallel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passive-query-disable

Description Disable Generate A query upon empty or error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retry

Description Retry count, default is 3 (Retry Number)

Type: number

Range: 0-15

Default: 3

single-response-disable

Description Disable Single Response which is used to avoid ambiguity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout to send additional Queries, unit: second, default is 1

Type: number

Range: 0-15

Default: 1

trans-ptr

Description Translate DNS PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trans-ptr-query

Description Translate DNS PTR Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify Max TTL in DNS Response, unit: second

Type: number

Range: 1-1000000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.246 cgnv6 template dns class-list

Classification list

class-list Specification

Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/cgnv6/template/dns/{name}/class-list
Element Attributes	class-list_attributes
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/dns/{name}/class-list

class-list attributes

```
POST /axapi/v3/cgnv6/template/dns/a/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/template/dns/{name}/class-list

class-list attributes

```
GET /axapi/v3/cgnv6/template/dns/a/class-list
Reponse:
{
    "class-list": {
        "name": "a",
        "uuid": "1f8a87b0-602e-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/template/dns/a/class-list"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/template/dns/{name}/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/dns/{name}/class-list

class-list attributes

```
PUT /axapi/v3/cgnv6/template/dns/a/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/template/dns/{name}/class-list

class-list attributes

```
DELETE /axapi/v3/cgnv6/template/dns/a/class-list
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

class-list attributes

lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

2.19.247 cgnv6 template dns class-list lid

Limit ID

lid Specification

Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/cgnv6/template/dns/{name}/class-list/lid
Element Name	lid
Element URI	/axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}
Element Attributes	lid_attributes
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/dns/{name}/class-list/lid

lid attributes

Create List

POST

/axapi/v3/cgnv6/template/dns/{name}/class-list/lid

lid attributes

Get Object

GET

/axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/cgnv6/template/dns/{name}/class-list/lid

lid-list

Modify Object

POST

/axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/cgnv6/template/dns/{name}/class-list/lid

lid-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

...

]

lid attributes

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

2.19.248 cgnv6 template dns dns64

Enable DNS64

dns64 Specification

Type	*Configuration Resource*
Element Name	dns64
Element URI	/axapi/v3/cgnv6/template/dns/{name}/dns64
Element Attributes	dns64_attributes
Schema	`dns64 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/dns/{name}/dns64

dns64 attributes

```
POST /axapi/v3/cgnv6/template/dns/a/dns64
Payload:
{
    "dns64": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/template/dns/{name}/dns64

dns64 attributes

```
GET /axapi/v3/cgnv6/template/dns/a/dns64
Reponse:
{
    "dns64": {
        "enable": 1,
        "answer-only-disable": 0,
        "auth-data": 0,
        "cache": 0,
        "change-query": 0,
        "compress-disable": 0,
        "deep-check-rr-disable": 0,
        "ignore-rcode3-disable": 0,
        "max-qr-length": 128,
        "parallel-query": 0,
        "passive-query-disable": 0,
        "retry": 3,
```

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```
        "single-response-disable": 0,
        "timeout": 1,
        "trans-ptr": 0,
        "uuid": "57c139b2-602e-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/template/dns/a/dns64"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/template/dns/{name}/dns64

dns64 attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/dns/{name}/dns64

dns64 attributes

```
PUT /axapi/v3/cgnv6/template/dns/a/dns64
Payload:
{
    "dns64": {
        "enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/template/dns/{name}/dns64

dns64 attributes

```
DELETE /axapi/v3/cgnv6/template/dns/a/dns64
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns64 attributes

answer-only-disable

Description Disable Only translate the Answer Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-data

Description Set AA flag in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Generate Response by DNS Cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-query

Description Always change incoming AAAA DNS Query to A

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compress-disable

Description Disable Always try DNS Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-check-qr

Description Check DNS Question Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-check-rr-disable

Description Disable Check DNS Response Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-cname-disable

Description Disable Drop DNS CNAME Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

edns-append

Description Append EDNS Record when send A Query to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable DNS64 (Need to config this option before config any other dns64 options)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-append

Description Append translated Records when original Response only has Answer Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-rcode3-disable

Description Disable Ignore DNS error Response with rcode 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-qr-length

Description Max Question Record Length, default is 128

Type: number

Range: 1-1023

Default: 128

parallel-query

Description Forward AAAA Query & generate A Query in parallel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passive-query-disable

Description Disable Generate A query upon empty or error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retry

Description Retry count, default is 3 (Retry Number)

Type: number

Range: 0-15

Default: 3

single-response-disable

Description Disable Single Response which is used to avoid ambiguity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout to send additional Queries, unit: second, default is 1

Type: number

Range: 0-15

Default: 1

trans-ptr

Description Translate DNS PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trans-ptr-query

Description Translate DNS PTR Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify Max TTL in DNS Response, unit: second

Type: number

Range: 1-1000000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.249 cgnv6 template http-alg

HTTP-ALG Template

http-alg Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*http-alg-list*
Collection URI	/axapi/v3/cgnv6/template/http-alg
Element Name	http-alg
Element URI	/axapi/v3/cgnv6/template/http-alg/{name}
Element Attributes	http-alg_attributes
Schema	`http-alg schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/http-alg

http-alg attributes

```
POST /axapi/v3/cgnv6/template/http-alg/
Payload:
{
    "http-alg": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/template/http-alg

http-alg attributes

Get Object

GET

/axapi/v3/cgnv6/template/http-alg/{name}

http-alg attributes

```
GET /axapi/v3/cgnv6/template/http-alg/a
Reponse:
{
    "http-alg": {
        "name": "a",
        "request-insert-client-ip": 0,
        "request-insert-msisdn": 0,
        "uuid": "9394b734-602e-11d9-b769-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/cgnv6/template/http-alg/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/template/http-alg

http-alg-list

Modify Object

POST

/axapi/v3/cgnv6/template/http-alg/{name}

http-alg attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/http-alg/{name}

http-alg attributes

```
PUT /axapi/v3/cgnv6/template/http-alg/a
Payload:
{
    "http-alg": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/template/http-alg

http-alg-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/http-alg/{name}

http-alg attributes

```
DELETE /axapi/v3/cgnv6/template/http-alg/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

http-alg-list

http-alg-list is **JSON List** of *http-alg attributes*

http-alg-list : [

{ *http-alg attributes* },

{ *http-alg attributes* },

...

]

http-alg attributes

header-name-client-ip

Description Header name (default: X-Forwarded-For)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: X-Forwarded-For

header-name-msisdn

Description Header name (default: X-MSISDN)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: X-MSISDN

include-tunnel-ip

Description Include the tunnel IP (applies to DS-Lite and 6RD-NAT64 sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description 'append': Append if there is already a header (default); 'replace': Replace if there is already a header;

Type: string

Supported Values: append, replace

Default: append

name

Description HTTP-ALG template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

request-insert-client-ip

Description Insert Client IP into HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-insert-msisdn

Description Insert MSISDN into HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.250 cgnv6 template logging

Logging Template

logging Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-list*
Collection URI	/axapi/v3/cgnv6/template/logging
Element Name	logging
Element URI	/axapi/v3/cgnv6/template/logging/{name}
Element Attributes	logging_attributes
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/logging

logging attributes

```
POST /axapi/v3/cgnv6/template/logging/
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/template/logging

logging attributes

Get Object

GET

/axapi/v3/cgnv6/template/logging/{name}

logging attributes

```
GET /axapi/v3/cgnv6/template/logging/a
Reponse:
{
    "logging": {
        "name": "a",
```

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```
        "resolution": "seconds",
        "log": {
            "fixed-nat": {
                "fixed-nat-sessions": 0,
                "user-ports": {
                    "user-ports": 0
                }
            },
            "one-to-one-nat": {
                "one-to-one-nat-sessions": 0
            },
            "map-dhcpv6": {
                "map-dhcpv6-prefix-all": 0
            },
            "port-mappings": "both",
            "port-overloading": 0,
            "user-data": 0,
            "sessions": 0
        },
        "include-destination": 0,
        "include-inside-user-mac": 0,
        "include-partition-name": 0,
        "include-session-byte-count": 0,
        "include-port-block-account": 0,
        "include-radius-attribute": {
            "no-quote": 0,
            "insert-if-not-existing": 0,
            "framed-ipv6-prefix": 0
        },
        "include-http": {
            "l4-session-info": 0,
            "method": 0,
            "request-number": 0,
            "file-extension": 0
        },
        "rule": {
            "rule-http-requests": {
                "log-every-http-request": 0,
                "max-url-len": 128,
                "include-all-headers": 0,
                "disable-sequence-check": 0
            }
        },
        "facility": "local0",
        "severity": {
            "severity-string": "debug"
        },
        "format": "default",
        "batched-logging-disable": 0,
        "log-receiver": {
            "radius": 0
        },
        "source-port": {
            "source-port-num": 514
        },
        "rfc-custom": {
            "header": {
```


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```
                "use-alternate-timestamp": 0
            }
        },
        "uuid": "d0137ae2-602e-11d9-b769-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/cgnv6/template/logging/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/template/logging

logging-list

Modify Object

POST

/axapi/v3/cgnv6/template/logging/{name}

logging attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/logging/{name}

logging attributes

```
PUT /axapi/v3/cgnv6/template/logging/a
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/template/logging

logging-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/logging/{name}

logging attributes

```
DELETE /axapi/v3/cgnv6/template/logging/a
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

logging-list

logging-list is **JSON List** of *logging attributes*

logging-list : [

{ *logging attributes* },

{ *logging attributes* },

...

]

logging attributes

batched-logging-disable

Description Disable multiple logs per packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom

Description: custom is a **JSON Block**. Please see below for *custom*

Type: Object

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *disable-log-by-destination*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination*

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'binary': Binary logging format; 'compact': Compact ASCII logging format (Hex format with compact representation); 'custom': Arbitrary custom logging format; 'default': Default A10 logging format (ASCII); 'rfc5424': RFC5424 compliant logging format; 'cef': Common Event Format for logging;

Type: string

Supported Values: binary, compact, custom, default, rfc5424, cef

Default: default

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Description: include-http is a **JSON Block**. Please see below for *include-http*

Type: Object

include-inside-user-mac

Description Include the inside user MAC address in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-partition-name

Description Include partition name in logging events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-port-block-account

Description include bytes accounting information in port-batch-v2 port-mapping and fixed-nat user-ports messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-radius-attribute

Description: include-radius-attribute is a **JSON Block**. Please see below for *include-radius-attribute*

Type: Object

include-session-byte-count

Description include byte count in session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

log-receiver

Description: log-receiver is a **JSON Block**. Please see below for *log-receiver*

Type: Object

name

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resolution

Description 'seconds': Logging timestamp resolution in seconds (default); '10-milliseconds': Logging timestamp resolution in 10s of milli-seconds;

Type: string

Supported Values: seconds, 10-milliseconds

Default: seconds

rfc-custom

Description: rfc-custom is a **JSON Block**. Please see below for *rfc-custom*

Type: Object

rule

Description: rule is a **JSON Block**. Please see below for *rule*

Type: Object

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

severity

Description: severity is a **JSON Block**. Please see below for *severity*

Type: Object

shared

Description Service group is in shared patition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-address

Description: source-address is a **JSON Block**. Please see below for *source-address*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/source-address*

source-port

Description: source-port is a **JSON Block**. Please see below for *source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

include-http

Specification	
Type	*object*

file-extension

Description HTTP file extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-cfg

Type: List

l4-session-info

Description Log the L4 session information of the HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Log the HTTP Request Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-number

Description HTTP Request Number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http_header-cfg

Specification	
Type	*list*
Block object keys	

custom-header-name

Description Header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

custom-max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

http-header

Description 'cookie': Log HTTP Cookie Header; 'referer': Log HTTP Referer Header; 'user-agent': Log HTTP User-Agent Header; 'header1': Log HTTP Header 1; 'header2': Log HTTP Header 2; 'header3': Log HTTP Header 3;

Type: string

Supported Values: cookie, referer, user-agent, header1, header2, header3

max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

severity

Specification	
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

custom

Specification	
Type	*object*

custom-header

Description 'use-syslog-header': Use syslog header as custom log header;

Type: string

Supported Values: use-syslog-header

custom-message

Description: custom-message is a **JSON Block**. Please see below for *custom_custom-message*

Type: Object

custom-time-stamp-format

Description Customize the time stamp format (Customize the time-stamp format. Default:%Y%m%d%H%M%S)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

custom_custom-message

Specification	
Type	*object*

custom-dhcpv6-map-prefix-assigned

Description MAP DHCPv6 prefix assigned

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-dhcpv6-map-prefix-released

Description MAP DHCPv6 prefix released

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-dhcpv6-map-prefix-renewed

Description MAP DHCPv6 prefix renewed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-allocated

Description Fixed-NAT allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-freed

Description Fixed-NAT freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-fixed-nat-interim-update

Description Fixed-NAT interim update (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-http-request-got

Description HTTP request got (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-allocated

Description Port allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-allocated

Description Port Batch allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-freed

Description Port Batch freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-allocated

Description Port Batch v2 allocated (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-freed

Description Port Batch v2 freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-batch-v2-interim-update

Description Port Batch v2 interim update (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-port-freed

Description Port freed (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-session-created

Description Session created (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-session-deleted

Description Session deleted (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

source-address

Specification	
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log

Specification	
Type	*object*

fixed-nat

Description: fixed-nat is a **JSON Block**. Please see below for *log_fixed-nat*

Type: Object

http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

map-dhcpv6

Description: map-dhcpv6 is a **JSON Block**. Please see below for *log_map-dhcpv6*

Type: Object

merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-to-one-nat

Description: one-to-one-nat is a **JSON Block**. Please see below for *log_one-to-one-nat*

Type: Object

port-mappings

Description 'creation': Log only creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable, both

Default: both

port-overloading

Description Force logging of all port-overloading sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sessions

Description Log all data sessions created using NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-data

Description Log LSN Subscriber Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_one-to-one-nat

Specification	
Type	*object*

one-to-one-merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-to-one-nat-sessions

Description Log all One-to-One NAT sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_map-dhcpv6

Specification	
Type	*object*

map-dhcpv6-msg-type

Type: List

map-dhcpv6-prefix-all

Description Log MAP DHCPv6 prefix assignment/renewal/release

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: map-dhcpv6-prefix-all and map-dhcpv6-msg-type are mutually exclusive

log_map-dhcpv6_map-dhcpv6-msg-type

Specification	
Type	*list*
Block object keys	

map-dhcpv6-msg-type

Description 'prefix-assignment': Log MAP DHCPv6 prefix assignment; 'prefix-renewal': Log MAP DHCPv6 prefix renewal; 'prefix-release': Log MAP DHCPv6 prefix release;

Type: string

Supported Values: prefix-assignment, prefix-renewal, prefix-release

Mutual Exclusion: map-dhcpv6-msg-type and map-dhcpv6-prefix-all are mutually exclusive

log_fixed-nat

Specification	
Type	*object*

fixed-nat-http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

fixed-nat-merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mappings

Description 'both': Log creation and deletion of NAT mappings; 'creation': Log creation of NAT mappings;

Type: string

Supported Values: both, creation

fixed-nat-sessions

Description Log all Fixed NAT sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-ports

Description: user-ports is a **JSON Block**. Please see below for *log_fixed-nat_user-ports*

Type: Object

log_fixed-nat_user-ports

Specification	
Type	*object*

days

Description Specify period in days

Type: number

Range: 1-30

start-time

Description Time when periodic logging starts (Specify start time(hh:mm))

Type: string

Format: time-hhmm

user-ports

Description Log Fixed NAT User Ports Configured

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-port

Specification	
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

log-receiver

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

radius

Description Use RADIUS server for NAT logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

include-radius-attribute

Specification	
Type	*object*

attr-cfg

Type: List

framed-ipv6-prefix

Description Include radius attributes for the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-if-not-existing

Description Configure what string is to be inserted for custom RADIUS attributes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-quote

Description No quotation marks for RADIUS attributes in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

zero-in-custom-attr

Description Insert 0000 for standard and custom attributes in log string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-radius-attribute_attr-cfg

Specification	
Type	*list*
Block object keys	

attr

Description 'imei': Include IMEI; 'imsi': Include IMSI; 'msisdn': Include MSISDN; 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

attr-event

Description 'http-requests': Include in HTTP request logs; 'port-mappings': Include in port-mapping logs; 'sessions': Include in session logs;

Type: string

Supported Values: http-requests, port-mappings, sessions, user-data

rule

Specification	
Type	*object*

interim-update-interval

Description Log interim update of NAT mappings (Interim update interval in minutes(Interval is floored to a multiple of 5))

Type: number

Range: 15-120

rule-http-requests

Description: rule-http-requests is a **JSON Block**. Please see below for *rule_rule-http-requests*

Type: Object

rule_rule-http-requests

Specification	
Type	*object*

dest-port

Type: List

disable-sequence-check

Description Disable http packet sequence check and don't drop out of order packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-all-headers

Description Include all configured headers despite of absence in HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-every-http-request

Description Log every HTTP request in an HTTP 1.1 session (Default: Log the first HTTP request in a session)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-len

Description Max length of URL log (Max URL length (Default: 100 char))

Type: number

Range: 100-1000

Default: 128

rule_rule-http-requests_dest-port

Specification	
Type	*list*
Block object keys	

dest-port-number

Description

Type: number

Range: 1-65535

include-byte-count

Description Include the byte count of HTTP Request/Response in CGN session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-log-by-destination

Specification	
Type	*object*

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip6-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip6-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip6-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

rfc-custom

Specification	
Type	*object*

header

Description: header is a **JSON Block**. Please see below for *rfc-custom_header*

Type: Object

message

Description: message is a **JSON Block**. Please see below for *rfc-custom_message*

Type: Object

rfc-custom_header

Specification	
Type	*object*

use-alternate-timestamp

Description Use alternate non-RFC5424 compliant timestamp. Ex: 1990 Jan 15 12:30:30

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rfc-custom_message

Specification	
Type	*object*

dhcpv6-map-prefix-assigned

Description MAP DHCPv6 prefix assigned

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

dhcpv6-map-prefix-released

Description MAP DHCPv6 prefix released

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

dhcpv6-map-prefix-renewed

Description MAP DHCPv6 prefix renewed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-request-got

Description HTTP request got (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ipv6-tech

Type: List

session-created

Description Session created (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

session-deleted

Description Session deleted (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rfc-custom_message_ipv6-tech

Specification	
Type	*list*
Block object keys	

fixed-nat-allocated

Description Fixed-NAT allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fixed-nat-freed

Description Fixed-NAT freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-allocated

Description Port allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-allocated

Description Port Batch allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-freed

Description Port Batch freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-v2-allocated

Description Port Batch v2 allocated (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-batch-v2-freed

Description Port Batch v2 freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

port-freed

Description Port freed (Custom message string. Should be in the format of "MSGID [STRUCTURED-DATA] MSG")

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

tech-type

Description 'lsn': LSN; 'nat64': NAT64; 'ds-lite': DS-Lite; 'sixrd-nat64': 6rd-NAT64;

Type: string

Supported Values: lsn, nat64, ds-lite, sixrd-nat64

2.19.251 cgnv6 template logging disable-log-by-destination

Disable logging by destination protocol and port

disable-log-by-destination Specification

Type	*Configuration Resource*
Element Name	disable-log-by-destination
Element URI	/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination
Element Attributes	disable-log-by-destination_attributes
Schema	`disable-log-by-destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

Get Object

GET

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

Modify Object

POST

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

Delete Object

DELETE

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

disable-log-by-destination attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip6-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.19.252 cgnv6 template logging disable-log-by-destination ip

Configure a filter IP enrty

ip Specification

Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ip-list*
Collection URI	/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip
Element Name	ip
Element URI	/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip

ip attributes

Create List

POST

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip

ip attributes

Get Object

GET

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Get List

GET

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip

ip-list

Modify Object

POST

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace List

PUT

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip

ip-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.19.253 cgnv6 template logging disable-log-by-destination ip6

Configure a filter IPv6 enrty

ip6 Specification

Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ip6-list*
Collection URI	/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6
Element Name	ip6
Element URI	/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}
Element Attributes	ip6_attributes
Schema	`ip6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6

ip6 attributes

Create List

POST

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6

ip6 attributes

Get Object

GET

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Get List

GET

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6

ip6-list

Modify Object

POST

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace List

PUT

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6

ip6-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

ip6-list

ip6-list is **JSON List** of *ip6 attributes*

ip6-list : [

{ *ip6 attributes* },

{ *ip6 attributes* },

...

]

ip6 attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.19.254 cgnv6 template logging source-address

Specify source address of logging packet

source-address Specification

Type	*Configuration Resource*
Element Name	source-address
Element URI	/axapi/v3/cgnv6/template/logging/{name}/source-address
Element Attributes	source-address_attributes
Schema	`source-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/logging/{name}/source-address

source-address attributes

Get Object

GET

/axapi/v3/cgnv6/template/logging/{name}/source-address

source-address attributes

Modify Object

POST

/axapi/v3/cgnv6/template/logging/{name}/source-address

source-address attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/logging/{name}/source-address

source-address attributes

Delete Object

DELETE

/axapi/v3/cgnv6/template/logging/{name}/source-address

source-address attributes

source-address attributes

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.255 cgnv6 template pcp

Port Control Protocol Template

pcp Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*pcp-list*
Collection URI	/axapi/v3/cgnv6/template/pcp
Element Name	pcp
Element URI	/axapi/v3/cgnv6/template/pcp/{name}
Element Attributes	pcp_attributes
Schema	`pcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/pcp

pcp attributes

```
POST /axapi/v3/cgnv6/template/pcp/
Payload:
{
    "pcp": {
```

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```
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/template/pcp

pcp attributes

Get Object

GET

/axapi/v3/cgnv6/template/pcp/{name}

pcp attributes

```
GET /axapi/v3/cgnv6/template/pcp/a
Reponse:
{
    "pcp": {
        "name": "a",
        "allow-third-party-from-lan": 0,
        "allow-third-party-from-wan": 0,
        "check-client-nonce": 0,
        "disable-map-filter": 0,
        "announce": 0,
        "map": 0,
        "peer": 0,
        "maximum": 1440,
        "minimum": 2,
        "pcp-server-port": 5351,
        "uuid": "5b7ed4ea-6030-11d9-b769-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/cgnv6/template/pcp/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/template/pcp

pcp-list

Modify Object

POST

/axapi/v3/cgnv6/template/pcp/{name}

pcp attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/pcp/{name}

pcp attributes

```
PUT /axapi/v3/cgnv6/template/pcp/a
Payload:
{
    "pcp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/template/pcp

pcp-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/pcp/{name}

pcp attributes

```
DELETE /axapi/v3/cgnv6/template/pcp/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pcp-list

pcp-list is **JSON List** of *pcp attributes*

pcp-list : [

{ *pcp attributes* },

{ *pcp attributes* },

...

]

pcp attributes

allow-third-party-from-lan

Description Allow third party request coming from LAN (default is disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-third-party-from-wan

Description Allow third party request coming from WAN (default is disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

announce

Description PCP ANNOUNCE Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

check-client-nonce

Description To validate NONCE value in PCP request (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-map-filter

Description To disable processing of FILTER options in MAP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map

Description PCP MAP Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum

Description To set maximum lifetime of PCP mappings (default 1440 minutes)

Type: number

Range: 2-1440

Default: 1440

minimum

Description To set minimum lifetime of PCP mappings (default 2 minutes)

Type: number

Range: 2-1440

Default: 2

name

Description PCP Template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pcp-server-port

Description PCP server listening port (default 5351) (PCP UDP destination port)

Type: number

Range: 1024-65535

Default: 5351

peer

Description PCP PEER Opcode (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-ip

Description Specify source IP address for IPv4 ANNOUNCE message

Type: string

Format: ipv4-address

source-ipv6

Description Specify source IPv6 address for IPv6 ANNOUNCE message

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.19.256 cgnv6 template policy

Policy config

policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*policy-list*
Collection URI	/axapi/v3/cgnv6/template/policy
Element Name	policy
Element URI	/axapi/v3/cgnv6/template/policy/{name}
Element Attributes	policy_attributes
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/policy

policy attributes

```
POST /axapi/v3/cgnv6/template/policy/
Payload:
{
    "policy": {
        "name": "a"
    }
}
```

Create List

POST

/axapi/v3/cgnv6/template/policy

policy attributes

Get Object

GET

/axapi/v3/cgnv6/template/policy/{name}

policy attributes

```
GET /axapi/v3/cgnv6/template/policy/a
Reponse:
{
    "policy": {
        "name": "a",
        "uuid": "93e5b0ec-6030-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/template/policy/a"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/template/policy

policy-list

Modify Object

POST

/axapi/v3/cgnv6/template/policy/{name}

policy attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/policy/{name}

policy attributes

```
PUT /axapi/v3/cgnv6/template/policy/a
Payload:
{
    "policy": {
        "name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/template/policy

policy-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/policy/{name}

policy attributes

```
DELETE /axapi/v3/cgnv6/template/policy/a
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}/class-list*

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list

Specification	
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

dns64

Description: dns64 is a **JSON Block**. Please see below for *class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 0-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list_dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

2.19.257 cgnv6 template policy class-list

Configure classification list

class-list Specification

Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/cgnv6/template/policy/{name}/class-list
Element Attributes	class-list_attributes
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/policy/{name}/class-list

class-list attributes

```
POST /axapi/v3/cgnv6/template/policy/a/class-list
Payload:
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 1
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/template/policy/{name}/class-list

class-list attributes

```
GET /axapi/v3/cgnv6/template/policy/a/class-list
Reponse:
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 1,
        "uuid": "a5d54a88-6030-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/template/policy/a/class-list"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/template/policy/{name}/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/policy/{name}/class-list

class-list attributes

```
PUT /axapi/v3/cgnv6/template/policy/a/class-list
Payload:
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/cgnv6/template/policy/{name}/class-list

class-list attributes

```
DELETE /axapi/v3/cgnv6/template/policy/a/class-list
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

class-list attributes

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Refernce Object: */axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

dns64

Description: dns64 is a **JSON Block**. Please see below for *lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 0-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

2.19.258 cgnv6 template policy class-list lid

Limit ID

lid Specification

Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/cgnv6/template/policy/{name}/class-list/lid
Element Name	lid
Element URI	/axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}
Element Attributes	lid_attributes
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/template/policy/{name}/class-list/lid

lid attributes

Create List

POST

/axapi/v3/cgnv6/template/policy/{name}/class-list/lid

lid attributes

Get Object

GET

/axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/cgnv6/template/policy/{name}/class-list/lid

lid-list

Modify Object

POST

/axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/cgnv6/template/policy/{name}/class-list/lid

lid-list

Delete Object

DELETE

/axapi/v3/cgnv6/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

...

]

lid attributes

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-31

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 0-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

2.19.259 cgnv6 translation

Configure CGN translation timeout values

translation Specification

Type	*Configuration Resource*
Element Name	translation
Element URI	/axapi/v3/cgnv6/translation
Element Attributes	translation_attributes
Schema	`translation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/translation

translation attributes

```
POST /axapi/v3/cgnv6/translation
Payload:
{
    "translation": {
        "service-timeout-list": [
            {
                "service-type": "tcp",
                "port": 1,
                "timeout-val": 2,
                "port-end": 1
            }
        ],
        "icmp-timeout": {
            "icmp-timeout-val": 2
        }
    }
}
```

Get Object

GET

/axapi/v3/cgnv6/translation

translation attributes

```
GET /axapi/v3/cgnv6/translation
Reponse:
{
    "translation": {
        "icmp-timeout": {
            "icmp-timeout-val": 2
        },
        "tcp-timeout": 300,
        "udp-timeout": 300,
        "uuid": "5abe5524-5c04-11d9-835e-001fa00680a0",
        "service-timeout-list": [
            {
                "service-type": "tcp",
                "port": 1,
                "port-end": 1,
                "timeout-val": 2,
                "uuid": "ee3c8bce-6030-11d9-b769-001fa00680a0",
                "a10-url": "/axapi/v3/cgnv6/translation/service-timeout/tcp+1"
            }
        ],
        "a10-url": "/axapi/v3/cgnv6/translation"
    }
}
```

Modify Object

POST

/axapi/v3/cgnv6/translation

translation attributes

Replace Object

PUT

/axapi/v3/cgnv6/translation

translation attributes

Delete Object

DELETE

/axapi/v3/cgnv6/translation

translation attributes

```
DELETE /axapi/v3/cgnv6/translation
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

translation attributes

icmp-timeout

Description: icmp-timeout is a **JSON Block**. Please see below for *icmp-timeout*

Type: Object

service-timeout-list

Type: List

Refernce Object: */axapi/v3/cgnv6/translation/service-timeout/{service-type}+{port}*

tcp-timeout

Description TCP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

udp-timeout

Description UDP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-timeout-list

Specification	
Type	*list*
Block object keys	

fast

Description Use Fast Aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and timeout-val are mutually exclusive

port

Description Port Number

Type: number

Range: 1-65535

port-end

Description End Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

Mutual Exclusion: timeout-val and fast are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-timeout

Specification	
Type	*object*

fast

Description Use Fast Aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and icmp-timeout-val are mutually exclusive

icmp-timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

Mutual Exclusion: icmp-timeout-val and fast are mutually exclusive

2.19.260 cgnv6 translation service-timeout

Specify any custom service timeout

service-timeout Specification

Type	*Collection*
Object Key(s)	*service-type, port*
Collection Name	*service-timeout-list*
Collection URI	/axapi/v3/cgnv6/translation/service-timeout
Element Name	service-timeout
Element URI	/axapi/v3/cgnv6/translation/service-timeout/{service-type}+{port}
Element Attributes	service-timeout_attributes
Schema	`service-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cgnv6/translation/service-timeout

service-timeout attributes

```
POST /axapi/v3/cgnv6/translation/service-timeout/
Payload:
{
    "service-timeout": {
        "service-type": "tcp",
        "port": 1,
        "timeout-val": 2,
        "port-end": 1
    }
}
```

Create List

POST

/axapi/v3/cgnv6/translation/service-timeout

service-timeout attributes

Get Object

GET

/axapi/v3/cgnv6/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
GET /axapi/v3/cgnv6/translation/service-timeout/tcp+1
Reponse:
{
    "service-timeout": {
        "service-type": "tcp",
        "port": 1,
        "port-end": 1,
        "timeout-val": 2,
        "uuid": "05e593ec-6031-11d9-b769-001fa00680a0",
        "a10-url": "/axapi/v3/cgnv6/translation/service-timeout/tcp+1"
    }
}
```

Get List

GET

/axapi/v3/cgnv6/translation/service-timeout

service-timeout-list

Modify Object

POST

/axapi/v3/cgnv6/translation/service-timeout/{service-type}+{port}

service-timeout attributes

Replace Object

PUT

/axapi/v3/cgnv6/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
PUT /axapi/v3/cgnv6/translation/service-timeout/tcp+1
Payload:
{
    "service-timeout": {
        "service-type": "tcp",
        "port": 1,
        "timeout-val": 3,
        "port-end": 2
    }
}
```

Replace List

PUT

/axapi/v3/cgnv6/translation/service-timeout

service-timeout-list

Delete Object

DELETE

/axapi/v3/cgnv6/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
DELETE /axapi/v3/cgnv6/translation/service-timeout/tcp+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

service-timeout-list

service-timeout-list is **JSON List** of *service-timeout attributes*

service-timeout-list : [

{ *service-timeout attributes* },

{ *service-timeout attributes* },

...

]

service-timeout attributes

fast

Description Use Fast Aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fast and timeout-val are mutually exclusive

port

Description Port Number

Type: number

Range: 1-65535

port-end

Description End Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

Mutual Exclusion: timeout-val and fast are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.20 chassis-application-type

Objects:

2.20.1 chassis-application-type

Configure application to be used for chassis (ADC/CGNv6)

chassis-application-type Specification

Type	*Configuration Resource*
Element Name	chassis-application-type
Element URI	/axapi/v3/chassis-application-type
Element Attributes	chassis-application-type_attributes
Schema	`chassis-application-type schema`

Operations Allowed:

Create Object

POST

/axapi/v3/chassis-application-type

chassis-application-type attributes

Get Object

GET

/axapi/v3/chassis-application-type

chassis-application-type attributes

Modify Object

POST

/axapi/v3/chassis-application-type

chassis-application-type attributes

Replace Object

PUT

/axapi/v3/chassis-application-type

chassis-application-type attributes

Delete Object

DELETE

/axapi/v3/chassis-application-type

chassis-application-type attributes

chassis-application-type attributes

type

Description 'adc': Application type ADC; 'cgnv6': Application type CGNv6;

Type: string

Supported Values: adc, cgnv6

Default: cgnv6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.21 class-list

Objects:

2.21.1 class-list

Configure classification list

class-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*class-list-list*
Collection URI	/axapi/v3/class-list
Element Name	class-list
Element URI	/axapi/v3/class-list/{name}
Element Attributes	class-list_attributes
Operational Data URI	/axapi/v3/class-list/{name}/oper
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/class-list

class-list attributes

```
POST /axapi/v3/class-list/
Payload:
{
    "class-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/class-list

class-list attributes

Get Object

GET

/axapi/v3/class-list/{name}

class-list attributes

```
GET /axapi/v3/class-list/a
Reponse:
{
    "class-list": {
        "name": "a",
        "file": 0,
        "uuid": "14a6939c-60ca-11d9-92b2-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/class-list/a"
    }
}
```

Get List

GET

/axapi/v3/class-list

class-list-list

Modify Object

POST

/axapi/v3/class-list/{name}

class-list attributes

Replace Object

PUT

/axapi/v3/class-list/{name}

class-list attributes

```
PUT /axapi/v3/class-list/a
Payload:
{
    "class-list": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/class-list

class-list-list

Delete Object

DELETE

/axapi/v3/class-list/{name}

class-list attributes

```
DELETE /axapi/v3/class-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

class-list-list

class-list-list is **JSON List** of *class-list attributes*

class-list-list : [

{ *class-list attributes* },

{ *class-list attributes* },

...

]

class-list attributes

ac-list

Type: List

dns

Type: List

file

Description Create/Edit a class-list stored as a file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-list

Type: List

ipv6-list

Type: List

name

Description Specify name of the class list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

type

Description 'ac': Make class-list type Aho-Corasick; 'dns': Make class-list type DNS; 'ipv4': Make class-list type IPv4; 'ipv6': Make class-list type IPv6; 'string': Make class-list type String; 'string-case-insensitive': Make class-list type String-case-insensitive. Case insensitive is applied to key string;

Type: string

Supported Values: ac, dns, ipv4, ipv6, string, string-case-insensitive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-list

Specification	
Type	*list*
Block object keys	

age

Description Specify age in minutes

Type: number

Range: 1-2000

glid

Description Use global Limit ID (Specify global LID index)

Type: number

Range: 1-1023

Mutual Exclusion: glidlid, shared-partition-glid, lsn-lid, lsn-radius-profile and gtp-rate-limit-policy-v4 are mutually exclusive

Refernce Object: */axapi/v3/glid*

glid-shared

Description Use global Limit ID

Type: number

Range: 1-1023

Refernce Object: */axapi/v3/glid*

gtp-rate-limit-policy-v4

Description GTP Rate Limit Template Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: gtp-rate-limit-policy-v4lid, glid, lsn-lid and lsn-radius-profile are mutually exclusive

Refernce Object: */axapi/v3/template/gtp/rate-limit-policy*

ipv4addr

Description Specify IP address

Type: string

Format: ipv4-cidr

lid

Description Use Limit ID defined in template (Specify LID index)

Type: number

Range: 1-1023

Mutual Exclusion: lidglid-num, glid, lsn-lid, lsn-radius-profile, gtp-rate-limit-policy-v4, v6-glid and dns-glid are mutually exclusive

lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

Mutual Exclusion: lsn-lidlid, glid, lsn-radius-profile and gtp-rate-limit-policy-v4 are mutually exclusive

lsn-radius-profile

Description LSN RADIUS Profile Index

Type: number

Range: 1-16

Mutual Exclusion: lsn-radius-profilelid, glid, lsn-lid and gtp-rate-limit-policy-v4 are mutually exclusive

shared-partition-glid

Description Reference a glid from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-glid and glid are mutually exclusive

str-list

Specification	
Type	*list*
Block object keys	

shared-partition-str-glid

Description Reference a glid from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-str-glid and str-glid are mutually exclusive

str

Description Specify key string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

str-glid

Description Global LID index

Type: number

Range: 1-1023

Mutual Exclusion: str-glid and shared-partition-str-glid are mutually exclusive

Refernce Object: */axapi/v3/glid*

str-glid-dummy

Description Use global Limit ID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: str-glid-dummy and str-lid-dummy are mutually exclusive

str-glid-shared

Description Use global Limit ID

Type: number

Range: 1-1023

Refernce Object: */axapi/v3/glid*

str-lid

Description LID index

Type: number

Range: 1-1023

str-lid-dummy

Description Use Limit ID defined in template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: str-lid-dummy and str-glid-dummy are mutually exclusive

value-str

Description Specify value string

Type: string

Format: string-rlx

Maximum Length: 639 characters

Maximum Length: 1 characters

ac-list

Specification	
Type	*list*
Block object keys	

ac-key-string

Description Specify key string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ac-match-type

Description 'contains': String contains another string; 'ends-with': String ends with another string; 'equals': String equals another string; 'starts-with': String starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

ac-value

Description Specify value string

Type: string

Format: string-rlx

Maximum Length: 639 characters

Maximum Length: 1 characters

Mutual Exclusion: ac-value and gtp-rate-limit-policy-str are mutually exclusive

gtp-rate-limit-policy-str

Description GTP Rate Limit Template Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: gtp-rate-limit-policy-str and ac-value are mutually exclusive

Refernce Object: */axapi/v3/template/gtp/rate-limit-policy*

ipv6-list

Specification	
Type	*list*
Block object keys	

gtp-rate-limit-policy-v6

Description GTP Rate Limit Template Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: gtp-rate-limit-policy-v6v6-lid, v6-glid, v6-lsn-lid and v6-lsn-radius-profile are mutually exclusive

Refernce Object: */axapi/v3/template/gtp/rate-limit-policy*

ipv6-addr

Description Specify IPv6 host or subnet

Type: string

Format: ipv6-address-plen

shared-partition-v6-glid

Description Reference a glid from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-v6-glid and v6-glid are mutually exclusive

v6-age

Description Specify age in minutes

Type: number

Range: 1-2000

v6-glid

Description Use global Limit ID (Specify global LID index)

Type: number

Range: 1-1023

Mutual Exclusion: v6-glidlid, shared-partition-v6-glid, v6-lsn-lid, v6-lsn-radius-profile and gtp-rate-limit-policy-v6 are mutually exclusive

Refernce Object: */axapi/v3/glid*

v6-glid-shared

Description Use global Limit ID

Type: number

Range: 1-1023

Refernce Object: */axapi/v3/glid*

v6-lid

Description Use Limit ID defined in template (Specify LID index)

Type: number

Range: 1-1023

Mutual Exclusion: v6-lidglid-v6, v6-lsn-lid, v6-lsn-radius-profile and gtp-rate-limit-policy-v6 are mutually exclusive

v6-lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

Mutual Exclusion: v6-lsn-lidv6-lid, v6-glid, v6-lsn-radius-profile and gtp-rate-limit-policy-v6 are mutually exclusive

v6-lsn-radius-profile

Description LSN RADIUS Profile Index

Type: number

Range: 1-16

Mutual Exclusion: v6-lsn-radius-profilev6-lid, v6-glid, v6-lsn-lid and gtp-rate-limit-policy-v6 are mutually exclusive

dns

Specification	
Type	*list*
Block object keys	

dns-glid

Description Use global Limit ID (Specify global LID index)

Type: number

Range: 1-1023

Mutual Exclusion: dns-glid lid and shared-partition-dns-glid are mutually exclusive

Refernce Object: */axapi/v3/glid*

dns-glid-shared

Description Use global Limit ID

Type: number

Range: 1-1023

Refernce Object: */axapi/v3/glid*

dns-lid

Description Use Limit ID defined in template (Specify LID index)

Type: number

Range: 1-1023

Mutual Exclusion: dns-lid and glid-dns are mutually exclusive

dns-match-string

Description Domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

dns-match-type

Description 'contains': Domain contains another string; 'ends-with': Domain ends with another string; 'starts-with': Domain starts-with another string;

Type: string

Supported Values: contains, ends-with, starts-with

shared-partition-dns-glid

Description Reference a glid from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-glid and dns-glid are mutually exclusive

operational data

	Counter	Size	Description
	file-or-string	enum	Output contains one of the following values: - file, config
	ipv6-entries		ipv6-entries
	ac-total-entries	number	ac-total-entries
	ipv6-total-subnet	number	ipv6-total-subnet
	dns-total-entries	number	dns-total-entries
	ipv4-total-subnet	number	ipv4-total-subnet
	dns-entries		dns-entries
	ipv4-entries		ipv4-entries
	ipv4-total-single-ip	number	ipv4-total-single-ip
	user-tag	string	user-tag
	geo-total-entries	number	geo-total-entries
	string-total-entries	number	string-total-entries
	ac-entries		ac-entries
	type	enum	Output contains one of the following values: - ac, dns, ipv4, ipv6, string, string-case-insensitive, [ipv4], [ipv6], [dns], [dns, ipv4], [dns, ipv6]
	string-entries		string-entries
	ipv6-total-single-ip	number	ipv6-total-single-ip

2.22 cloud-services

Objects:

2.22.1 cloud-services

Cloud Services configuration

cloud-services Specification

Type	*Intermediate Resource*
Element Name	cloud-services
Element URI	/axapi/v3/cloud-services
Element Attributes	cloud-services_attributes
Schema	`cloud-services schema`

Operations Allowed:

Get Object

GET

/axapi/v3/cloud-services

cloud-services_attributes

cloud-services attributes

meta-data

Description: meta-data is a **JSON Block**. Please see below for *meta-data*

Type: Object

Refernce Object: */axapi/v3/cloud-services/meta-data*

meta-data

Specification	
Type	*object*

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: disable

prevent-admin-passwd

Description Prevents admin password from being changed if in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-admin-ssh-key

Description Prevents admin ssh-key from being added if in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-autofill

Description prevents use of meta-data to complete user_data configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-blob

Description Prevents a10_blob from loading in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-cloud-service

Description Prevents cloud-service configuration in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-license

Description Prevents a10_license configuration in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-user-ops

Description Prevents user from being added command is in user-data

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-webservice

Description Prevents a10_license configuration in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

provider

Description 'aws': AWS user-data services; 'openstack': OpenStack user-data services;

Type: string

Supported Values: aws, openstack

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.22.2 cloud-services meta-data

user-data Services configuration only works in shared partition

meta-data Specification

Type	*Configuration Resource*
Element Name	meta-data
Element URI	/axapi/v3/cloud-services/meta-data
Element Attributes	meta-data_attributes
Schema	`meta-data schema`

Operations Allowed:

Create Object

POST

/axapi/v3/cloud-services/meta-data

meta-data attributes

Get Object

GET

/axapi/v3/cloud-services/meta-data

meta-data attributes

Modify Object

POST

/axapi/v3/cloud-services/meta-data

meta-data attributes

Replace Object

PUT

/axapi/v3/cloud-services/meta-data

meta-data attributes

Delete Object

DELETE

/axapi/v3/cloud-services/meta-data

meta-data attributes

meta-data attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: disable

prevent-admin-passwd

Description Prevents admin password from being changed if in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-admin-ssh-key

Description Prevents admin ssh-key from being added if in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-autofill

Description prevents use of meta-data to complete user_data configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-blob

Description Prevents a10_blob from loading in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-cloud-service

Description Prevents cloud-service configuration in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-license

Description Prevents a10_license configuration in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-user-ops

Description Prevents user from being added command is in user-data

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prevent-webservice

Description Prevents a10_license configuration in YAML config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

provider

Description 'aws': AWS user-data services; 'openstack': OpenStack user-data services;

Type: string

Supported Values: aws, openstack

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.23 debug

Objects:

2.23.1 debug

Debugging functions

debug Specification

Type	*operational*
Element Name	debug
Element URI	/axapi/v3/debug
Element Attributes	debug_attributes
Schema	`debug schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug

debug attributes

debug attributes

a10support

Description: a10support is a **JSON Block**. Please see below for *a10support*

Type: Object

Refernce Object: */axapi/v3/debug/a10support*

aflex

Description: aflex is a **JSON Block**. Please see below for *aflex*

Type: Object

Refernce Object: */axapi/v3/debug/aflex*

aflow

Description: aflow is a **JSON Block**. Please see below for *aflow*

Type: Object

Refernce Object: */axapi/v3/debug/aflow*

appcls

Description: appcls is a **JSON Block**. Please see below for *appcls*

Type: Object

Refernce Object: */axapi/v3/debug/appcls*

auth

Description: auth is a **JSON Block**. Please see below for *auth*

Type: Object

Refernce Object: */axapi/v3/debug/auth*

backtrace

Description: backtrace is a **JSON Block**. Please see below for *backtrace*

Type: Object

Refernce Object: */axapi/v3/debug/backtrace*

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

Refernce Object: */axapi/v3/debug/bgp*

bridge-vlan-group

Description: bridge-vlan-group is a **JSON Block**. Please see below for *bridge-vlan-group*

Type: Object

Refernce Object: */axapi/v3/debug/bridge-vlan-group*

cache

Description: cache is a **JSON Block**. Please see below for *cache*

Type: Object

Refernce Object: */axapi/v3/debug/cache*

cgn

Description: cgn is a **JSON Block**. Please see below for *cgn*

Type: Object

Refernce Object: */axapi/v3/debug/cgn*

cli

Description: cli is a **JSON Block**. Please see below for *cli*

Type: Object

Refernce Object: */axapi/v3/debug/cli*

conn-reuse

Description: conn-reuse is a **JSON Block**. Please see below for *conn-reuse*

Type: Object

Refernce Object: */axapi/v3/debug/conn-reuse*

cpu

Description: cpu is a **JSON Block**. Please see below for *cpu*

Type: Object

Refernce Object: */axapi/v3/debug/cpu*

diameter

Description: diameter is a **JSON Block**. Please see below for *diameter*

Type: Object

Refernce Object: */axapi/v3/debug/diameter*

dns-cache

Description: dns-cache is a **JSON Block**. Please see below for *dns-cache*

Type: Object

Refernce Object: */axapi/v3/debug/dns-cache*

dns-rrl

Description: dns-rrl is a **JSON Block**. Please see below for *dns-rrl*

Type: Object

Refernce Object: */axapi/v3/debug/dns-rrl*

drop

Description: drop is a **JSON Block**. Please see below for *drop*

Type: Object

Refernce Object: */axapi/v3/debug/drop*

dumpthread

Description: dumpthread is a **JSON Block**. Please see below for *dumpthread*

Type: Object

Refernce Object: */axapi/v3/debug/dumpthread*

es

Description: es is a **JSON Block**. Please see below for *es*

Type: Object

Refernce Object: */axapi/v3/debug/es*

fix

Description: fix is a **JSON Block**. Please see below for *fix*

Type: Object

Refernce Object: */axapi/v3/debug/fix*

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Refernce Object: */axapi/v3/debug/ftp*

ftp-proxy

Description: ftp-proxy is a **JSON Block**. Please see below for *ftp-proxy*

Type: Object

Refernce Object: */axapi/v3/debug/ftp-proxy*

fw

Description: fw is a **JSON Block**. Please see below for *fw*

Type: Object

Refernce Object: */axapi/v3/debug/fw*

generic-proxy

Description: generic-proxy is a **JSON Block**. Please see below for *generic-proxy*

Type: Object

Refernce Object: */axapi/v3/debug/generic-proxy*

gslb

Description: gslb is a **JSON Block**. Please see below for *gslb*

Type: Object

Refernce Object: */axapi/v3/debug/gslb*

gtp

Description: gtp is a **JSON Block**. Please see below for *gtp*

Type: Object

Refernce Object: */axapi/v3/debug/gtp*

h323

Description: h323 is a **JSON Block**. Please see below for *h323*

Type: Object

Refernce Object: */axapi/v3/debug/h323*

ha

Description: ha is a **JSON Block**. Please see below for *ha*

Type: Object

Refernce Object: */axapi/v3/debug/ha*

hc

Description: hc is a **JSON Block**. Please see below for *hc*

Type: Object

Refernce Object: */axapi/v3/debug/hc*

hm

Description: hm is a **JSON Block**. Please see below for *hm*

Type: Object

Refernce Object: */axapi/v3/debug/hm*

http-proxy

Description: http-proxy is a **JSON Block**. Please see below for *http-proxy*

Type: Object

Refernce Object: */axapi/v3/debug/http-proxy*

http2

Description: http2 is a **JSON Block**. Please see below for *http2*

Type: Object

Refernce Object: */axapi/v3/debug/http2*

hw-compression

Description: hw-compression is a **JSON Block**. Please see below for *hw-compression*

Type: Object

Refernce Object: */axapi/v3/debug/hw-compression*

imap-proxy

Description: imap-proxy is a **JSON Block**. Please see below for *imap-proxy*

Type: Object

Refernce Object: */axapi/v3/debug/imap-proxy*

imish

Description: imish is a **JSON Block**. Please see below for *imish*

Type: Object

Refernce Object: */axapi/v3/debug/imish*

imish-profile

Description: imish-profile is a **JSON Block**. Please see below for *imish-profile*

Type: Object

Refernce Object: */axapi/v3/debug/imish-profile*

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/debug/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/debug/isis*

l2-redirect

Description: l2-redirect is a **JSON Block**. Please see below for *l2-redirect*

Type: Object

Refernce Object: */axapi/v3/debug/l2-redirect*

l4

Description: l4 is a **JSON Block**. Please see below for *l4*

Type: Object

Refernce Object: */axapi/v3/debug/l4*

l7session

Description: l7session is a **JSON Block**. Please see below for *l7session*

Type: Object

Refernce Object: */axapi/v3/debug/l7session*

lacp

Description: lacp is a **JSON Block**. Please see below for *lacp*

Type: Object

Refernce Object: */axapi/v3/debug/lacp*

layer2

Description: layer2 is a **JSON Block**. Please see below for *layer2*

Type: Object

Refernce Object: */axapi/v3/debug/layer2*

lb

Description: lb is a **JSON Block**. Please see below for *lb*

Type: Object

Refernce Object: */axapi/v3/debug/lb*

link-probe

Description: link-probe is a **JSON Block**. Please see below for *link-probe*

Type: Object

Refernce Object: */axapi/v3/debug/link-probe*

list_all_cli

Description: list_all_cli is a **JSON Block**. Please see below for *list_all_cli*

Type: Object

Refernce Object: */axapi/v3/debug/list_all_cli*

local-log

Description: local-log is a **JSON Block**. Please see below for *local-log*

Type: Object

Refernce Object: */axapi/v3/debug/local-log*

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

Refernce Object: */axapi/v3/debug/logging*

lsn

Description: lsn is a **JSON Block**. Please see below for *lsn*

Type: Object

Refernce Object: */axapi/v3/debug/lsn*

management

Description: management is a **JSON Block**. Please see below for *management*

Type: Object

Refernce Object: */axapi/v3/debug/management*

mgcp

Description: mgcp is a **JSON Block**. Please see below for *mgcp*

Type: Object

Refernce Object: */axapi/v3/debug/mgcp*

migration

Description: migration is a **JSON Block**. Please see below for *migration*

Type: Object

Refernce Object: */axapi/v3/debug/migration*

mlb

Description: mlb is a **JSON Block**. Please see below for *mlb*

Type: Object

Refernce Object: */axapi/v3/debug/mlb*

monitor

Description: monitor is a **JSON Block**. Please see below for *monitor*

Type: Object

Refernce Object: */axapi/v3/debug/monitor*

mqtt

Description: mqtt is a **JSON Block**. Please see below for *mqtt*

Type: Object

Refernce Object: */axapi/v3/debug/mqtt*

msg-proxy

Description: msg-proxy is a **JSON Block**. Please see below for *msg-proxy*

Type: Object

Refernce Object: */axapi/v3/debug/msg-proxy*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/debug/ospf*

packet

Description: packet is a **JSON Block**. Please see below for *packet*

Type: Object

Refernce Object: */axapi/v3/debug/packet*

packet-capture

Description: packet-capture is a **JSON Block**. Please see below for *packet-capture*

Type: Object

Refernce Object: */axapi/v3/debug/packet-capture*

polltech-enable

Description: polltech-enable is a **JSON Block**. Please see below for *polltech-enable*

Type: Object

Refernce Object: */axapi/v3/debug/polltech-enable*

pop3-proxy

Description: pop3-proxy is a **JSON Block**. Please see below for *pop3-proxy*

Type: Object

Refernce Object: */axapi/v3/debug/pop3-proxy*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/debug/rip*

rt

Description: rt is a **JSON Block**. Please see below for *rt*

Type: Object

Refernce Object: */axapi/v3/debug/rt*

scaleout

Description: scaleout is a **JSON Block**. Please see below for *scaleout*

Type: Object

Refernce Object: */axapi/v3/debug/scaleout*

sctp

Description: sctp is a **JSON Block**. Please see below for *sctp*

Type: Object

Refernce Object: */axapi/v3/debug/sctp*

sess

Description: sess is a **JSON Block**. Please see below for *sess*

Type: Object

Refernce Object: */axapi/v3/debug/sess*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/debug/sip*

smpp

Description: smpp is a **JSON Block**. Please see below for *smpp*

Type: Object

Refernce Object: */axapi/v3/debug/smpp*

smtp

Description: smtp is a **JSON Block**. Please see below for *smtp*

Type: Object

Refernce Object: */axapi/v3/debug/smtp*

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Refernce Object: */axapi/v3/debug/snmp*

ssl

Description: ssl is a **JSON Block**. Please see below for *ssl*

Type: Object

Refernce Object: */axapi/v3/debug/ssl*

ssli

Description: ssli is a **JSON Block**. Please see below for *ssli*

Type: Object

Refernce Object: */axapi/v3/debug/ssli*

system

Description: system is a **JSON Block**. Please see below for *system*

Type: Object

Refernce Object: */axapi/v3/debug/system*

table-sync-event

Description: table-sync-event is a **JSON Block**. Please see below for *table-sync-event*

Type: Object

Refernce Object: */axapi/v3/debug/table-sync-event*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/debug/tcp*

threat-intel

Description: threat-intel is a **JSON Block**. Please see below for *threat-intel*

Type: Object

Refernce Object: */axapi/v3/debug/threat-intel*

tunnel

Description: tunnel is a **JSON Block**. Please see below for *tunnel*

Type: Object

Refernce Object: */axapi/v3/debug/tunnel*

vector

Description: vector is a **JSON Block**. Please see below for *vector*

Type: Object

Refernce Object: */axapi/v3/debug/vector*

visibility

Description: visibility is a **JSON Block**. Please see below for *visibility*

Type: Object

Refernce Object: */axapi/v3/debug/visibility*

vpn

Description: vpn is a **JSON Block**. Please see below for *vpn*

Type: Object

Refernce Object: */axapi/v3/debug/vpn*

vtep-error

Description: vtep-error is a **JSON Block**. Please see below for *vtep-error*

Type: Object

Refernce Object: */axapi/v3/debug/vtep-error*

vtep-event

Description: vtep-event is a **JSON Block**. Please see below for *vtep-event*

Type: Object

Refernce Object: */axapi/v3/debug/vtep-event*

vtep-packet

Description: vtep-packet is a **JSON Block**. Please see below for *vtep-packet*

Type: Object

Refernce Object: */axapi/v3/debug/vtep-packet*

waf

Description: waf is a **JSON Block**. Please see below for *waf*

Type: Object

Refernce Object: */axapi/v3/debug/waf*

web-category

Description: web-category is a **JSON Block**. Please see below for *web-category*

Type: Object

Refernce Object: */axapi/v3/debug/web-category*

lsn

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-error

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

h323

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

imap-proxy

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aflex

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vpn

Specification	
Type	*object*

ike-gateway

Description Specify IKE gateway name (gateway filter name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ike-gateway*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

strict

Description Only record the logs that can match Ike-gateway name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lb

Specification	
Type	*object*

all

Description Load Balancing debug all switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cfg

Description Load Balancing configuration debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clb

Description Cache Load Balancing debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

flow

Description Packet flow debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fwlb

Description Firewall Load Balancing debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

llb

Description Link Load Balancing debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description Server Load Balancing debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cli

Specification	
Type	*object*

all

Description CLI all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io

Description CLI debug input-output switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parser

Description CLI debug parser switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bridge-vlan-group

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fix

Specification	
Type	*object*

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cache

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dumpthread

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp

Specification	
Type	*object*

level

Description Debug level (Level 1: Errors Level 2: Minimal_info Level 3: Detailed_info)

Type: number

Range: 1-3

Default: 1

packet

Description Debug GTP packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mqtt

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

imish-profile

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

appcls

Specification	
Type	*object*

level

Description '1': Display critical errors only; '2': Display all unusual results; '3': Display all appcls engine information;

Type: string

Supported Values: 1, 2, 3

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

generic-proxy

Specification	
Type	*object*

debug-level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-proxy

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth

Specification	
Type	*object*

authd

Description enable detail authd log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-addr

Description Filter SAML logs by client IP address

Type: string

Format: ipv4-address

level

Description '1': Diagnose Problems; '2': Detail packet flow;

Type: string

Supported Values: 1, 2

saml

Description Enable debug SAML authentication logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml-sp

Description Filter SAML logs by SAML service provider name (SAML SP name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Show the logs of specific username (User name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-server

Description Show the logs of specific virtual-server (Virtual-server name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ssl

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

stack

Description Debug TCP stack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

layer2

Specification	
Type	*object*

all

Description Layer2 all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

arp

Description Layer2 debug arp switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface

Description Layer2 debug interface switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misc

Description Layer2 debug misc switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trace

Description Layer2 debug trace switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description Layer2 debug vlan switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vector

Specification	
Type	*object*

error

Description Debug logs for vector errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description Debug logs for vector packet flow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trace

Description Debug logs for vector callbacks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

imish

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

msg-proxy

Specification	
Type	*object*

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

backtrace

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet

Specification	
Type	*object*

all

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all-ipv4

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all-ipv6

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all-tcp-ports

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all-udp-ports

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

arp

Description ARP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

count

Description Maximum packets to capture. Default is 3000 (Specify maximum packet number. For unlimited, specify 0)

Type: number

Range: 0-65535

detail

Description Print packet content

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface number

Type: number

Format: interface

icmp

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface

Description Interface to debug

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4ad

Description IP Address

Type: string

Format: ipv4-address

ipv6

Description IPV6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6ad

Description IPV6 Address

Type: string

Format: ipv6-address

l3-protocol

Description Layer 3 protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4-protocol

Description Layer 4 protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor

Description IPv6 Neighbor/Router

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-range

Description Port Number

Type: number

Range: 1-65535

tcp

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description ve number

Type: number

Range: 2-4094

migration

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

es

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aflow

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l2-redirect

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp

Specification	
Type	*object*

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgn

Specification	
Type	*object*

drops

Description Debug logs for packet drops in CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description Debug logs for errors in CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-probe

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-packet

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rt

Specification	
Type	*object*

all

Description Routing all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

check

Description ROUTING debug check switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

command

Description Routing debug command switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor

Specification	
Type	*object*

all-slots

Description Display debug output of both Master and Blade

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cpuid

Description CPU id to debug (0,1,. . .)

Type: number

Range: 0-65535

filename

Description Filename to save debug output

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

filesize

Description maximum file size to save debug messages (MB)

Type: number

Range: 1-300

Default: 1

no-stop

Description Donot spawn another rimacli

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description timeout to stop debug monitor in minutes

Type: number

Range: 1-9999

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging

Specification	
Type	*object*

all

Description Logging all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

command

Description Logging debug command switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description Logging debug error switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp

Specification	
Type	*object*

all

Description all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening

Description BGP Dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description BGP events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filters

Description BGP filters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fsm

Description BGP Finite State Machine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

in

Description Inbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keepalives

Description BGP keepalives

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nht

Description NHT message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description NSM message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

updates

Description BGP updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

all

Description: all is a **JSON Block**. Please see below for *ospf_all*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/all*

bfd

Description: bfd is a **JSON Block**. Please see below for *ospf_bfd*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/bfd*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description: events is a **JSON Block**. Please see below for *ospf_events*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/events*

ifsm

Description: ifsm is a **JSON Block**. Please see below for *ospf_ifsm*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/ifsm*

lsa

Description: lsa is a **JSON Block**. Please see below for *ospf_lsa*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/lsa*

nfsm

Description: nfsm is a **JSON Block**. Please see below for *ospf_nfsm*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/nfsm*

nsm

Description: nsm is a **JSON Block**. Please see below for *ospf_nsm*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/nsm*

packet

Description: packet is a **JSON Block**. Please see below for *ospf_packet*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/packet*

route

Description: route is a **JSON Block**. Please see below for *ospf_route*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/route*

ospf_all

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ifsm

Specification	
Type	*object*

events

Description IFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description IFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description IFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_lsa

Specification	
Type	*object*

flooding

Description LSA Flooding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gererate

Description LSA Generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description LSA Installation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maxage

Description LSA MaxAge processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

refresh

Description LSA Refreshment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_route

Specification	
Type	*object*

ase

Description External route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ia

Description Inter-Area route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description Route installation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description SPF calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_bfd

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_nfsm

Specification	
Type	*object*

events

Description NFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description NFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description NFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_packet

Specification	
Type	*object*

dd

Description OSPFv3 Database Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detail information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello

Description OSPFv3 Hello

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-ack

Description OSPFv3 Link State Acknowledgment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-request

Description OSPFv3 Link State Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-update

Description OSPFv3 Link State Update

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description Packet received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description Packet sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_events

Specification	
Type	*object*

abr

Description OSPF ABR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

asbr

Description OSPF ASBR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

os

Description OS events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description Other router events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlink

Description Virtual-Link event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_nsm

Specification	
Type	*object*

interface

Description NSM interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description NSM redistribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

diameter

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

table-sync-event

Specification	
Type	*object*

all

Description all Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: allmac, arp, nd6, fibv4 and fibv6 are mutually exclusive

arp

Description ARP Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: arpall, mac, nd6, fibv4 and fibv6 are mutually exclusive

fibv4

Description IPv4 FIB Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fibv4all, mac, arp, nd6 and fibv6 are mutually exclusive

fibv6

Description IPv6 FIB Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fibv6all, mac, arp, nd6 and fibv4 are mutually exclusive

mac

Description MAC Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: macall, arp, nd6, fibv4 and fibv6 are mutually exclusive

nd6

Description ND6 Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: nd6all, mac, arp, fibv4 and fibv6 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

a10support

Specification	
Type	*object*

duration

Description Duration in minutes

Type: number

Range: 1-10080

Default: 2

password

Description Password to be set

Type: string

Format: password

Maximum Length: 24 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssli

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gslb

Specification	
Type	*object*

glname

Description Debug for matched Geo-location

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

group

Description: group is a **JSON Block**. Please see below for *gslb_group*

Type: Object

Refernce Object: */axapi/v3/debug/gslb/group*

id

Description Specify ID

Type: number

Range: 0-128

Default: 0

ip-addr

Description Debug for matched IP address

Type: string

Format: ipv4-address

ipv6-addr

Description Debug for matched IPv6 address

Type: string

Format: ipv6-address

memory

Description Debug GSLB memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-shot

Description Stop after get 64 states

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description: protocol is a **JSON Block**. Please see below for *gslb_protocol*

Type: Object

Refernce Object: */axapi/v3/debug/gslb/protocol*

state

Description Keep GSLB state information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gslb_group

Specification	
Type	*object*

all

Description All trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Cache trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description EVENTS trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fsm

Description FSM trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description Remote IP address of GSLB controller of the group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipc

Description IPC trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive

Description KEEPALIVE trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message

Description Debug GSLB group message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-all

Description All messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-control

Description GMP control messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-group

Description GMP group messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-keepalive

Description GMP keepalive messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-notify

Description GMP notify messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-open

Description GMP open messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-query

Description GMP query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Name of GSLB group

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

normal

Description Normal trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-ipv4

Description Specify remote IPv4 Address

Type: string

Format: ipv4-address

peer-ipv6

Description Specify remote IPv6 Address

Type: string

Format: ipv6-address

timer

Description Timer trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update

Description Update trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gslb_protocol

Specification	
Type	*object*

active-rdt

Description ARDT trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description All trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Cache trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description EVENTS trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fsm

Description FSM trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description Specify the remote IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipc

Description IPC trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive

Description KEEPALIVE trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message

Description Debug GSLB protocol message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-all

Description All messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-ardt-query

Description GMP ardt-query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-ardt-report

Description GMP ardt-report messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-control

Description GMP control messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-keepalive

Description GMP keepalive messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-notify

Description GMP notify messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-open

Description GMP open messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-query

Description GMP query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-update

Description GMP update messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify the slb device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

normal

Description Normal trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-ipv4

Description Specify remote IPv4 Address

Type: string

Format: ipv4-address

peer-ipv6

Description Specify remote IPv6 Address

Type: string

Format: ipv6-address

timer

Description Timer trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update

Description Update trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hw-compression

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sess

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management

Specification	
Type	*object*

all

Description management all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system

Description management system debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

waf

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp

Specification	
Type	*object*

all

Description SNMP all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description SNMP debug error switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description SNMP debug event switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system

Specification	
Type	*object*

debug_system_enum

Description 'all': System all debug switch; 'aaa': System debug aaa switch; 'import-export': System debug import or export switch; 'ssl': System debug ssl switch;

Type: string

Supported Values: all, aaa, import-export, ssl

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6

Specification	
Type	*object*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/rip*

ipv6_ospf

Specification	
Type	*object*

all

Description: all is a **JSON Block**. Please see below for *ipv6_ospf_all*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/all*

bfd

Description: bfd is a **JSON Block**. Please see below for *ipv6_ospf_bfd*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/bfd*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description: events is a **JSON Block**. Please see below for *ipv6_ospf_events*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/events*

ifsm

Description: ifsm is a **JSON Block**. Please see below for *ipv6_ospf_ifsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/ifsm*

lsa

Description: lsa is a **JSON Block**. Please see below for *ipv6_ospf_lsa*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/lsa*

nfsm

Description: nfsm is a **JSON Block**. Please see below for *ipv6_ospf_nfsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/nfsm*

nsm

Description: nsm is a **JSON Block**. Please see below for *ipv6_ospf_nsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/nsm*

packet

Description: packet is a **JSON Block**. Please see below for *ipv6_ospf_packet*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/packet*

route

Description: route is a **JSON Block**. Please see below for *ipv6_ospf_route*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/route*

ipv6_ospf_all

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_ifsm

Specification	
Type	*object*

events

Description IFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description IFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description IFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_lsa

Specification	
Type	*object*

flooding

Description LSA Flooding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gererate

Description LSA Generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description LSA Installation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maxage

Description LSA MaxAge processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

refresh

Description LSA Refreshment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_route

Specification	
Type	*object*

ase

Description External route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ia

Description Inter-Area route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description Route installation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description SPF calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_bfd

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_nfsm

Specification	
Type	*object*

events

Description NFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description NFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description NFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_packet

Specification	
Type	*object*

dd

Description OSPFv3 Database Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detail information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello

Description OSPFv3 Hello

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-ack

Description OSPFv3 Link State Acknowledgment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-request

Description OSPFv3 Link State Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-update

Description OSPFv3 Link State Update

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description Packet received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description Packet sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_events

Specification	
Type	*object*

abr

Description OSPF ABR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

asbr

Description OSPF ASBR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

os

Description OS events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description Other router events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlink

Description Virtual-Link event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_nsm

Specification	
Type	*object*

interface

Description NSM interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description NSM redistribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip

Specification	
Type	*object*

all

Description Enable all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detailed information display

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description RIPng events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description RIPng and NSM communication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description RIPng packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description RIPng receive packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description RIPng send packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http2

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-proxy

Specification	
Type	*object*

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

visibility

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xflow

Description debug xflow monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-proxy

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hm

Specification	
Type	*object*

level

Description Debug level (Level 1-3)

Type: number

Range: 1-3

method-type

Description 'icmp': ICMP type; 'tcp': TCP type; 'udp': UDP type; 'ftp': FTP type; 'http': HTTP type; 'snmp': SNMP type; 'smtp': SMTP type; 'dns': DNS type; 'dns-tcp': DNS TCP type; 'pop3': POP3 type; 'imap': IMAP type; 'sip': SIP type; 'sip-tcp': SIP TCP type; 'radius': RADIUS type; 'ldap': LDAP type; 'rtsp': RTSP type; 'kerberos-kdc': Kerberos KDC type; 'database': DATABASE type; 'external': EXTERNAL type; 'https': HTTPS type; 'ntp': NTP type; 'compound': Compound type;

Type: string

Supported Values: icmp, tcp, udp, ftp, http, snmp, smtp, dns, dns-tcp, pop3, imap, sip, sip-tcp, radius, ldap, rtsp, kerberos-kdc, database, external, https, ntp, compound

pin-uid

Description Debug Pin Unique Id

Type: number

Range: 1-2000000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hc

Specification	
Type	*object*

anomaly

Description Dump per-request in anomaly cases only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

app-svc-id

Description Application service id (virtual-server_port_protocol)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

error

Description Debug logs for harmony controller (error)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metrics

Description Debug logs for harmony controller (metrics)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

object-uuid

Description UUID of the object to filter

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

per-connection

Description Debug logs for harmony controller (per-connection)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per-request

Description Debug logs for harmony controller (per-request)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

registration

Description Debug logs for harmony controller (registration)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uri

Description URI of the object to filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

scaleout

Specification	
Type	*object*

config

Description Debug logs for scaleout config change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

debug-level

Description Debug level (Level 1-3)

Type: number

Range: 1-3

event

Description Debug logs for scaleout events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description Debug logs for scaleout packet flow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-sync

Description Debug logs for scaleout session sync events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ha

Specification	
Type	*object*

debug-level

Description Debug level (Level 1-7)

Type: number

Range: 1-7

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mlb

Specification	
Type	*object*

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

all

Description Enable all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description IS-IS Events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ifsm

Description IS-IS Interface Finite State Machine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsp

Description IS-IS Link State PDU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nfsm

Description IS-IS Neighbor Finite State Machine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description IS-IS NSM information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu

Description IS-IS Protocol Data Unit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description IS-IS SPF Calculation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lacp

Specification	
Type	*object*

all

Description all - turn on all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cli

Description cli - echo commands to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description detail - echo timer start/stop to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description event - echo events to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha

Description ha - echo High availability events to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description packet - echo packet contents to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sync

Description sync - echo synchronization to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timer

Description timer - echo timer expiry to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smpp

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

threat-intel

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polltech-enable

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-event

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

all

Description Enable all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detailed information display

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description RIPng events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description RIPng and NSM communication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description RIPng packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description RIPng receive packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description RIPng send packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Specification	
Type	*object*

ACK

Description Method ACK

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BYE

Description SIP Method BYE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

CANCEL

Description SIP Method CANCEL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

INFO

Description SIP Method INFO

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

INVITE

Description Method INVITE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

MESSAGE

Description SIP Method MESSAGE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

NOTIFY

Description SIP Method NOTIFY

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

OPTIONS

Description SIP Method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

PRACK

Description SIP Method PRACK

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

PUBLISH

Description SIP Method PUBLISH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

REFER

Description SIP Method REFER

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

REGISTER

Description SIP Method REGISTER

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

SUBSCRIBE

Description SIP Method SUBSCRIBE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

UPDATE

Description SIP Method UPDATE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Set filter with SIP method types

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-rrl

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture

Specification	
Type	*object*

capture-config

Description Specify capture-config. Default all (Capture config)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

count

Description Maximum packets to capture. Default is 10 (Specify maximum packet number. For unlimited, specify 0)

Type: number

Range: 0-1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

conn-reuse

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l7session

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-cache

Specification	
Type	*object*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log

Specification	
Type	*object*

group

Description 'query': Debug local log query (axapi).; 'db-mgr': Debug local log database management.; 'db-write': Debug local log insert local log into database.; 'queue': Debug local log generate and inqueue/dequeue.;

Type: string

Supported Values: query, db-mgr, db-write, queue

level

Description Debug level (Level 1-3. 1:error, 2:notice, 3:Info)

Type: number

Range: 1-3

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

list_all_cli

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mgcp

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.23.2 debug aflex

aFleX Script module parameters

aflex Specification

Type	*Configuration Resource*
Element Name	aflex
Element URI	/axapi/v3/debug/aflex
Element Attributes	aflex_attributes
Schema	`aflex schema`

Operations Allowed:

Create Object

POST

/axapi/v3/debug/aflex

aflex attributes

Get Object

GET

/axapi/v3/debug/aflex

aflex attributes

Modify Object

POST

/axapi/v3/debug/aflex

aflex attributes

Delete Object

DELETE

/axapi/v3/debug/aflex

aflex attributes

aflex attributes

2.24 delete

Objects:

2.24.1 delete

Delete Configuration file

delete Specification

Type	*Intermediate Resource*
Element Name	delete
Element URI	/axapi/v3/delete
Element Attributes	delete_attributes
Schema	`delete schema`

Operations Allowed:

Get Object

GET

/axapi/v3/delete

delete_attributes

delete attributes

auth-jwks

Description: auth-jwks is a **JSON Block**. Please see below for *auth-jwks*

Type: Object

Refernce Object: */axapi/v3/delete/auth-jwks*

auth-portal

Description: auth-portal is a **JSON Block**. Please see below for *auth-portal*

Type: Object

Refernce Object: */axapi/v3/delete/auth-portal*

auth-portal-image

Description: auth-portal-image is a **JSON Block**. Please see below for *auth-portal-image*

Type: Object

Refernce Object: */axapi/v3/delete/auth-portal-image*

auth-saml-idp

Description: auth-saml-idp is a **JSON Block**. Please see below for *auth-saml-idp*

Type: Object

Refernce Object: */axapi/v3/delete/auth-saml-idp*

bw-list

Description: bw-list is a **JSON Block**. Please see below for *bw-list*

Type: Object

Refernce Object: */axapi/v3/delete/bw-list*

cgnv6

Description: cgnv6 is a **JSON Block**. Please see below for *cgnv6*

Type: Object

Refernce Object: */axapi/v3/delete/cgnv6*

debug-monitor

Description: debug-monitor is a **JSON Block**. Please see below for *debug-monitor*

Type: Object

Refernce Object: */axapi/v3/delete/debug-monitor*

geo-location

Description: geo-location is a **JSON Block**. Please see below for *geo-location*

Type: Object

Refernce Object: */axapi/v3/delete/geo-location*

glm-license

Description: glm-license is a **JSON Block**. Please see below for *glm-license*

Type: Object

Refernce Object: */axapi/v3/delete/glm-license*

guest-file

Description: guest-file is a **JSON Block**. Please see below for *guest-file*

Type: Object

Refernce Object: */axapi/v3/delete/guest-file*

health-external

Description: health-external is a **JSON Block**. Please see below for *health-external*

Type: Object

Refernce Object: */axapi/v3/delete/health-external*

health-postfile

Description: health-postfile is a **JSON Block**. Please see below for *health-postfile*

Type: Object

Refernce Object: */axapi/v3/delete/health-postfile*

local-uri-file

Description: local-uri-file is a **JSON Block**. Please see below for *local-uri-file*

Type: Object

Refernce Object: */axapi/v3/delete/local-uri-file*

partition

Description: partition is a **JSON Block**. Please see below for *partition*

Type: Object

Refernce Object: */axapi/v3/delete/partition*

rpz

Description: rpz is a **JSON Block**. Please see below for *rpz*

Type: Object

Refernce Object: */axapi/v3/delete/rpz*

service-partition

Description: service-partition is a **JSON Block**. Please see below for *service-partition*

Type: Object

Refernce Object: */axapi/v3/delete/service-partition*

startup-config

Description: startup-config is a **JSON Block**. Please see below for *startup-config*

Type: Object

Refernce Object: */axapi/v3/delete/startup-config*

threat-intel

Description: threat-intel is a **JSON Block**. Please see below for *threat-intel*

Type: Object

Refernce Object: */axapi/v3/delete/threat-intel*

web-category

Description: web-category is a **JSON Block**. Please see below for *web-category*

Type: Object

Refernce Object: */axapi/v3/delete/web-category*

health-postfile

Specification	
Type	*object*

file-name

Description Specify the File Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

geo-location

Specification	
Type	*object*

all

Description Delete all files

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and filename are mutually exclusive

filename

Description Specify file to be deleted

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: filename and all are mutually exclusive

rpz

Specification	
Type	*object*

file-name

Description Response Policy Zone File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

bw-list

Specification	
Type	*object*

file-name

Description Blacklist/whitelist Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-portal-image

Specification	
Type	*object*

image-name

Description Local File Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition

Specification	
Type	*object*

id

Description Specify unique Partition id

Type: number

partition-name

Description Object partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

debug-monitor

Specification	
Type	*object*

file-name

Description Local File Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

glm-license

Specification	
Type	*object*

a10-ti

Description only remove A10 Threat Intel license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec-vpn

Description only remove IPSEC VPN license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qosmos

Description only remove QOSMOS license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threatstop

Description only remove ThreatSTOP license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

webroot

Description only remove Webroot license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

webroot-ti

Description only remove Webroot Threat Intel license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-jwks

Specification	
Type	*object*

jwk-name

Description Local File Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

web-category

Specification	
Type	*object*

database

Description Delete web-category database

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-external

Specification	
Type	*object*

file-name

Description Specify the Program Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

auth-portal

Specification	
Type	*object*

portal-name

Description Local File Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

local-uri-file

Specification	
Type	*object*

file-name

Description Local File Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

startup-config

Specification	
Type	*object*

file-name

Description Local Configuration Profile Name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-partition

Specification	
Type	*object*

id

Description Specify unique service partition id

Type: number

partition-name

Description Object service partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/service-partition*

auth-saml-idp

Specification	
Type	*object*

saml-idp-name

Description Local IDP metadata name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

cgnv6

Specification	
Type	*object*

filename

Description Specify the port-mapping-file to be deleted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

fixed-nat

Description Delete fixed-nat port-mapping-file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6-binding-table-validation-log

Description LW-4O6 Binding Table validation log File

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-filename

Description LW-4O6 Binding Table Validation Log File Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

guest-file

Specification	
Type	*object*

file-name

Description Guest-File Name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

threat-intel

Specification	
Type	*object*

database

Description 'webroot': Delete webroot module database;

Type: string

Supported Values: webroot

2.24.2 delete license

Remove softax license

license Specification

Type	*Configuration Resource*
Element Name	license
Element URI	/axapi/v3/delete/license
Element Attributes	license_attributes
Schema	`license schema`

Operations Allowed:

Create Object

POST

/axapi/v3/delete/license

license attributes

Get Object

GET

/axapi/v3/delete/license

license attributes

Modify Object

POST

/axapi/v3/delete/license

license attributes

Delete Object

DELETE

/axapi/v3/delete/license

license attributes

license attributes

2.25 disable-management

Objects:

2.25.1 disable-management

Disable management services

disable-management Specification

Type	*Intermediate Resource*
Element Name	disable-management
Element URI	/axapi/v3/disable-management
Element Attributes	disable-management_attributes
Schema	`disable-management schema`

Operations Allowed:

Get Object

GET

/axapi/v3/disable-management

disable-management_attributes

disable-management attributes

service

Description: service is a **JSON Block**. Please see below for *service*

Type: Object

Refernce Object: */axapi/v3/disable-management/service*

service

Specification	
Type	*object*

http

Description: http is a **JSON Block**. Please see below for *service_http*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/http*

https

Description: https is a **JSON Block**. Please see below for *service_https*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/https*

ping

Description: ping is a **JSON Block**. Please see below for *service_ping*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/ping*

snmp

Description: snmp is a **JSON Block**. Please see below for *service_snmp*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/snmp*

ssh

Description: ssh is a **JSON Block**. Please see below for *service_ssh*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/ssh*

service_http

Specification	
Type	*object*

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service_ping

Specification	
Type	*object*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_ping_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_ping_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_ping_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_ssh

Specification	
Type	*object*

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service_https

Specification	
Type	*object*

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service_snmp

Specification	
Type	*object*

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.25.2 disable-management service

Disable management services

service Specification

Type	*Intermediate Resource*
Element Name	service
Element URI	/axapi/v3/disable-management/service
Element Attributes	service_attributes
Schema	`service schema`

Operations Allowed:

Get Object

GET

/axapi/v3/disable-management/service

service_attributes

service attributes

http

Description: http is a **JSON Block**. Please see below for *http*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/http*

https

Description: https is a **JSON Block**. Please see below for *https*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/https*

ping

Description: ping is a **JSON Block**. Please see below for *ping*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/ping*

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/snmp*

ssh

Description: ssh is a **JSON Block**. Please see below for *ssh*

Type: Object

Refernce Object: */axapi/v3/disable-management/service/ssh*

http

Specification	
Type	*object*

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ping

Specification	
Type	*object*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ping_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ping_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

ping_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ssh

Specification	
Type	*object*

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

https

Specification	
Type	*object*

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp

Specification	
Type	*object*

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.25.3 disable-management service http

HTTP service

http Specification

Type	*Configuration Resource*
Element Name	http
Element URI	/axapi/v3/disable-management/service/http
Element Attributes	http_attributes
Schema	`http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/disable-management/service/http

http attributes

```
POST /axapi/v3/disable-management/service/http
Payload:
{
    "http": {
        "management": 1
    }
}
```

Get Object

GET

/axapi/v3/disable-management/service/http

http attributes

```
GET /axapi/v3/disable-management/service/http
Reponse:
{
    "http": {
        "management": 1,
        "uuid": "e8f5a8c8-5bec-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/disable-management/service/http"
    }
}
```

Modify Object

POST

/axapi/v3/disable-management/service/http

http attributes

Replace Object

PUT

/axapi/v3/disable-management/service/http

http attributes

```
PUT /axapi/v3/disable-management/service/http
Payload:
{
    "http": {
        "management": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/disable-management/service/http

http attributes

```
DELETE /axapi/v3/disable-management/service/http
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

http attributes

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.25.4 disable-management service https

HTTPS service

https Specification

Type	*Configuration Resource*
Element Name	https
Element URI	/axapi/v3/disable-management/service/https
Element Attributes	https_attributes
Schema	`https schema`

Operations Allowed:

Create Object

POST

/axapi/v3/disable-management/service/https

https attributes

Get Object

GET

/axapi/v3/disable-management/service/https

https attributes

Modify Object

POST

/axapi/v3/disable-management/service/https

https attributes

Replace Object

PUT

/axapi/v3/disable-management/service/https

https attributes

Delete Object

DELETE

/axapi/v3/disable-management/service/https

https attributes

https attributes

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.25.5 disable-management service ping

Ping service

ping Specification

Type	*Configuration Resource*
Element Name	ping
Element URI	/axapi/v3/disable-management/service/ping
Element Attributes	ping_attributes
Schema	`ping schema`

Operations Allowed:

Create Object

POST

/axapi/v3/disable-management/service/ping

ping attributes

```
POST /axapi/v3/disable-management/service/ping
Payload:
{
    "ping": {
        "management": 1
    }
}
```

Get Object

GET

/axapi/v3/disable-management/service/ping

ping attributes

```
GET /axapi/v3/disable-management/service/ping
Reponse:
{
    "ping": {
        "management": 1,
        "all-data-intf": 0,
        "uuid": "085ee6fc-5bed-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/disable-management/service/ping"
    }
}
```

Modify Object

POST

/axapi/v3/disable-management/service/ping

ping attributes

Replace Object

PUT

/axapi/v3/disable-management/service/ping

ping attributes

```
PUT /axapi/v3/disable-management/service/ping
Payload:
{
    "ping": {
        "management": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/disable-management/service/ping

ping attributes

```
DELETE /axapi/v3/disable-management/service/ping
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ping attributes

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.25.6 disable-management service snmp

SNMP service

snmp Specification

Type	*Configuration Resource*
Element Name	snmp
Element URI	/axapi/v3/disable-management/service/snmp
Element Attributes	snmp_attributes
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/disable-management/service/snmp

snmp attributes

```
POST /axapi/v3/disable-management/service/snmp
Payload:
{
    "snmp": {
        "management": 1
    }
}
```

Get Object

GET

/axapi/v3/disable-management/service/snmp

snmp attributes

```
GET /axapi/v3/disable-management/service/snmp
Reponse:
{
```

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```
    "snmp": {
        "management": 1,
        "uuid": "3f486de6-5bed-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/disable-management/service/snmp"
    }
}
```

Modify Object

POST

/axapi/v3/disable-management/service/snmp

snmp attributes

Replace Object

PUT

/axapi/v3/disable-management/service/snmp

snmp attributes

```
PUT /axapi/v3/disable-management/service/snmp
Payload:
{
    "snmp": {
        "management": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/disable-management/service/snmp

snmp attributes

```
DELETE /axapi/v3/disable-management/service/snmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

snmp attributes

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.25.7 disable-management service ssh

SSH service

ssh Specification

Type	*Configuration Resource*
Element Name	ssh
Element URI	/axapi/v3/disable-management/service/ssh
Element Attributes	ssh_attributes
Schema	`ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/disable-management/service/ssh

ssh attributes

Get Object

GET

/axapi/v3/disable-management/service/ssh

ssh attributes

Modify Object

POST

/axapi/v3/disable-management/service/ssh

ssh attributes

Replace Object

PUT

/axapi/v3/disable-management/service/ssh

ssh attributes

Delete Object

DELETE

/axapi/v3/disable-management/service/ssh

ssh attributes

ssh attributes

management

Description Management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.26 dnssec

Objects:

2.26.1 dnssec

Domain Name System Security Extensions commands

dnssec Specification

Type	*Configuration Resource*
Element Name	dnssec
Element URI	/axapi/v3/dnssec
Element Attributes	dnssec_attributes
Operational Data URI	/axapi/v3/dnssec/oper
Schema	`dnssec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/dnssec

dnssec attributes

```
POST /axapi/v3/dnssec
Payload:
{
    "dnssec": {
        "standalone": 1
    }
}
```

Get Object

GET

/axapi/v3/dnssec

dnssec attributes

```
GET /axapi/v3/dnssec
Reponse:
{
    "dnssec": {
        "standalone": 1,
        "uuid": "62288dc0-60aa-11d9-b2a5-7f64d67a548c",
        "a10-url": "/axapi/v3/dnssec"
    }
}
```

Modify Object

POST

/axapi/v3/dnssec

dnssec attributes

Replace Object

PUT

/axapi/v3/dnssec

dnssec attributes

```
PUT /axapi/v3/dnssec
Payload:
{
    "dnssec": {
        "standalone": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/dnssec

dnssec attributes

```
DELETE /axapi/v3/dnssec
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dnssec attributes

dnskey

Description: dnskey is a **JSON Block**. Please see below for *dnskey*

Type: Object

Refernce Object: */axapi/v3/dnssec/dnskey*

ds

Description: ds is a **JSON Block**. Please see below for *ds*

Type: Object

Refernce Object: */axapi/v3/dnssec/ds*

key-rollover

Description: key-rollover is a **JSON Block**. Please see below for *key-rollover*

Type: Object

Refernce Object: */axapi/v3/dnssec/key-rollover*

sign-zone-now

Description: sign-zone-now is a **JSON Block**. Please see below for *sign-zone-now*

Type: Object

Refernce Object: */axapi/v3/dnssec/sign-zone-now*

standalone

Description Run DNSSEC in standalone mode, in GSLB group mode by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Refernce Object: */axapi/v3/dnssec/template/{dnssec-temp-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

key-rollover

Specification	
Type	*object*

dnssec-key-type

Description 'ZSK': Zone Signing Key; 'KSK': Key Signing Key;

Type: string

Supported Values: ZSK, KSK

ds-ready-in-parent-zone

Description DS RR is already ready in the parent zone

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ksk-start

Description start KSK rollover in emergency mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zone-name

Description Specify the name for the DNS zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

zsk-start

Description start ZSK rollover in emergency mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sign-zone-now

Specification	
Type	*object*

zone-name

Description Specify the name for the DNS zone, empty means sign all zones

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

dnskey

Specification	
Type	*object*

key-delete

Description Delete the DNSKEY file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zone-name

Description DNS zone name of the child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

template-list

Specification	
Type	*list*
Block object keys	

algorithm

Description 'RSASHA1': RSASHA1 algorithm; 'RSASHA256': RSASHA256 algorithm; 'RSASHA512': RSASHA512 algorithm;

Type: string

Supported Values: RSASHA1, RSASHA256, RSASHA512

combinations-limit

Description the max number of combinations per RRset (Default value is 31)

Type: number

Range: 1-65535

dnskey-ttl-k

Description The TTL value of DNSKEY RR

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnskey-ttl-v

Description in seconds, 14400 seconds by default

Type: number

Range: 1-864000

Default: 14400

dnssec-temp-name

Description DNSSEC Template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dnssec-template-ksk

Description: dnssec-template-ksk is a **JSON Block**. Please see below for *template-list_dnssec-template-ksk*

Type: Object

dnssec-template-zsk

Description: dnssec-template-zsk is a **JSON Block**. Please see below for *template-list_dnssec-template-zsk*

Type: Object

enable-nsec3

Description enable NSEC3 support. disabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hsm

Description specify the HSM template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/hsm/template*

return-nsec-on-failure

Description return NSEC/NSEC3 or not on failure case. return by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

signature-validity-period-k

Description The period that a signature is valid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

signature-validity-period-v

Description in days, 10 days by default

Type: number

Range: 5-30

Default: 10

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_dnssec-template-ksk

Specification	
Type	*object*

ksk-keysize-k

Description Specify the number of bits in the DNSSEC KSK keys

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ksk-keysize-v

Description Default size is 2048 and must be an exact multiple of 64

Type: number

Range: 1024-4096

ksk-lifetime-k

Description Set the lifetime for DNSSEC KSK keys in days

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ksk-lifetime-v

Description Default value is 365 days

Type: number

Range: 2-3650

ksk-rollover-time-k

Description Set the rollover time in days

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zsk-rollover-time-v

Description 7 days less than the lifetime by default

Type: number

Range: 1-3650

Default: 358

template-list_dnssec-template-zsk

Specification	
Type	*object*

zsk-keysize-k

Description Specify the number of bits in the DNSSEC ZSK keys

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zsk-keysize-v

Description Default size is 2048 and must be an exact multiple of 64

Type: number

Range: 1024-4096

zsk-lifetime-k

Description Set the lifetime for DNSSEC ZSK keys in days

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zsk-lifetime-v

Description Default value is 90 days

Type: number

Range: 2-3650

Default: 90

zsk-rollover-time-k

Description Set the rollover time in days

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zsk-rollover-time-v

Description 7 days less than the lifetime by default

Type: number

Range: 1-3650

Default: 83

ds

Specification	
Type	*object*

ds-delete

Description Delete the DS file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zone-name

Description DNS zone name of the child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ptr_memory	number	ptr_memory
	total_memory	number	total_memory
	reference_objects	number	reference_objects
	mx_objects	number	mx_objects
	ds_objects	number	ds_objects
	nsec_objects	number	nsec_objects
	array_memory	number	array_memory
	nsec3param_objects	number	nsec3param_objects
	srv_memory	number	srv_memory
	reference_memory	number	reference_memory
	srv_objects	number	srv_objects
	table_memory	number	table_memory
	a_objects	number	a_objects
	ns_memory	number	ns_memory
	aaaa_memory	number	aaaa_memory
	zone_objects	number	zone_objects
	table_objects	number	table_objects
	mx_memory	number	mx_memory
	soa_memory	number	soa_memory
	domain_objects	number	domain_objects
	nsec_memory	number	nsec_memory
	nsec3_objects	number	nsec3_objects
	a_memory	number	a_memory
	array_objects	number	array_objects
	total_objects	number	total_objects
	soa_objects	number	soa_objects
	ds_memory	number	ds_memory
	cname_objects	number	cname_objects
	domain_memory	number	domain_memory
	nsec3param_memory	number	nsec3param_memory
	txt_memory	number	txt_memory
	dnskey_memory	number	dnskey_memory
	ns_objects	number	ns_objects

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Table 2.9 – continued from previous page

	Counter	Size	Description
	ptr_objects	number	ptr_objects
	aaaa_objects	number	aaaa_objects
	cname_memory	number	cname_memory
	txt_objects	number	txt_objects
	rrsig_objects	number	rrsig_objects
	rrsig2_memory	number	rrsig2_memory
	nsec3_memory	number	nsec3_memory
	zone_memory	number	zone_memory
	rrsig2_objects	number	rrsig2_objects
	rrsig_memory	number	rrsig_memory
	dnskey_objects	number	dnskey_objects

2.26.2 dnssec template

template Settings

template Specification

Type	*Collection*
Object Key(s)	*dnssec-temp-name*
Collection Name	*template-list*
Collection URI	/axapi/v3/dnssec/template
Element Name	template
Element URI	/axapi/v3/dnssec/template/{dnssec-temp-name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/dnssec/template

template attributes

```
POST /axapi/v3/dnssec/template/
Payload:
{
    "template": {
        "dnssec-temp-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/dnssec/template

template attributes

Get Object

GET

/axapi/v3/dnssec/template/{dnssec-temp-name}

template attributes

```
GET /axapi/v3/dnssec/template/a
Reponse:
{
    "template": {
        "dnssec-temp-name": "a",
        "dnskey-ttl-k": 0,
        "enable-nsec3": 0,
        "return-nsec-on-failure": 1,
        "signature-validity-period-k": 0,
        "dnssec-template-zsk": {
            "zsk-keysize-k": 0,
            "zsk-lifetime-k": 0
        },
        "dnssec-template-ksk": {
            "ksk-keysize-k": 0,
            "ksk-lifetime-k": 0
        },
        "uuid": "3d587508-6048-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/dnssec/template/a"
    }
}
```

Get List

GET

/axapi/v3/dnssec/template

template-list

Modify Object

POST

/axapi/v3/dnssec/template/{dnssec-temp-name}

template attributes

Replace Object

PUT

/axapi/v3/dnssec/template/{dnssec-temp-name}

template attributes

```
PUT /axapi/v3/dnssec/template/a
Payload:
{
```

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(continued from previous page)

```
    "template": {
        "dnssec-temp-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/dnssec/template

template-list

Delete Object

DELETE

/axapi/v3/dnssec/template/{dnssec-temp-name}

template attributes

```
DELETE /axapi/v3/dnssec/template/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

algorithm

Description 'RSASHA1': RSASHA1 algorithm; 'RSASHA256': RSASHA256 algorithm; 'RSASHA512': RSASHA512 algorithm;

Type: string

Supported Values: RSASHA1, RSASHA256, RSASHA512

combinations-limit

Description the max number of combinations per RRset (Default value is 31)

Type: number

Range: 1-65535

dnskey-ttl-k

Description The TTL value of DNSKEY RR

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnskey-ttl-v

Description in seconds, 14400 seconds by default

Type: number

Range: 1-864000

Default: 14400

dnssec-temp-name

Description DNSSEC Template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dnssec-template-ksk

Description: dnssec-template-ksk is a **JSON Block**. Please see below for *dnssec-template-ksk*

Type: Object

dnssec-template-zsk

Description: dnssec-template-zsk is a **JSON Block**. Please see below for *dnssec-template-zsk*

Type: Object

enable-nsec3

Description enable NSEC3 support. disabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hsm

Description specify the HSM template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/hsm/template*

return-nsec-on-failure

Description return NSEC/NSEC3 or not on failure case. return by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

signature-validity-period-k

Description The period that a signature is valid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

signature-validity-period-v

Description in days, 10 days by default

Type: number

Range: 5-30

Default: 10

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dnssec-template-ksk

Specification	
Type	*object*

ksk-keysize-k

Description Specify the number of bits in the DNSSEC KSK keys

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ksk-keysize-v

Description Default size is 2048 and must be an exact multiple of 64

Type: number

Range: 1024-4096

ksk-lifetime-k

Description Set the lifetime for DNSSEC KSK keys in days

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ksk-lifetime-v

Description Default value is 365 days

Type: number

Range: 2-3650

ksk-rollover-time-k

Description Set the rollover time in days

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zsk-rollover-time-v

Description 7 days less than the lifetime by default

Type: number

Range: 1-3650

Default: 358

dnssec-template-zsk

Specification	
Type	*object*

zsk-keysize-k

Description Specify the number of bits in the DNSSEC ZSK keys

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zsk-keysize-v

Description Default size is 2048 and must be an exact multiple of 64

Type: number

Range: 1024-4096

zsk-lifetime-k

Description Set the lifetime for DNSSEC ZSK keys in days

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zsk-lifetime-v

Description Default value is 90 days

Type: number

Range: 2-3650

Default: 90

zsk-rollover-time-k

Description Set the rollover time in days

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zsk-rollover-time-v

Description 7 days less than the lifetime by default

Type: number

Range: 1-3650

Default: 83

2.27 domain-list

Objects:

2.27.1 domain-list

Configure Domain classification list

domain-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*domain-list-list*
Collection URI	/axapi/v3/domain-list
Element Name	domain-list
Element URI	/axapi/v3/domain-list/{name}
Element Attributes	domain-list_attributes
Schema	`domain-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/domain-list

domain-list attributes

Create List

POST

/axapi/v3/domain-list

domain-list attributes

Get Object

GET

/axapi/v3/domain-list/{name}

domain-list attributes

Get List

GET

/axapi/v3/domain-list

domain-list-list

Modify Object

POST

/axapi/v3/domain-list/{name}

domain-list attributes

Replace Object

PUT

/axapi/v3/domain-list/{name}

domain-list attributes

Replace List

PUT

/axapi/v3/domain-list

domain-list-list

Delete Object

DELETE

/axapi/v3/domain-list/{name}

domain-list attributes

domain-list-list

domain-list-list is **JSON List** of *domain-list attributes*

domain-list-list : [

{ *domain-list attributes* },

{ *domain-list attributes* },

...

]

domain-list attributes

domain-name-list

Type: List

name

Description Specify name of the domain list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-name-list

Specification	
Type	*list*
Block object keys	

domain-name

Description Domain name to be added to this domain list

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

interval

Description DNS query interval (in minute, default is 10)

Type: number

Range: 1-1440

Default: 10

2.28 enable-core

Objects:

2.28.1 enable-core

Enable system coredump switch

enable-core Specification

Type	*Configuration Resource*
Element Name	enable-core
Element URI	/axapi/v3/enable-core
Element Attributes	enable-core_attributes
Schema	`enable-core schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-core

enable-core attributes

```
POST /axapi/v3/enable-core
Payload:
{
    "enable-core": {
        "core-level": "a10"
    }
}
```

Get Object

GET

/axapi/v3/enable-core

enable-core attributes

```
GET /axapi/v3/enable-core
Reponse:
{
    "enable-core": {
        "core-level": "a10",
        "uuid": "a62fe11a-5df0-11d9-abbd-001fa00680a0",
        "a10-url": "/axapi/v3/enable-core"
    }
}
```

Modify Object

POST

/axapi/v3/enable-core

enable-core attributes

Replace Object

PUT

/axapi/v3/enable-core

enable-core attributes

```
PUT /axapi/v3/enable-core
Payload:
{
    "enable-core": {
        "core-level": "a10"
    }
}
```

Delete Object

DELETE

/axapi/v3/enable-core

enable-core attributes

```
DELETE /axapi/v3/enable-core
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Enable A10 coredump."
    }
}
```

enable-core attributes

core-level

Description 'a10': Enable A10 core dump, by default; 'system': Enable system coredump;

Type: string

Supported Values: a10, system

Default: a10

Mutual Exclusion: core-level and full are mutually exclusive

full

Description Enable full system core dump

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: full and core-level are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.29 enable-management

Objects:

2.29.1 enable-management

Enable management services

enable-management Specification

Type	*Intermediate Resource*
Element Name	enable-management
Element URI	/axapi/v3/enable-management
Element Attributes	enable-management_attributes
Schema	`enable-management schema`

Operations Allowed:

Get Object

GET

/axapi/v3/enable-management

enable-management_attributes

enable-management attributes

acl-ipv4

Description: acl-ipv4 is a **JSON Block**. Please see below for *acl-ipv4*

Type: Object

Refernce Object: */axapi/v3/enable-management/acl-ipv4*

acl-ipv6

Description: acl-ipv6 is a **JSON Block**. Please see below for *acl-ipv6*

Type: Object

Refernce Object: */axapi/v3/enable-management/acl-ipv6*

http

Description: http is a **JSON Block**. Please see below for *http*

Type: Object

Refernce Object: */axapi/v3/enable-management/http*

https

Description: https is a **JSON Block**. Please see below for *https*

Type: Object

Refernce Object: */axapi/v3/enable-management/https*

ping

Description: ping is a **JSON Block**. Please see below for *ping*

Type: Object

Refernce Object: */axapi/v3/enable-management/ping*

service

Description: service is a **JSON Block**. Please see below for *service*

Type: Object

Refernce Object: */axapi/v3/enable-management/service*

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Refernce Object: */axapi/v3/enable-management/snmp*

ssh

Description: ssh is a **JSON Block**. Please see below for *ssh*

Type: Object

Refernce Object: */axapi/v3/enable-management/ssh*

telnet

Description: telnet is a **JSON Block**. Please see below for *telnet*

Type: Object

Refernce Object: */axapi/v3/enable-management/telnet*

http

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/acl-v6/{acl-name}*

http

Description: http is a **JSON Block**. Please see below for *service_http*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/http*

https

Description: https is a **JSON Block**. Please see below for *service_https*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/https*

ping

Description: ping is a **JSON Block**. Please see below for *service_ping*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/ping*

snmp

Description: snmp is a **JSON Block**. Please see below for *service_snmp*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/snmp*

ssh

Description: ssh is a **JSON Block**. Please see below for *service_ssh*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/ssh*

telnet

Description: telnet is a **JSON Block**. Please see below for *service_telnet*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/telnet*

service_http

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/http/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/http/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_http_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_http_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_http_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_http_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_http_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_http_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_http_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_http_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_http_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_http_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_http_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_ping

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ping/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ping/acl-v6/{acl-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service_ping_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_ping_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_ping_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_ping_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_ping_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_ping_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_ping_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_ping_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_snmp

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/snmp/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/snmp/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_snmp_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_snmp_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_snmp_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_snmp_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_snmp_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_snmp_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_snmp_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_snmp_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_snmp_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_snmp_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_snmp_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_telnet

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/telnet/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/telnet/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_telnet_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_telnet_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_telnet_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_telnet_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_telnet_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_telnet_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_telnet_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_telnet_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_telnet_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_telnet_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_telnet_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_ssh

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ssh/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ssh/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_ssh_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_ssh_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_ssh_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_ssh_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_ssh_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_ssh_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_ssh_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_ssh_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_ssh_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_ssh_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_ssh_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_https

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/https/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/https/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_https_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_https_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_https_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_https_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_https_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_https_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_https_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_https_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_https_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_https_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_https_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

service_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

service_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

service_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

service_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

snmp

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ping

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telnet

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-ipv4

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-ipv6

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssh

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

https

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.29.2 enable-management acl-ipv4

acl-ipv4 Specification

Type	*Configuration Resource*
Element Name	acl-ipv4
Element URI	/axapi/v3/enable-management/acl-ipv4
Element Attributes	acl-ipv4_attributes
Operational Data URI	/axapi/v3/enable-management/acl-ipv4/oper
Schema	`acl-ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/acl-ipv4

acl-ipv4 attributes

Get Object

GET

/axapi/v3/enable-management/acl-ipv4

acl-ipv4 attributes

Modify Object

POST

/axapi/v3/enable-management/acl-ipv4

acl-ipv4 attributes

Replace Object

PUT

/axapi/v3/enable-management/acl-ipv4

acl-ipv4 attributes

Delete Object

DELETE

/axapi/v3/enable-management/acl-ipv4

acl-ipv4 attributes

acl-ipv4 attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	port-list		port-list

2.29.3 enable-management acl-ipv6

acl-ipv6 Specification

Type	*Configuration Resource*
Element Name	acl-ipv6
Element URI	/axapi/v3/enable-management/acl-ipv6
Element Attributes	acl-ipv6_attributes
Operational Data URI	/axapi/v3/enable-management/acl-ipv6/oper
Schema	`acl-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/acl-ipv6

acl-ipv6 attributes

Get Object

GET

/axapi/v3/enable-management/acl-ipv6

acl-ipv6 attributes

Modify Object

POST

/axapi/v3/enable-management/acl-ipv6

acl-ipv6 attributes

Replace Object

PUT

/axapi/v3/enable-management/acl-ipv6

acl-ipv6 attributes

Delete Object

DELETE

/axapi/v3/enable-management/acl-ipv6

acl-ipv6 attributes

acl-ipv6 attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	port-list		port-list

2.29.4 enable-management http

http Specification

Type	*Configuration Resource*
Element Name	http
Element URI	/axapi/v3/enable-management/http
Element Attributes	http_attributes
Operational Data URI	/axapi/v3/enable-management/http/oper
Schema	`http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/http

http attributes

Get Object

GET

/axapi/v3/enable-management/http

http attributes

Modify Object

POST

/axapi/v3/enable-management/http

http attributes

Replace Object

PUT

/axapi/v3/enable-management/http

http attributes

Delete Object

DELETE

/axapi/v3/enable-management/http

http attributes

http attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	port-list		port-list

2.29.5 enable-management https

https Specification

Type	*Configuration Resource*
Element Name	https
Element URI	/axapi/v3/enable-management/https
Element Attributes	https_attributes
Operational Data URI	/axapi/v3/enable-management/https/oper
Schema	`https schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/https

https attributes

Get Object

GET

/axapi/v3/enable-management/https

https attributes

Modify Object

POST

/axapi/v3/enable-management/https

https attributes

Replace Object

PUT

/axapi/v3/enable-management/https

https attributes

Delete Object

DELETE

/axapi/v3/enable-management/https

https attributes

https attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	port-list		port-list

2.29.6 enable-management ping

ping Specification

Type	*Configuration Resource*
Element Name	ping
Element URI	/axapi/v3/enable-management/ping
Element Attributes	ping_attributes
Operational Data URI	/axapi/v3/enable-management/ping/oper
Schema	`ping schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/ping

ping attributes

Get Object

GET

/axapi/v3/enable-management/ping

ping attributes

Modify Object

POST

/axapi/v3/enable-management/ping

ping attributes

Replace Object

PUT

/axapi/v3/enable-management/ping

ping attributes

Delete Object

DELETE

/axapi/v3/enable-management/ping

ping attributes

ping attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	port-list		port-list

2.29.7 enable-management service

Enable management services

service Specification

Type	*Intermediate Resource*
Element Name	service
Element URI	/axapi/v3/enable-management/service
Element Attributes	service_attributes
Schema	`service schema`

Operations Allowed:

Get Object

GET

/axapi/v3/enable-management/service

service_attributes

service attributes

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/acl-v6/{acl-name}*

http

Description: http is a **JSON Block**. Please see below for *http*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/http*

https

Description: https is a **JSON Block**. Please see below for *https*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/https*

ping

Description: ping is a **JSON Block**. Please see below for *ping*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/ping*

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/snmp*

ssh

Description: ssh is a **JSON Block**. Please see below for *ssh*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/ssh*

telnet

Description: telnet is a **JSON Block**. Please see below for *telnet*

Type: Object

Refernce Object: */axapi/v3/enable-management/service/telnet*

http

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/http/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/http/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

http_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

http_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

http_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

http_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

http_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

http_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

http_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

http_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

http_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

http_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

http_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ping

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ping/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ping/acl-v6/{acl-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ping_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ping_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ping_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

ping_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ping_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ping_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ping_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

ping_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

snmp

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/snmp/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/snmp/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

snmp_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

snmp_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

snmp_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

snmp_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

snmp_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

snmp_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

snmp_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

snmp_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

snmp_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

snmp_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

snmp_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

telnet

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/telnet/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/telnet/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

telnet_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

telnet_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

telnet_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

telnet_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

telnet_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

telnet_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

telnet_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

telnet_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

telnet_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

telnet_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

telnet_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ssh

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ssh/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ssh/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ssh_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ssh_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ssh_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ssh_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

ssh_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ssh_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

ssh_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ssh_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ssh_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

ssh_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ssh_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

https

Specification	
Type	*object*

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/https/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/https/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

https_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

https_acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

https_acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

https_acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

https_acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

https_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

https_acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

https_acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

https_acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

https_acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

https_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.8 enable-management service acl-v4

IPv4 ACL service

acl-v4 Specification

Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-v4-list*
Collection URI	/axapi/v3/enable-management/service/acl-v4
Element Name	acl-v4
Element URI	/axapi/v3/enable-management/service/acl-v4/{acl-id}
Element Attributes	acl-v4_attributes
Schema	`acl-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/acl-v4

acl-v4 attributes

Create List

POST

/axapi/v3/enable-management/service/acl-v4

acl-v4 attributes

Get Object

GET

/axapi/v3/enable-management/service/acl-v4/{acl-id}

acl-v4 attributes

Get List

GET

/axapi/v3/enable-management/service/acl-v4

acl-v4-list

Modify Object

POST

/axapi/v3/enable-management/service/acl-v4/{acl-id}

acl-v4 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/acl-v4/{acl-id}

acl-v4 attributes

Replace List

PUT

/axapi/v3/enable-management/service/acl-v4

acl-v4-list

Delete Object

DELETE

/axapi/v3/enable-management/service/acl-v4/{acl-id}

acl-v4 attributes

acl-v4-list

acl-v4-list is **JSON List** of *acl-v4 attributes*

```
acl-v4-list : [
        { acl-v4 attributes },
        { acl-v4 attributes },
        ...
    ]
```

acl-v4 attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.9 enable-management service acl-v6

IPv6 ACL service

acl-v6 Specification

Type	*Collection*
Object Key(s)	*acl-name*
Collection Name	*acl-v6-list*
Collection URI	/axapi/v3/enable-management/service/acl-v6
Element Name	acl-v6
Element URI	/axapi/v3/enable-management/service/acl-v6/{acl-name}
Element Attributes	acl-v6_attributes
Schema	`acl-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/acl-v6

acl-v6 attributes

Create List

POST

/axapi/v3/enable-management/service/acl-v6

acl-v6 attributes

Get Object

GET

/axapi/v3/enable-management/service/acl-v6/{acl-name}

acl-v6 attributes

Get List

GET

/axapi/v3/enable-management/service/acl-v6

acl-v6-list

Modify Object

POST

/axapi/v3/enable-management/service/acl-v6/{acl-name}

acl-v6 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/acl-v6/{acl-name}

acl-v6 attributes

Replace List

PUT

/axapi/v3/enable-management/service/acl-v6

acl-v6-list

Delete Object

DELETE

/axapi/v3/enable-management/service/acl-v6/{acl-name}

acl-v6 attributes

acl-v6-list

acl-v6-list is **JSON List** of *acl-v6 attributes*

```
acl-v6-list : [
        { acl-v6 attributes },
        { acl-v6 attributes },
        ...
    ]
```

acl-v6 attributes

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.10 enable-management service http

HTTP service

http Specification

Type	*Configuration Resource*
Element Name	http
Element URI	/axapi/v3/enable-management/service/http
Element Attributes	http_attributes
Schema	`http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/http

http attributes

Get Object

GET

/axapi/v3/enable-management/service/http

http attributes

Modify Object

POST

/axapi/v3/enable-management/service/http

http attributes

Replace Object

PUT

/axapi/v3/enable-management/service/http

http attributes

http attributes

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/http/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/http/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.11 enable-management service http acl-v4

IPv4 ACL for HTTP service

acl-v4 Specification

Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-v4-list*
Collection URI	/axapi/v3/enable-management/service/http/acl-v4
Element Name	acl-v4
Element URI	/axapi/v3/enable-management/service/http/acl-v4/{acl-id}
Element Attributes	acl-v4_attributes
Schema	`acl-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/http/acl-v4

acl-v4 attributes

Create List

POST

/axapi/v3/enable-management/service/http/acl-v4

acl-v4 attributes

Get Object

GET

/axapi/v3/enable-management/service/http/acl-v4/{acl-id}

acl-v4 attributes

Get List

GET

/axapi/v3/enable-management/service/http/acl-v4

acl-v4-list

Modify Object

POST

/axapi/v3/enable-management/service/http/acl-v4/{acl-id}

acl-v4 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/http/acl-v4/{acl-id}

acl-v4 attributes

Replace List

PUT

/axapi/v3/enable-management/service/http/acl-v4

acl-v4-list

Delete Object

DELETE

/axapi/v3/enable-management/service/http/acl-v4/{acl-id}

acl-v4 attributes

acl-v4-list

acl-v4-list is **JSON List** of *acl-v4 attributes*

```
acl-v4-list : [
        { acl-v4 attributes },
        { acl-v4 attributes },
        ...
    ]
```

acl-v4 attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.12 enable-management service http acl-v6

IPv6 ACL for HTTP service

acl-v6 Specification

Type	*Collection*
Object Key(s)	*acl-name*
Collection Name	*acl-v6-list*
Collection URI	/axapi/v3/enable-management/service/http/acl-v6
Element Name	acl-v6
Element URI	/axapi/v3/enable-management/service/http/acl-v6/{acl-name}
Element Attributes	acl-v6_attributes
Schema	`acl-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/http/acl-v6

acl-v6 attributes

Create List

POST

/axapi/v3/enable-management/service/http/acl-v6

acl-v6 attributes

Get Object

GET

/axapi/v3/enable-management/service/http/acl-v6/{acl-name}

acl-v6 attributes

Get List

GET

/axapi/v3/enable-management/service/http/acl-v6

acl-v6-list

Modify Object

POST

/axapi/v3/enable-management/service/http/acl-v6/{acl-name}

acl-v6 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/http/acl-v6/{acl-name}

acl-v6 attributes

Replace List

PUT

/axapi/v3/enable-management/service/http/acl-v6

acl-v6-list

Delete Object

DELETE

/axapi/v3/enable-management/service/http/acl-v6/{acl-name}

acl-v6 attributes

acl-v6-list

acl-v6-list is **JSON List** of *acl-v6 attributes*

```
acl-v6-list : [
        { acl-v6 attributes },
        { acl-v6 attributes },
        ...
    ]
```

acl-v6 attributes

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.13 enable-management service https

HTTPS service

https Specification

Type	*Configuration Resource*
Element Name	https
Element URI	/axapi/v3/enable-management/service/https
Element Attributes	https_attributes
Schema	`https schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/https

https attributes

Get Object

GET

/axapi/v3/enable-management/service/https

https attributes

Modify Object

POST

/axapi/v3/enable-management/service/https

https attributes

Replace Object

PUT

/axapi/v3/enable-management/service/https

https attributes

https attributes

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/https/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/https/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.14 enable-management service https acl-v4

IPv4 ACL for HTTPS service

acl-v4 Specification

Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-v4-list*
Collection URI	/axapi/v3/enable-management/service/https/acl-v4
Element Name	acl-v4
Element URI	/axapi/v3/enable-management/service/https/acl-v4/{acl-id}
Element Attributes	acl-v4_attributes
Schema	`acl-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/https/acl-v4

acl-v4 attributes

Create List

POST

/axapi/v3/enable-management/service/https/acl-v4

acl-v4 attributes

Get Object

GET

/axapi/v3/enable-management/service/https/acl-v4/{acl-id}

acl-v4 attributes

Get List

GET

/axapi/v3/enable-management/service/https/acl-v4

acl-v4-list

Modify Object

POST

/axapi/v3/enable-management/service/https/acl-v4/{acl-id}

acl-v4 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/https/acl-v4/{acl-id}

acl-v4 attributes

Replace List

PUT

/axapi/v3/enable-management/service/https/acl-v4

acl-v4-list

Delete Object

DELETE

/axapi/v3/enable-management/service/https/acl-v4/{acl-id}

acl-v4 attributes

acl-v4-list

acl-v4-list is **JSON List** of *acl-v4 attributes*

acl-v4-list : [

{ *acl-v4 attributes* },

{ *acl-v4 attributes* },

...

]

acl-v4 attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.15 enable-management service https acl-v6

IPv6 ACL for HTTPS service

acl-v6 Specification

Type	*Collection*
Object Key(s)	*acl-name*
Collection Name	*acl-v6-list*
Collection URI	/axapi/v3/enable-management/service/https/acl-v6
Element Name	acl-v6
Element URI	/axapi/v3/enable-management/service/https/acl-v6/{acl-name}
Element Attributes	acl-v6_attributes
Schema	`acl-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/https/acl-v6

acl-v6 attributes

Create List

POST

/axapi/v3/enable-management/service/https/acl-v6

acl-v6 attributes

Get Object

GET

/axapi/v3/enable-management/service/https/acl-v6/{acl-name}

acl-v6 attributes

Get List

GET

/axapi/v3/enable-management/service/https/acl-v6

acl-v6-list

Modify Object

POST

/axapi/v3/enable-management/service/https/acl-v6/{acl-name}

acl-v6 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/https/acl-v6/{acl-name}

acl-v6 attributes

Replace List

PUT

/axapi/v3/enable-management/service/https/acl-v6

acl-v6-list

Delete Object

DELETE

/axapi/v3/enable-management/service/https/acl-v6/{acl-name}

acl-v6 attributes

acl-v6-list

acl-v6-list is **JSON List** of *acl-v6 attributes*

acl-v6-list : [

{ *acl-v6 attributes* },

{ *acl-v6 attributes* },

...

]

acl-v6 attributes

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.16 enable-management service ping

Ping service

ping Specification

Type	*Configuration Resource*
Element Name	ping
Element URI	/axapi/v3/enable-management/service/ping
Element Attributes	ping_attributes
Schema	`ping schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/ping

ping attributes

Get Object

GET

/axapi/v3/enable-management/service/ping

ping attributes

Modify Object

POST

/axapi/v3/enable-management/service/ping

ping attributes

Replace Object

PUT

/axapi/v3/enable-management/service/ping

ping attributes

ping attributes

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ping/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ping/acl-v6/{acl-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.17 enable-management service ping acl-v4

IPv4 ACL for Ping service

acl-v4 Specification

Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-v4-list*
Collection URI	/axapi/v3/enable-management/service/ping/acl-v4
Element Name	acl-v4
Element URI	/axapi/v3/enable-management/service/ping/acl-v4/{acl-id}
Element Attributes	acl-v4_attributes
Schema	`acl-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/ping/acl-v4

acl-v4 attributes

Create List

POST

/axapi/v3/enable-management/service/ping/acl-v4

acl-v4 attributes

Get Object

GET

/axapi/v3/enable-management/service/ping/acl-v4/{acl-id}

acl-v4 attributes

Get List

GET

/axapi/v3/enable-management/service/ping/acl-v4

acl-v4-list

Modify Object

POST

/axapi/v3/enable-management/service/ping/acl-v4/{acl-id}

acl-v4 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/ping/acl-v4/{acl-id}

acl-v4 attributes

Replace List

PUT

/axapi/v3/enable-management/service/ping/acl-v4

acl-v4-list

Delete Object

DELETE

/axapi/v3/enable-management/service/ping/acl-v4/{acl-id}

acl-v4 attributes

acl-v4-list

acl-v4-list is **JSON List** of *acl-v4 attributes*

```
acl-v4-list : [
        { acl-v4 attributes },
        { acl-v4 attributes },
        ...
    ]
```

acl-v4 attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.18 enable-management service ping acl-v6

IPv6 ACL for Ping service

acl-v6 Specification

Type	*Collection*
Object Key(s)	*acl-name*
Collection Name	*acl-v6-list*
Collection URI	/axapi/v3/enable-management/service/ping/acl-v6
Element Name	acl-v6
Element URI	/axapi/v3/enable-management/service/ping/acl-v6/{acl-name}
Element Attributes	acl-v6_attributes
Schema	`acl-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/ping/acl-v6

acl-v6 attributes

Create List

POST

/axapi/v3/enable-management/service/ping/acl-v6

acl-v6 attributes

Get Object

GET

/axapi/v3/enable-management/service/ping/acl-v6/{acl-name}

acl-v6 attributes

Get List

GET

/axapi/v3/enable-management/service/ping/acl-v6

acl-v6-list

Modify Object

POST

/axapi/v3/enable-management/service/ping/acl-v6/{acl-name}

acl-v6 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/ping/acl-v6/{acl-name}

acl-v6 attributes

Replace List

PUT

/axapi/v3/enable-management/service/ping/acl-v6

acl-v6-list

Delete Object

DELETE

/axapi/v3/enable-management/service/ping/acl-v6/{acl-name}

acl-v6 attributes

acl-v6-list

acl-v6-list is **JSON List** of *acl-v6 attributes*

```
acl-v6-list : [
        { acl-v6 attributes },
        { acl-v6 attributes },
        ...
    ]
```

acl-v6 attributes

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.19 enable-management service snmp

SNMP service

snmp Specification

Type	*Configuration Resource*
Element Name	snmp
Element URI	/axapi/v3/enable-management/service/snmp
Element Attributes	snmp_attributes
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/snmp

snmp attributes

Get Object

GET

/axapi/v3/enable-management/service/snmp

snmp attributes

Modify Object

POST

/axapi/v3/enable-management/service/snmp

snmp attributes

Replace Object

PUT

/axapi/v3/enable-management/service/snmp

snmp attributes

snmp attributes

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/snmp/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/snmp/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.20 enable-management service snmp acl-v4

IPv4 ACL for SNMP service

acl-v4 Specification

Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-v4-list*
Collection URI	/axapi/v3/enable-management/service/snmp/acl-v4
Element Name	acl-v4
Element URI	/axapi/v3/enable-management/service/snmp/acl-v4/{acl-id}
Element Attributes	acl-v4_attributes
Schema	`acl-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/snmp/acl-v4

acl-v4 attributes

Create List

POST

/axapi/v3/enable-management/service/snmp/acl-v4

acl-v4 attributes

Get Object

GET

/axapi/v3/enable-management/service/snmp/acl-v4/{acl-id}

acl-v4 attributes

Get List

GET

/axapi/v3/enable-management/service/snmp/acl-v4

acl-v4-list

Modify Object

POST

/axapi/v3/enable-management/service/snmp/acl-v4/{acl-id}

acl-v4 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/snmp/acl-v4/{acl-id}

acl-v4 attributes

Replace List

PUT

/axapi/v3/enable-management/service/snmp/acl-v4

acl-v4-list

Delete Object

DELETE

/axapi/v3/enable-management/service/snmp/acl-v4/{acl-id}

acl-v4 attributes

acl-v4-list

acl-v4-list is **JSON List** of *acl-v4 attributes*

```
acl-v4-list : [
        { acl-v4 attributes },
        { acl-v4 attributes },
        ...
    ]
```

acl-v4 attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.21 enable-management service snmp acl-v6

IPv6 ACL for SNMP service

acl-v6 Specification

Type	*Collection*
Object Key(s)	*acl-name*
Collection Name	*acl-v6-list*
Collection URI	/axapi/v3/enable-management/service/snmp/acl-v6
Element Name	acl-v6
Element URI	/axapi/v3/enable-management/service/snmp/acl-v6/{acl-name}
Element Attributes	acl-v6_attributes
Schema	`acl-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/snmp/acl-v6

acl-v6 attributes

Create List

POST

/axapi/v3/enable-management/service/snmp/acl-v6

acl-v6 attributes

Get Object

GET

/axapi/v3/enable-management/service/snmp/acl-v6/{acl-name}

acl-v6 attributes

Get List

GET

/axapi/v3/enable-management/service/snmp/acl-v6

acl-v6-list

Modify Object

POST

/axapi/v3/enable-management/service/snmp/acl-v6/{acl-name}

acl-v6 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/snmp/acl-v6/{acl-name}

acl-v6 attributes

Replace List

PUT

/axapi/v3/enable-management/service/snmp/acl-v6

acl-v6-list

Delete Object

DELETE

/axapi/v3/enable-management/service/snmp/acl-v6/{acl-name}

acl-v6 attributes

acl-v6-list

acl-v6-list is **JSON List** of *acl-v6 attributes*

```
acl-v6-list : [
        { acl-v6 attributes },
        { acl-v6 attributes },
        ...
    ]
```

acl-v6 attributes

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.22 enable-management service ssh

SSH service

ssh Specification

Type	*Configuration Resource*
Element Name	ssh
Element URI	/axapi/v3/enable-management/service/ssh
Element Attributes	ssh_attributes
Schema	`ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/ssh

ssh attributes

Get Object

GET

/axapi/v3/enable-management/service/ssh

ssh attributes

Modify Object

POST

/axapi/v3/enable-management/service/ssh

ssh attributes

Replace Object

PUT

/axapi/v3/enable-management/service/ssh

ssh attributes

ssh attributes

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ssh/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/ssh/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.23 enable-management service ssh acl-v4

IPv4 ACL for SSH service

acl-v4 Specification

Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-v4-list*
Collection URI	/axapi/v3/enable-management/service/ssh/acl-v4
Element Name	acl-v4
Element URI	/axapi/v3/enable-management/service/ssh/acl-v4/{acl-id}
Element Attributes	acl-v4_attributes
Schema	`acl-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/ssh/acl-v4

acl-v4 attributes

Create List

POST

/axapi/v3/enable-management/service/ssh/acl-v4

acl-v4 attributes

Get Object

GET

/axapi/v3/enable-management/service/ssh/acl-v4/{acl-id}

acl-v4 attributes

Get List

GET

/axapi/v3/enable-management/service/ssh/acl-v4

acl-v4-list

Modify Object

POST

/axapi/v3/enable-management/service/ssh/acl-v4/{acl-id}

acl-v4 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/ssh/acl-v4/{acl-id}

acl-v4 attributes

Replace List

PUT

/axapi/v3/enable-management/service/ssh/acl-v4

acl-v4-list

Delete Object

DELETE

/axapi/v3/enable-management/service/ssh/acl-v4/{acl-id}

acl-v4 attributes

acl-v4-list

acl-v4-list is **JSON List** of *acl-v4 attributes*

acl-v4-list : [

{ *acl-v4 attributes* },

{ *acl-v4 attributes* },

...

]

acl-v4 attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.24 enable-management service ssh acl-v6

IPv6 ACL for SSH service

acl-v6 Specification

Type	*Collection*
Object Key(s)	*acl-name*
Collection Name	*acl-v6-list*
Collection URI	/axapi/v3/enable-management/service/ssh/acl-v6
Element Name	acl-v6
Element URI	/axapi/v3/enable-management/service/ssh/acl-v6/{acl-name}
Element Attributes	acl-v6_attributes
Schema	`acl-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/ssh/acl-v6

acl-v6 attributes

Create List

POST

/axapi/v3/enable-management/service/ssh/acl-v6

acl-v6 attributes

Get Object

GET

/axapi/v3/enable-management/service/ssh/acl-v6/{acl-name}

acl-v6 attributes

Get List

GET

/axapi/v3/enable-management/service/ssh/acl-v6

acl-v6-list

Modify Object

POST

/axapi/v3/enable-management/service/ssh/acl-v6/{acl-name}

acl-v6 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/ssh/acl-v6/{acl-name}

acl-v6 attributes

Replace List

PUT

/axapi/v3/enable-management/service/ssh/acl-v6

acl-v6-list

Delete Object

DELETE

/axapi/v3/enable-management/service/ssh/acl-v6/{acl-name}

acl-v6 attributes

acl-v6-list

acl-v6-list is **JSON List** of *acl-v6 attributes*

acl-v6-list : [

{ *acl-v6 attributes* },

{ *acl-v6 attributes* },

...

]

acl-v6 attributes

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.25 enable-management service telnet

Telnet service

telnet Specification

Type	*Configuration Resource*
Element Name	telnet
Element URI	/axapi/v3/enable-management/service/telnet
Element Attributes	telnet_attributes
Schema	`telnet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/telnet

telnet attributes

Get Object

GET

/axapi/v3/enable-management/service/telnet

telnet attributes

Modify Object

POST

/axapi/v3/enable-management/service/telnet

telnet attributes

Replace Object

PUT

/axapi/v3/enable-management/service/telnet

telnet attributes

telnet attributes

acl-v4-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/telnet/acl-v4/{acl-id}*

acl-v6-list

Type: List

Refernce Object: */axapi/v3/enable-management/service/telnet/acl-v6/{acl-name}*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list

Specification	
Type	*list*
Block object keys	

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v6-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v6-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v6-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

acl-v4-list_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

acl-v4-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

acl-v4-list_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.26 enable-management service telnet acl-v4

IPv4 ACL for Telnet service

acl-v4 Specification

Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-v4-list*
Collection URI	/axapi/v3/enable-management/service/telnet/acl-v4
Element Name	acl-v4
Element URI	/axapi/v3/enable-management/service/telnet/acl-v4/{acl-id}
Element Attributes	acl-v4_attributes
Schema	`acl-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/telnet/acl-v4

acl-v4 attributes

Create List

POST

/axapi/v3/enable-management/service/telnet/acl-v4

acl-v4 attributes

Get Object

GET

/axapi/v3/enable-management/service/telnet/acl-v4/{acl-id}

acl-v4 attributes

Get List

GET

/axapi/v3/enable-management/service/telnet/acl-v4

acl-v4-list

Modify Object

POST

/axapi/v3/enable-management/service/telnet/acl-v4/{acl-id}

acl-v4 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/telnet/acl-v4/{acl-id}

acl-v4 attributes

Replace List

PUT

/axapi/v3/enable-management/service/telnet/acl-v4

acl-v4-list

Delete Object

DELETE

/axapi/v3/enable-management/service/telnet/acl-v4/{acl-id}

acl-v4 attributes

acl-v4-list

acl-v4-list is **JSON List** of *acl-v4 attributes*

```
acl-v4-list : [
        { acl-v4 attributes },
        { acl-v4 attributes },
        ...
    ]
```

acl-v4 attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.27 enable-management service telnet acl-v6

IPv6 ACL for Telnet service

acl-v6 Specification

Type	*Collection*
Object Key(s)	*acl-name*
Collection Name	*acl-v6-list*
Collection URI	/axapi/v3/enable-management/service/telnet/acl-v6
Element Name	acl-v6
Element URI	/axapi/v3/enable-management/service/telnet/acl-v6/{acl-name}
Element Attributes	acl-v6_attributes
Schema	`acl-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/service/telnet/acl-v6

acl-v6 attributes

Create List

POST

/axapi/v3/enable-management/service/telnet/acl-v6

acl-v6 attributes

Get Object

GET

/axapi/v3/enable-management/service/telnet/acl-v6/{acl-name}

acl-v6 attributes

Get List

GET

/axapi/v3/enable-management/service/telnet/acl-v6

acl-v6-list

Modify Object

POST

/axapi/v3/enable-management/service/telnet/acl-v6/{acl-name}

acl-v6 attributes

Replace Object

PUT

/axapi/v3/enable-management/service/telnet/acl-v6/{acl-name}

acl-v6 attributes

Replace List

PUT

/axapi/v3/enable-management/service/telnet/acl-v6

acl-v6-list

Delete Object

DELETE

/axapi/v3/enable-management/service/telnet/acl-v6/{acl-name}

acl-v6 attributes

acl-v6-list

acl-v6-list is **JSON List** of *acl-v6 attributes*

```
acl-v6-list : [
        { acl-v6 attributes },
        { acl-v6 attributes },
        ...
    ]
```

acl-v6 attributes

acl-name

Description ACL name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

all-data-intf

Description All Data Interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel-end

Description tunnel port

Type: number

tunnel-start

Description tunnel port (tunnel Interface number)

Type: number

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.29.28 enable-management snmp

snmp Specification

Type	*Configuration Resource*
Element Name	snmp
Element URI	/axapi/v3/enable-management/snmp
Element Attributes	snmp_attributes
Operational Data URI	/axapi/v3/enable-management/snmp/oper
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/snmp

snmp attributes

Get Object

GET

/axapi/v3/enable-management/snmp

snmp attributes

Modify Object

POST

/axapi/v3/enable-management/snmp

snmp attributes

Replace Object

PUT

/axapi/v3/enable-management/snmp

snmp attributes

Delete Object

DELETE

/axapi/v3/enable-management/snmp

snmp attributes

snmp attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	port-list		port-list

2.29.29 enable-management ssh

ssh Specification

Type	*Configuration Resource*
Element Name	ssh
Element URI	/axapi/v3/enable-management/ssh
Element Attributes	ssh_attributes
Operational Data URI	/axapi/v3/enable-management/ssh/oper
Schema	`ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/ssh

ssh attributes

Get Object

GET

/axapi/v3/enable-management/ssh

ssh attributes

Modify Object

POST

/axapi/v3/enable-management/ssh

ssh attributes

Replace Object

PUT

/axapi/v3/enable-management/ssh

ssh attributes

Delete Object

DELETE

/axapi/v3/enable-management/ssh

ssh attributes

ssh attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	port-list		port-list

2.29.30 enable-management telnet

telnet Specification

Type	*Configuration Resource*
Element Name	telnet
Element URI	/axapi/v3/enable-management/telnet
Element Attributes	telnet_attributes
Operational Data URI	/axapi/v3/enable-management/telnet/oper
Schema	`telnet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/enable-management/telnet

telnet attributes

Get Object

GET

/axapi/v3/enable-management/telnet

telnet attributes

Modify Object

POST

/axapi/v3/enable-management/telnet

telnet attributes

Replace Object

PUT

/axapi/v3/enable-management/telnet

telnet attributes

Delete Object

DELETE

/axapi/v3/enable-management/telnet

telnet attributes

telnet attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	port-list		port-list

2.30 environment

Objects:

2.30.1 environment

environment status colletion parameters

environment Specification

Type	*Configuration Resource*
Element Name	environment
Element URI	/axapi/v3/environment
Element Attributes	environment_attributes
Schema	`environment schema`

Operations Allowed:

Create Object

POST

/axapi/v3/environment

environment attributes

Get Object

GET

/axapi/v3/environment

environment attributes

Modify Object

POST

/axapi/v3/environment

environment attributes

Replace Object

PUT

/axapi/v3/environment

environment attributes

Delete Object

DELETE

/axapi/v3/environment

environment attributes

environment attributes

threshold-cfg

Description: threshold-cfg is a **JSON Block**. Please see below for *threshold-cfg*

Type: Object

update-interval

Description: update-interval is a **JSON Block**. Please see below for *update-interval*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

update-interval

Specification	
Type	*object*

interval

Description Interval

Type: number

Range: 1-60

Default: 30

threshold-cfg

Specification	
Type	*object*

high

Description High threshold value in Celsius

Type: number

low

Description Low threshold value in Celsius

Type: number

medium

Description Medium threshold value in Celsius

Type: number

2.31 event

Objects:

2.31.1 event

configure event actions

event Specification

Type	*Intermediate Resource*
Element Name	event
Element URI	/axapi/v3/event
Element Attributes	event_attributes
Schema	`event schema`

Operations Allowed:

Get Object

GET

/axapi/v3/event

event_attributes

event attributes

partition-list

Type: List

Refernce Object: */axapi/v3/event/partition/{vnp-events}*

partition-list

Specification	
Type	*list*
Block object keys	

email

Description 'on': enable this action; 'off': disable this action;

Type: string

Supported Values: on, off

logging

Description 'on': enable this action; 'off': disable this action;

Type: string

Supported Values: on, off

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vnp-events

Description 'part-create': Create new partition; 'part-del': Delete a partition;

Type: string

Supported Values: part-create, part-del

2.31.2 event partition

module partition

partition Specification

Type	*Collection*
Object Key(s)	*vnp-events*
Collection Name	*partition-list*
Collection URI	/axapi/v3/event/partition
Element Name	partition
Element URI	/axapi/v3/event/partition/{vnp-events}
Element Attributes	partition_attributes
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/event/partition

partition attributes

```
POST /axapi/v3/event/partition/
Payload:
{
    "partition": {
        "vnp-events": "part-create",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/event/partition

partition attributes

Get Object

GET

/axapi/v3/event/partition/{vnp-events}

partition attributes

```
GET /axapi/v3/event/partition/part-create
Reponse:
{
    "partition": {
        "vnp-events": "part-create",
        "uuid": "bb9abb7e-5bed-11d9-abbe-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/event/partition/part-create"
    }
}
```

Get List

GET

/axapi/v3/event/partition

partition-list

Modify Object

POST

/axapi/v3/event/partition/{vnp-events}

partition attributes

Replace Object

PUT

/axapi/v3/event/partition/{vnp-events}

partition attributes

```
PUT /axapi/v3/event/partition/part-create
Payload:
{
    "partition": {
        "vnp-events": "part-create",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/event/partition

partition-list

Delete Object

DELETE

/axapi/v3/event/partition/{vnp-events}

partition attributes

```
DELETE /axapi/v3/event/partition/part-create
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

partition-list

partition-list is **JSON List** of *partition attributes*

partition-list : [

{ *partition attributes* },

{ *partition attributes* },

...

]

partition attributes

email

Description 'on': enable this action; 'off': disable this action;

Type: string

Supported Values: on, off

logging

Description 'on': enable this action; 'off': disable this action;

Type: string

Supported Values: on, off

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vnp-events

Description 'part-create': Create new partition; 'part-del': Delete a partition;

Type: string

Supported Values: part-create, part-del

2.32 event-notification

Objects:

2.32.1 event-notification

Event notification type

event-notification Specification

Type	*Intermediate Resource*
Element Name	event-notification
Element URI	/axapi/v3/event-notification
Element Attributes	event-notification_attributes
Schema	`event-notification schema`

Operations Allowed:

Get Object

GET

/axapi/v3/event-notification

event-notification_attributes

event-notification attributes

kafka

Description: kafka is a **JSON Block**. Please see below for *kafka*

Type: Object

Refernce Object: */axapi/v3/event-notification/kafka*

kafka

Specification	
Type	*object*

server

Description: server is a **JSON Block**. Please see below for *kafka_server*

Type: Object

Refernce Object: */axapi/v3/event-notification/kafka/server*

kafka_server

Specification	
Type	*object*

host-ipv4

Description Set kafka Broker ip address or hostname

Type: string

Format: host

port

Description Set remote kafka port number (Remote kafka port number 1-32767, default is 9092)

Type: number

Range: 1-32767

Default: 9092

sampling-enable

Type: List

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kafka_server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'vcpe-events-device-status': vCPE_Events topic device status counter; 'vcpe-messagestream-device-dhcp-stream': vCPE_MessageStream topic device dhcp stream counter; 'vcpe-events-tunnel-status': vCPE_Events topic tunnel status counter; 'vcpe-events-device-report': vCPE_Events topic device report counter; 'cfg-sent-to-cm': Configuration sent to CM from Backend counter; 'kafka-broker-down': Notification not sent because kafka broker is down; 'kafka-queue-full-err': Notification drop because kafka Queue is full; 'cfg-sent-to-cm-enqueue-err': Configuration sent to CM enqueue error; 'vcpe-messagestream-dhcp-stream-enqueue-err': vCPE_MessageStream topic device dhcp stream counter enqueue error; 'vcpe-events-tunnel-status-enqueue-err': vCPE_Events topic tunnel status counter enqueue error; 'vcpe-events-device-status-enqueue-err': vCPE_Events topic device status counter enqueue error; 'vcpe-events-device-report-enqueue-err': vCPE_Events topic device report counter enqueue error; 'cfg-sent-to-cm-dequeue-err': Configuration sent to CM dequeue error; 'vcpe-messagestream-dhcp-stream-dequeue-err': vCPE_MessageStream topic device dhcp stream counter dequeue error; 'vcpe-events-tunnel-status-dequeue-err': vCPE_Events topic tunnel status counter dequeue error; 'vcpe-events-device-status-dequeue-err': vCPE_Events topic device status counter dequeue error; 'vcpe-events-device-report-dequeue-err': vCPE_Events topic device report counter dequeue error; 'kafka-unknown-topic-dequeue-err': Kafka Unknown topic error; 'pr-acos-appcito-topic': PR topic counter from acos to appcito; 'pr-acos-appcito-topic-enqueue-err': PR topic to appcito enqueue error; 'pr-acos-appcito-topic-dequeue-err': PR topic to appcito dequeue error; 'host-acos-appcito-topic': HOST topic counter from acos to appcito; 'host-acos-appcito-topic-enqueue-err': HOST topic to appcito enqueue error; 'host-acos-appcito-topic-dequeue-err': HOST topic to appcito dequeue error; 'server-acos-appcito-topic': SERVER topic counter from acos to appcito; 'server-acos-appcito-topic-enqueue-err': SERVER topic to appcito enqueue error; 'server-acos-appcito-topic-dequeue-err': SERVER topic to appcito dequeue error; 'service-acos-appcito-topic': SERVICE topic counter from acos to appcito; 'service-acos-appcito-topic-enqueue-err': SERVICE topic to appcito enqueue error; 'service-acos-appcito-topic-dequeue-err': SERVICE topic to appcito dequeue error; 'flow-acos-appcito-topic': FLOW topic counter from acos to appcito; 'flow-acos-appcito-topic-enqueue-err': FLOW topic to appcito enqueue error; 'flow-acos-appcito-topic-dequeue-err': FLOW topic to appcito dequeue error;

Type: string

Supported Values: all, pr-acos-harmony-topic, avro-device-status-topic, avro-partition-metrics-topic, avro-generic-sent, pr-acos-harmony-topic-enqueue-err, pr-acos-harmony-topic-dequeue-err, avro-generic-failed-encoding, avro-generic-failed-sending, avro-device-status-topic-enqueue-err, avro-device-status-topic-dequeue-err, avro-partition-metrics-topic-enqueue-err, avro-partition-metrics-topic-dequeue-err, kafka-unknown-topic-dequeue-err, kafka-broker-down, kafka-queue-full-err, pr-throttle-drop, pr-not-allowed-drop, pr-be-ttfb-anomaly, pr-be-ttlb-anomaly, pr-in-latency-threshold-exceed, pr-out-latency-threshold-exceed, pr-out-latency-anomaly, pr-in-latency-anomaly, kafka-topic-error, pc-encoding-failed, pc-acos-harmony-topic, pc-acos-harmony-topic-dequeue-err, cgn-pc-acos-harmony-topic, cgn-pc-acos-harmony-topic-dequeue-err, cgn-pe-acos-harmony-topic, cgn-pe-acos-harmony-topic-dequeue-err, fw-pc-acos-harmony-topic, fw-pc-acos-harmony-topic-dequeue-err, fw-deny-pc-acos-harmony-topic, fw-deny-pc-acos-harmony-topic-dequeue-err, fw-rst-pc-acos-harmony-topic, fw-rst-pc-acos-harmony-topic-dequeue-err, cgn-summary-error-acos-harmony-topic, cgn-summary-error-acos-harmony-topic-dequeue-err, rule-set-application-metrics-topic, rule-set-application-metrics-topic-dequeue-err, slb-ssl-stats-metrics-topic, slb-ssl-stats-metrics-topic-dequeue-err, slb-client-ssl-counters-metrics-topic, slb-client-ssl-counters-metrics-topic-dequeue-err, slb-server-ssl-counters-metrics-topic, slb-server-ssl-counters-metrics-topic-dequeue-err, pc-throttle-drop, metrics-dropped-pt-missing, ssli-pc-acos-harmony-topic, ssli-pc-acos-harmony-topic-dequeue-err, ssli-pe-acos-harmony-topic, ssli-pe-acos-harmony-topic-dequeue-err, analytics-bus-restart, waf-learn-pr-topic, waf-learn-pr-topic-dequeue-err, waf-events-topic, waf-events-topic-dequeue-err, visibility-topn-harmony-topic, visibility-topn-harmony-topic-dequeue-err, hc-logs-sent-to-master, hc-logs-received-from-blade, hc-oper-sent-to-master, hc-oper-received-from-blade, hc-counters-sent-to-master, hc-counters-received-from-blade, hc-counters-dropped-from-blade, pe-acos-harmony-topic, pe-acos-harmony-topic-enqueue-err, pe-acos-harmony-topic-dequeue-err, vpn-ipsec-sa-metrics-topic, vpn-ipsec-sa-metrics-topic-dequeue-err, vpn-ike-gateway-metrics-topic, vpn-ike-gateway-metrics-topic-dequeue-err, vpn-stats-metrics-topic, vpn-stats-metrics-topic-dequeue-err, cgn-port-usage-hstgrm-acos-harmony-topic, cgn-port-usage-hstgrm-acos-harmony-topic-dequeue-err, avro-system-env-topic, avro-system-env-dequeue-err, cert-pinning-list-topic, cert-pinning-list-topic-dequeue-err

2.32.2 event-notification kafka

Set parameters for kafka server

kafka Specification

Type	*Intermediate Resource*
Element Name	kafka
Element URI	/axapi/v3/event-notification/kafka
Element Attributes	kafka_attributes
Schema	`kafka schema`

Operations Allowed:

Get Object

GET

/axapi/v3/event-notification/kafka

kafka_attributes

kafka attributes

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Refernce Object: */axapi/v3/event-notification/kafka/server*

server

Specification	
Type	*object*

host-ipv4

Description Set kafka Broker ip address or hostname

Type: string

Format: host

port

Description Set remote kafka port number (Remote kafka port number 1-32767, default is 9092)

Type: number

Range: 1-32767

Default: 9092

sampling-enable

Type: List

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'vcpe-events-device-status': vCPE_Events topic device status counter; 'vcpe-messagestream-device-dhcp-stream': vCPE_MessageStream topic device dhcp stream counter; 'vcpe-events-tunnel-status': vCPE_Events topic tunnel status counter; 'vcpe-events-device-report': vCPE_Events topic device report counter; 'cfg-sent-to-cm': Configuration sent to CM from Backend counter; 'kafka-broker-down': Notification not sent because kafka broker is down; 'kafka-queue-full-err': Notification drop because kafka Queue is full; 'cfg-sent-to-cm-enqueue-err': Configuration sent to CM enqueue error; 'vcpe-messagestream-dhcp-stream-enqueue-err': vCPE_MessageStream topic device dhcp stream counter enqueue error; 'vcpe-events-tunnel-status-enqueue-err': vCPE_Events topic tunnel status counter enqueue error; 'vcpe-events-device-status-enqueue-err': vCPE_Events topic device status counter enqueue error; 'vcpe-events-device-report-enqueue-err': vCPE_Events topic device report counter enqueue error; 'cfg-sent-to-cm-dequeue-err': Configuration sent to CM dequeue error; 'vcpe-messagestream-dhcp-stream-dequeue-err': vCPE_MessageStream topic device dhcp stream counter dequeue error; 'vcpe-events-tunnel-status-dequeue-err': vCPE_Events topic tunnel status counter dequeue error; 'vcpe-events-device-status-dequeue-err': vCPE_Events topic device status counter dequeue error; 'vcpe-events-device-report-dequeue-err': vCPE_Events topic device report counter dequeue error; 'kafka-unknown-topic-dequeue-err': Kafka Unknown topic error; 'pr-acos-appcito-topic': PR topic counter from acos to appcito; 'pr-acos-appcito-topic-enqueue-err': PR topic to appcito enqueue error; 'pr-acos-appcito-topic-dequeue-err': PR topic to appcito dequeue error; 'host-acos-appcito-topic': HOST topic counter from acos to appcito; 'host-acos-appcito-topic-enqueue-err': HOST topic to appcito enqueue error; 'host-acos-appcito-topic-dequeue-err': HOST topic to appcito dequeue error; 'server-acos-appcito-topic': SERVER topic counter from acos to appcito; 'server-acos-appcito-topic-enqueue-err': SERVER topic to appcito enqueue error; 'server-acos-appcito-topic-dequeue-err': SERVER topic to appcito dequeue error; 'service-acos-appcito-topic': SERVICE topic counter from acos to appcito; 'service-acos-appcito-topic-enqueue-err': SERVICE topic to appcito enqueue error; 'service-acos-appcito-topic-dequeue-err': SERVICE topic to appcito dequeue error; 'flow-acos-appcito-topic': FLOW topic counter from acos to appcito; 'flow-acos-appcito-topic-enqueue-err': FLOW topic to appcito enqueue error; 'flow-acos-appcito-topic-dequeue-err': FLOW topic to appcito dequeue error;

Type: string

Supported Values: all, pr-acos-harmony-topic, avro-device-status-topic, avro-partition-metrics-topic, avro-generic-sent, pr-acos-harmony-topic-enqueue-err, pr-acos-harmony-topic-dequeue-err, avro-generic-failed-encoding, avro-generic-failed-sending, avro-device-status-topic-enqueue-err, avro-device-status-topic-dequeue-err, avro-partition-metrics-topic-enqueue-err, avro-partition-metrics-topic-dequeue-err, kafka-unknown-topic-dequeue-err, kafka-broker-down, kafka-queue-full-err, pr-throttle-drop, pr-not-allowed-drop, pr-be-ttfb-anomaly, pr-be-ttlb-anomaly, pr-in-latency-threshold-exceed, pr-out-latency-threshold-exceed, pr-out-latency-anomaly, pr-in-latency-anomaly, kafka-topic-error, pc-encoding-failed, pc-acos-harmony-topic, pc-acos-harmony-topic-dequeue-err, cgn-pc-acos-harmony-topic, cgn-pc-acos-harmony-topic-dequeue-err, cgn-pe-acos-harmony-topic, cgn-pe-acos-harmony-topic-dequeue-err, fw-pc-acos-harmony-topic, fw-pc-acos-harmony-topic-dequeue-err, fw-deny-pc-acos-harmony-topic, fw-deny-pc-acos-harmony-topic-dequeue-err, fw-rst-pc-

acos-harmony-topic, fw-rst-pc-acos-harmony-topic-dequeue-err, cgn-summary-error-acos-harmony-topic, cgn-summary-error-acos-harmony-topic-dequeue-err, rule-set-application-metrics-topic, rule-set-application-metrics-topic-dequeue-err, slb-ssl-stats-metrics-topic, slb-ssl-stats-metrics-topic-dequeue-err, slb-client-ssl-counters-metrics-topic, slb-client-ssl-counters-metrics-topic-dequeue-err, slb-server-ssl-counters-metrics-topic, slb-server-ssl-counters-metrics-topic-dequeue-err, pc-throttle-drop, metrics-dropped-pt-missing, ssli-pc-acos-harmony-topic, ssli-pc-acos-harmony-topic-dequeue-err, ssli-pe-acos-harmony-topic, ssli-pe-acos-harmony-topic-dequeue-err, analytics-bus-restart, waf-learn-pr-topic, waf-learn-pr-topic-dequeue-err, waf-events-topic, waf-events-topic-dequeue-err, visibility-topn-harmony-topic, visibility-topn-harmony-topic-dequeue-err, hc-logs-sent-to-master, hc-logs-received-from-blade, hc-oper-sent-to-master, hc-oper-received-from-blade, hc-counters-sent-to-master, hc-counters-received-from-blade, hc-counters-dropped-from-blade, pe-acos-harmony-topic, pe-acos-harmony-topic-enqueue-err, pe-acos-harmony-topic-dequeue-err, vpn-ipsec-sa-metrics-topic, vpn-ipsec-sa-metrics-topic-dequeue-err, vpn-ike-gateway-metrics-topic, vpn-ike-gateway-metrics-topic-dequeue-err, vpn-stats-metrics-topic, vpn-stats-metrics-topic-dequeue-err, cgn-port-usage-hstgrm-acos-harmony-topic, cgn-port-usage-hstgrm-acos-harmony-topic-dequeue-err, avro-system-env-topic, avro-system-env-dequeue-err, cert-pinning-list-topic, cert-pinning-list-topic-dequeue-err

2.32.3 event-notification kafka server

Set remote kafka server ip address

server Specification

Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/event-notification/kafka/server
Element Attributes	server_attributes
Statistics Data URI	/axapi/v3/event-notification/kafka/server/stats
Operational Data URI	/axapi/v3/event-notification/kafka/server/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/event-notification/kafka/server

server attributes

Get Object

GET

/axapi/v3/event-notification/kafka/server

server attributes

Modify Object

POST

/axapi/v3/event-notification/kafka/server

server attributes

Replace Object

PUT

/axapi/v3/event-notification/kafka/server

server attributes

Delete Object

DELETE

/axapi/v3/event-notification/kafka/server

server attributes

server attributes

host-ipv4

Description Set kafka Broker ip address or hostname

Type: string

Format: host

port

Description Set remote kafka port number (Remote kafka port number 1-32767, default is 9092)

Type: number

Range: 1-32767

Default: 9092

sampling-enable

Type: List

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'vcpe-events-device-status': vCPE_Events topic device status counter; 'vcpe-messagestream-device-dhcp-stream': vCPE_MessageStream topic device dhcp stream counter; 'vcpe-events-tunnel-status': vCPE_Events topic tunnel status counter; 'vcpe-events-device-report': vCPE_Events topic device report counter; 'cfg-sent-to-cm': Configuration sent to CM from Backend counter; 'kafka-broker-down': Notification not sent because kafka broker is down; 'kafka-queue-full-err': Notification drop because kafka Queue is full; 'cfg-sent-to-cm-enqueue-err': Configuration sent to CM enqueue error; 'vcpe-messagestream-dhcp-stream-enqueue-err': vCPE_MessageStream topic device dhcp stream counter enqueue error; 'vcpe-events-tunnel-status-enqueue-err': vCPE_Events topic tunnel status counter enqueue error; 'vcpe-events-device-status-enqueue-err': vCPE_Events topic device status counter enqueue error; 'vcpe-events-device-report-enqueue-err': vCPE_Events topic device report counter enqueue error; 'cfg-sent-to-cm-dequeue-err': Configuration sent to CM dequeue error; 'vcpe-messagestream-dhcp-stream-dequeue-err': vCPE_MessageStream topic device dhcp stream counter dequeue error; 'vcpe-events-tunnel-status-dequeue-err': vCPE_Events topic tunnel status counter dequeue error; 'vcpe-events-device-status-dequeue-err': vCPE_Events topic device status counter dequeue error; 'vcpe-events-device-report-dequeue-err': vCPE_Events topic device report counter dequeue error; 'kafka-unknown-topic-dequeue-err': Kafka Unknown topic error; 'pr-acos-appcito-topic': PR topic counter from acos to appcito; 'pr-acos-appcito-topic-enqueue-err': PR topic to appcito enqueue error; 'pr-acos-appcito-topic-dequeue-err': PR topic to appcito dequeue error; 'host-acos-appcito-topic': HOST topic counter from acos to appcito; 'host-acos-appcito-topic-enqueue-err': HOST topic to appcito enqueue error; 'host-acos-appcito-topic-dequeue-err': HOST topic to appcito dequeue error; 'server-acos-appcito-topic': SERVER topic counter from acos to appcito; 'server-acos-appcito-topic-enqueue-err': SERVER topic to appcito enqueue error; 'server-acos-appcito-topic-dequeue-err': SERVER topic to appcito dequeue error; 'service-acos-appcito-topic': SERVICE topic counter from acos to appcito; 'service-acos-appcito-topic-enqueue-err': SERVICE topic to appcito enqueue error; 'service-acos-appcito-topic-dequeue-err': SERVICE topic to appcito dequeue error; 'flow-acos-appcito-topic': FLOW topic counter from acos to appcito; 'flow-acos-appcito-topic-enqueue-err': FLOW topic to appcito enqueue error; 'flow-acos-appcito-topic-dequeue-err': FLOW topic to appcito dequeue error;

Type: string

Supported Values: all, pr-acos-harmony-topic, avro-device-status-topic, avro-partition-metrics-topic, avro-generic-sent, pr-acos-harmony-topic-enqueue-err, pr-acos-harmony-topic-dequeue-err, avro-generic-failed-encoding, avro-generic-failed-sending, avro-device-status-topic-enqueue-err, avro-device-status-topic-dequeue-err, avro-partition-metrics-topic-enqueue-err, avro-partition-metrics-topic-dequeue-err, kafka-unknown-topic-dequeue-err, kafka-broker-down, kafka-queue-full-err, pr-throttle-drop, pr-not-allowed-drop, pr-be-ttfb-anomaly, pr-be-ttlb-anomaly, pr-in-latency-threshold-exceed, pr-out-latency-threshold-exceed, pr-out-latency-anomaly, pr-in-latency-anomaly, kafka-topic-error, pc-encoding-failed, pc-acos-harmony-topic, pc-acos-harmony-topic-dequeue-err, cgn-pc-acos-harmony-topic, cgn-pc-acos-harmony-topic-dequeue-err, cgn-pe-acos-harmony-topic, cgn-pe-acos-harmony-topic-dequeue-err, fw-pc-acos-harmony-topic, fw-pc-acos-harmony-topic-dequeue-err, fw-deny-pc-acos-harmony-topic, fw-deny-pc-acos-harmony-topic-dequeue-err, fw-rst-pc-

acos-harmony-topic, fw-rst-pc-acos-harmony-topic-dequeue-err, cgn-summary-error-acos-harmony-topic, cgn-summary-error-acos-harmony-topic-dequeue-err, rule-set-application-metrics-topic, rule-set-application-metrics-topic-dequeue-err, slb-ssl-stats-metrics-topic, slb-ssl-stats-metrics-topic-dequeue-err, slb-client-ssl-counters-metrics-topic, slb-client-ssl-counters-metrics-topic-dequeue-err, slb-server-ssl-counters-metrics-topic, slb-server-ssl-counters-metrics-topic-dequeue-err, pc-throttle-drop, metrics-dropped-pt-missing, ssli-pc-acos-harmony-topic, ssli-pc-acos-harmony-topic-dequeue-err, ssli-pe-acos-harmony-topic, ssli-pe-acos-harmony-topic-dequeue-err, analytics-bus-restart, waf-learn-pr-topic, waf-learn-pr-topic-dequeue-err, waf-events-topic, waf-events-topic-dequeue-err, visibility-topn-harmony-topic, visibility-topn-harmony-topic-dequeue-err, hc-logs-sent-to-master, hc-logs-received-from-blade, hc-oper-sent-to-master, hc-oper-received-from-blade, hc-counters-sent-to-master, hc-counters-received-from-blade, hc-counters-dropped-from-blade, pe-acos-harmony-topic, pe-acos-harmony-topic-enqueue-err, pe-acos-harmony-topic-dequeue-err, vpn-ipsec-sa-metrics-topic, vpn-ipsec-sa-metrics-topic-dequeue-err, vpn-ike-gateway-metrics-topic, vpn-ike-gateway-metrics-topic-dequeue-err, vpn-stats-metrics-topic, vpn-stats-metrics-topic-dequeue-err, cgn-port-usage-hstgrm-acos-harmony-topic, cgn-port-usage-hstgrm-acos-harmony-topic-dequeue-err, avro-system-env-topic, avro-system-env-dequeue-err, cert-pinning-list-topic, cert-pinning-list-topic-dequeue-err

stats data

	Counter	Size	Description
	rule-set-application-metrics-topic	8	AppFW metrics sent
	visibility-topn-harmony-topic-dequeue-err	8	Visibility TopN metrics dropped,enq error analytics qs
	cgn-summary-error-acos-harmony-topic	8	CGN PE logs sent
	cert-pinning-list-topic-dequeue-err	8	Cert-pinning candidate list dropped,enq error analytics queues
	cgn-pe-acos-harmony-topic	8	CGN PE logs sent
	pr-out-latency-anomaly	8	L7 PR out latency negative
	cgn-pc-acos-harmony-topic-dequeue-err	8	CGN PC logs dropped,enq error analytics queues

continues on next page

Table 2.10 – continued from previous page

	Counter	Size	Description
	waf-events-topic-dequeue-err	8	WAF events metrics dropped,enq error analytics qs
	pr-in-latency-threshold-exceed	8	L7 PR on latency threshold exceeded
	cert-pinning-list-topic	8	Cert-pinning candidate list sent
	avro-generic-failed-sending	8	Generic Metrics dropped,sending failure
	pe-acos-harmony-topic-enqueue-err	8	L7 PE dropped,enq error on acos queues
	slb-ssl-stats-metrics-topic	8	SSL metrics sent
	hc-counters-received-from-blade	8	HC counters received from blade
	visibility-topn-harmony-topic	8	Visibility TopN sent
	pc-encoding-failed	8	L4 PC logs dropped,encoding error
	kafka-topic-error	8	Module not supported by analytics
	waf-events-topic	8	WAF events topic counter
	avro-device-status-topic-dequeue-err	8	Device Status dropped,enq error analytics queues
	slb-client-ssl-counters-metrics-topic-dequeue-err	8	Cilent SSL metrics dropped,enq error analytics qs
	pr-acos-harmony-topic	8	L7 PR logs sent
	waf-learn-pr-topic	8	WAF learn topic counter
	fw-rst-pc-acos-harmony-topic	8	FW RST PC logs sent

continues on next page

Table 2.10 – continued from previous page

	Counter	Size	Description
	pr-out-latency-threshold-exceed	8	L7 PR out latency threshold exceeded
	pc-acos-harmony-topic	8	L4 PC logs sent
	pr-in-latency-anomaly	8	L7 PR on latency negative
	vpn-ipsec-sa-metrics-topic	8	IPSec SA metrics sent
	pr-acos-harmony-topic-enqueue-err	8	L7 PR dropped,enq error on acos queues
	hc-logs-received-from-blade	8	HC logs received from blade
	vpn-stats-metrics-topic-dequeue-err	8	VPN STATS metrics dropped,enq error analytics qs
	kafka-broker-down	8	Notification not sent because kafka broker is down
	fw-pc-acos-harmony-topic-dequeue-err	8	FW PC logs dropped,enq error analytics queues
	avro-system-env-topic	8	System environment sent
	cgn-summary-error-acos-harmony-topic-dequeue-err	8	CGN PE logs dropped,enq error analytics queues
	hc-oper-received-from-blade	8	HC oper received from blade
	avro-device-status-topic-enqueue-err	8	Device Status dropped,enq error on acos queues
	kafka-queue-full-err	8	Notification drop because kafka Queue is full
	ssli-pc-acos-harmony-topic	8	SSLi PC topic counter from acos to harmony

continues on next page

Table 2.10 – continued from previous page

	Counter	Size	Description
	ssli-pe-acos-harmony-topic	8	SSLi PE topic counter from acos to harmony
	pr-throttle-drop	8	L7 PR dropped,log throttling
	hc-oper-sent-to-master	8	HC oper to master
	avro-partition-metrics-topic	8	Partition Metrics sent
	avro-partition-metrics-topic-enqueue-err	8	Part metrics dropped,enq error on acos queues
	pe-acos-harmony-topic-dequeue-err	8	L7 PE dropped,enq error analytics queues
	fw-deny-pc-acos-harmony-topic	8	FW DENY PC logs sent
	cgn-port-usage-hstgrm-acos-harmony-topic	8	CGN Port Usage Histogram HC Export
	vpn-ipsec-sa-metrics-topic-dequeue-err	8	IPSec SA metrics dropped,enq error analytics qs
	pc-acos-harmony-topic-dequeue-err	8	L4 PC logs dropped,enq error analytics queues
	pr-acos-harmony-topic-dequeue-err	8	L7 PR dropped,enq error analytics queues
	rule-set-application-metrics-topic-dequeue-err	8	AppFW metrics dropped,enq error analytics queues
	slb-ssl-stats-metrics-topic-dequeue-err	8	SSL metrics dropped,enq error analytics queues

continues on next page

Table 2.10 – continued from previous page

	Counter	Size	Description
	vpn-ike-gateway-metrics-topic	8	IKE gateway metrics sent
	avro-generic-sent	8	Generic Metrics sent
	slb-server-ssl-counters-metrics-topic	8	Server SSL metrics sent
	fw-pc-acos-harmony-topic	8	FW PC logs sent
	kafka-unknown-topic-dequeue-err	8	Kafka Unknown topic error
	pe-acos-harmony-topic	8	L7 PE logs sent
	hc-counters-dropped-from-blade	8	HC counters dropped from blade (uuid or size mismatch)
	fw-rst-pc-acos-harmony-topic-dequeue-err	8	FW RST PC logs dropped,enq error analytics queues
	cgn-port-usage-hstgrm-acos-harmony-topic-dequeue-err	8	CGN Port Usage Histogram HC Export Failed
	avro-device-status-topic	8	Device Status Metrics sent
	hc-counters-sent-to-master	8	HC counters sent to master
	analytics-bus-restart	8	Analytics bus restart count
	vpn-stats-metrics-topic	8	VPN STATS metrics sent
	fw-deny-pc-acos-harmony-topic-dequeue-err	8	FW DENY PC logs dropped,enq error analytics queues
	pc-throttle-drop	8	L4 PC logs dropped,throttling

continues on next page

Table 2.10 – continued from previous page

	Counter	Size	Description
	pr-be-ttfb-anomaly	8	L7 PR back-end ttfb is negative
	slb-server-ssl-counters-metrics-topic-dequeue-err	8	Server SSL metrics dropped,enq error analytics qs
	waf-learn-pr-topic-dequeue-err	8	WAF learn metrics dropped,enq error analytics qs
	avro-partition-metrics-topic-dequeue-err	8	Part metrics dropped,enq error analytics queues
	pr-be-ttlb-anomaly	8	L7 PR back-end ttlb is negative
	pr-not-allowed-drop	8	L7 PR dropped, not allowed to be sent
	hc-logs-sent-to-master	8	HC logs sent to master
	avro-generic-failed-encoding	8	Generic Metrics dropped,encoding error
	ssli-pe-acos-harmony-topic-dequeue-err	8	SSLi PE topic to harmony dequeue error
	cgn-pc-acos-harmony-topic	8	CGN PC logs sent
	vpn-ike-gateway-metrics-topic-dequeue-err	8	IKE gateway metrics dropped,enq error analytics qs
	ssli-pc-acos-harmony-topic-dequeue-err	8	SSLi PC topic to harmony dequeue error
	avro-system-env-dequeue-err	8	System Environmet dropped,enq error analytics queues
	metrics-dropped-pt-missing	8	Metrics dropped,missing partition tenant mapping

continues on next page

Table 2.10 – continued from previous page

	Counter	Size	Description
	cgn-pe-acos-harmony-topic-dequeue-err	8	CGN PE logs dropped,enq error analytics queues
	slb-client-ssl-counters-metrics-topic	8	Client SSL metrics sent

operational data

	Counter	Size	Description
	kafka-broker-state	enum	Output contains one of the following values: - Up, Down

2.33 fail-safe

Objects:

2.33.1 fail-safe

Fail Safe Global Commands

fail-safe Specification

Type	*Configuration Resource*
Element Name	fail-safe
Element URI	/axapi/v3/fail-safe
Element Attributes	fail-safe_attributes
Operational Data URI	/axapi/v3/fail-safe/oper
Schema	`fail-safe schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fail-safe

fail-safe attributes

Get Object

GET

/axapi/v3/fail-safe

fail-safe attributes

Modify Object

POST

/axapi/v3/fail-safe

fail-safe attributes

Replace Object

PUT

/axapi/v3/fail-safe

fail-safe attributes

Delete Object

DELETE

/axapi/v3/fail-safe

fail-safe attributes

fail-safe attributes

config

Description: config is a **JSON Block**. Please see below for *config*

Type: Object

Refernce Object: */axapi/v3/fail-safe/config*

dataplane-recovery-timeout

Description dataplane hung detection timeout before ACOS is restarted (in seconds)

Type: number

Range: 1-30

Default: 5

disable-failsafe

Description: disable-failsafe is a **JSON Block**. Please see below for *disable-failsafe*

Type: Object

Refernce Object: */axapi/v3/fail-safe/disable-failsafe*

fpga-buff-recovery-threshold

Description FPGA buffers recovery threshold (Units of 256 buffers (default 2))

Type: number

Range: 1-10

Default: 2

fpga-monitor-enable

Description FPGA monitor feature enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fpga-monitor-forced-reboot

Description FPGA monitor forced reboot in error condition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fpga-monitor-interval

Description FPGA monitor packet interval (seconds) (Numbers of seconds between sending packets (default 1))

Type: number

Range: 1-60

Default: 1

fpga-monitor-threshold

Description FPGA monitor packet missed for error condition (Numbers of missed monitor packets before setting error condition (default 3))

Type: number

Range: 3-60

Default: 3

hw-error-monitor

Description 'hw-error-monitor-disable': Disable fail-safe hardware error monitor; 'hw-error-monitor-enable': Enable fail-safe hardware error monitor;

Type: string

Supported Values: hw-error-monitor-disable, hw-error-monitor-enable

Default: hw-error-monitor-enable

hw-error-recovery-timeout

Description Hardware error recovery timeout (minutes) (waiting time of recovery from hardware errors (default 0))

Type: number

Range: 1-1440

hw-ssl-timeout-monitor

Description 'hw-ssl-timeout-monitor-disable': Disable fail-safe hardware SSL timeout monitor; 'hw-ssl-timeout-monitor-enable': Enable fail-safe hardware SSL timeout monitor;

Type: string

Supported Values: hw-ssl-timeout-monitor-disable, hw-ssl-timeout-monitor-enable

Default: hw-ssl-timeout-monitor-enable

kill

Description Stop the traffic and log the event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kill and log are mutually exclusive

log

Description Log the event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: log and kill are mutually exclusive

session-mem-recovery-threshold

Description Session memory recovery threshold (percentage) (Percentage of available session memory (default 30%))

Type: number

Range: 1-100

Default: 30

sw-error-monitor-enable

Description Enable fail-safe software error monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sw-error-recovery-timeout

Description Software error recovery timeout (minutes) (waiting time of recovery from software errors (default 3))

Type: number

Range: 1-1440

Default: 3

total-memory-size-check

Description Check total memory size of current system (Size of memory (GB))

Type: number

Range: 1-256

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-failsafe

Specification	
Type	*object*

action

Description 'all': Disable All; 'io-buffer': Disable I/O Buffer; 'session-memory': Disable Session Memory; 'system-memory': Disable System Memory;

Type: string

Supported Values: all, io-buffer, session-memory, system-memory

Default: all

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

config

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	total_system_memory	number	total_system_memory
	fpga_stats_iochan		fpga_stats_iochan
	total_free_fpga_buff	number	total_free_fpga_buff
	total_fpga_buffers	number	total_fpga_buffers
	free_fpga_buffers	number	free_fpga_buffers
	fpga_stats_num_cntrs	number	fpga_stats_num_cntrs
	free_session_memory	number	free_session_memory
	avail_fpga_buff_domain1	number	avail_fpga_buff_domain1
	avail_fpga_buff_domain2	number	avail_fpga_buff_domain2
	total_session_memory	number	total_session_memory
	fpga_buff_recovery_threshold	number	fpga_buff_recovery_threshold
	sess_mem_recovery_threshold	number	sess_mem_recovery_threshold

2.33.2 fail-safe config

Fail Safe Global Commands

config Specification

Type	*Configuration Resource*
Element Name	config
Element URI	/axapi/v3/fail-safe/config
Element Attributes	config_attributes
Operational Data URI	/axapi/v3/fail-safe/config/oper
Schema	`config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fail-safe/config

config attributes

Get Object

GET

/axapi/v3/fail-safe/config

config attributes

Modify Object

POST

/axapi/v3/fail-safe/config

config attributes

Replace Object

PUT

/axapi/v3/fail-safe/config

config attributes

Delete Object

DELETE

/axapi/v3/fail-safe/config

config attributes

config attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	sw_recovery_timeout	string	sw_recovery_timeout
	sw_error_mon	string	sw_error_mon
	fpga_mon_threshold	string	fpga_mon_threshold
	hw_recovery_timeout	string	hw_recovery_timeout
	fpga_mon_interval	string	fpga_mon_interval
	hw_error_mon	string	hw_error_mon
	fpga_mon_enable	string	fpga_mon_enable
	mem_mon	string	mem_mon
	fpga_mon_forced_reboot	string	fpga_mon_forced_reboot
	data-plane_recovery_timeout	string	dataplane_recovery_timeout

2.33.3 fail-safe disable-failsafe

Disable HA failover when resource depletion is detected

disable-failsafe Specification

Type	*Configuration Resource*
Element Name	disable-failsafe
Element URI	/axapi/v3/fail-safe/disable-failsafe
Element Attributes	disable-failsafe_attributes
Schema	`disable-failsafe schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fail-safe/disable-failsafe

disable-failsafe attributes

Get Object

GET

/axapi/v3/fail-safe/disable-failsafe

disable-failsafe attributes

Modify Object

POST

/axapi/v3/fail-safe/disable-failsafe

disable-failsafe attributes

Replace Object

PUT

/axapi/v3/fail-safe/disable-failsafe

disable-failsafe attributes

Delete Object

DELETE

/axapi/v3/fail-safe/disable-failsafe

disable-failsafe attributes

disable-failsafe attributes

action

Description 'all': Disable All; 'io-buffer': Disable I/O Buffer; 'session-memory': Disable Session Memory; 'system-memory': Disable System Memory;

Type: string

Supported Values: all, io-buffer, session-memory, system-memory

Default: all

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.34 fan-speed

Objects:

2.34.1 fan-speed

Control FAN Speed setting

fan-speed Specification

Type	*Configuration Resource*
Element Name	fan-speed
Element URI	/axapi/v3/fan-speed
Element Attributes	fan-speed_attributes
Schema	`fan-speed schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fan-speed

fan-speed attributes

```
POST /axapi/v3/fan-speed
Payload:
{
    "fan-speed": {
        "action": "auto"
```

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```
    }
}
```

Get Object

GET

/axapi/v3/fan-speed

fan-speed attributes

```
GET /axapi/v3/fan-speed
Reponse:
{
    "fan-speed": {
        "action": "auto",
        "uuid": "6471df1e-5cc2-11d9-aff4-b1cedf1d8315",
        "a10-url": "/axapi/v3/fan-speed"
    }
}
```

Modify Object

POST

/axapi/v3/fan-speed

fan-speed attributes

Replace Object

PUT

/axapi/v3/fan-speed

fan-speed attributes

```
PUT /axapi/v3/fan-speed
Payload:
{
    "fan-speed": {
        "action": "50"
    }
}
```

fan-speed attributes

action

Description 'auto': Set FAN Speed to automatic based on system temperature; 'max': Set FAN Speed to maximum;

Type: string

Supported Values: auto, 50, 75, 100

Default: auto

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.35 file

Objects:

2.35.1 file

Local file Mangement

file Specification

Type	*Intermediate Resource*
Element Name	file
Element URI	/axapi/v3/file
Element Attributes	file_attributes
Schema	`file schema`

Operations Allowed:

Get Object

GET

/axapi/v3/file

file_attributes

file attributes

aflex

Description: aflex is a **JSON Block**. Please see below for *aflex*

Type: Object

Refernce Object: */axapi/v3/file/aflex*

auth-jwks

Description: auth-jwks is a **JSON Block**. Please see below for *auth-jwks*

Type: Object

Refernce Object: */axapi/v3/file/auth-jwks*

auth-portal

Description: auth-portal is a **JSON Block**. Please see below for *auth-portal*

Type: Object

Refernce Object: */axapi/v3/file/auth-portal*

auth-portal-image

Description: auth-portal-image is a **JSON Block**. Please see below for *auth-portal-image*

Type: Object

Refernce Object: */axapi/v3/file/auth-portal-image*

auth-saml-idp

Description: auth-saml-idp is a **JSON Block**. Please see below for *auth-saml-idp*

Type: Object

Refernce Object: */axapi/v3/file/auth-saml-idp*

aws-accesskey

Description: aws-accesskey is a **JSON Block**. Please see below for *aws-accesskey*

Type: Object

Refernce Object: */axapi/v3/file/aws-accesskey*

axdebug

Description: axdebug is a **JSON Block**. Please see below for *axdebug*

Type: Object

Refernce Object: */axapi/v3/file/axdebug*

bw-list

Description: bw-list is a **JSON Block**. Please see below for *bw-list*

Type: Object

Refernce Object: */axapi/v3/file/bw-list*

ca-cert

Description: ca-cert is a **JSON Block**. Please see below for *ca-cert*

Type: Object

Refernce Object: */axapi/v3/file/ca-cert*

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Refernce Object: */axapi/v3/file/class-list*

csr

Description: csr is a **JSON Block**. Please see below for *csr*

Type: Object

Refernce Object: */axapi/v3/file/csr*

debug-monitor

Description: debug-monitor is a **JSON Block**. Please see below for *debug-monitor*

Type: Object

Refernce Object: */axapi/v3/file/debug-monitor*

dnssec-dnskey

Description: dnssec-dnskey is a **JSON Block**. Please see below for *dnssec-dnskey*

Type: Object

Refernce Object: */axapi/v3/file/dnssec-dnskey*

dnssec-ds

Description: dnssec-ds is a **JSON Block**. Please see below for *dnssec-ds*

Type: Object

Refernce Object: */axapi/v3/file/dnssec-ds*

geo-location

Description: geo-location is a **JSON Block**. Please see below for *geo-location*

Type: Object

Refernce Object: */axapi/v3/file/geo-location*

glm-cert

Description: glm-cert is a **JSON Block**. Please see below for *glm-cert*

Type: Object

Refernce Object: */axapi/v3/file/glm-cert*

glm-license

Description: glm-license is a **JSON Block**. Please see below for *glm-license*

Type: Object

Refernce Object: */axapi/v3/file/glm-license*

hc-pt-mapping

Description: hc-pt-mapping is a **JSON Block**. Please see below for *hc-pt-mapping*

Type: Object

Refernce Object: */axapi/v3/file/hc-pt-mapping*

health-external

Description: health-external is a **JSON Block**. Please see below for *health-external*

Type: Object

Refernce Object: */axapi/v3/file/health-external*

health-postfile

Description: health-postfile is a **JSON Block**. Please see below for *health-postfile*

Type: Object

Refernce Object: */axapi/v3/file/health-postfile*

license

Description: license is a **JSON Block**. Please see below for *license*

Type: Object

Refernce Object: */axapi/v3/file/license*

local-uri-file

Description: local-uri-file is a **JSON Block**. Please see below for *local-uri-file*

Type: Object

Refernce Object: */axapi/v3/file/local-uri-file*

log-backup

Description: log-backup is a **JSON Block**. Please see below for *log-backup*

Type: Object

Refernce Object: */axapi/v3/file/log-backup*

policy

Description: policy is a **JSON Block**. Please see below for *policy*

Type: Object

Refernce Object: */axapi/v3/file/policy*

rpz

Description: rpz is a **JSON Block**. Please see below for *rpz*

Type: Object

Refernce Object: */axapi/v3/file/rpz*

ssh-pubkey

Description: ssh-pubkey is a **JSON Block**. Please see below for *ssh-pubkey*

Type: Object

Refernce Object: */axapi/v3/file/ssh-pubkey*

ssl-cert

Description: ssl-cert is a **JSON Block**. Please see below for *ssl-cert*

Type: Object

Refernce Object: */axapi/v3/file/ssl-cert*

ssl-cert-key

Description: ssl-cert-key is a **JSON Block**. Please see below for *ssl-cert-key*

Type: Object

Refernce Object: */axapi/v3/file/ssl-cert-key*

ssl-cert-poc

Description: ssl-cert-poc is a **JSON Block**. Please see below for *ssl-cert-poc*

Type: Object

Refernce Object: */axapi/v3/file/ssl-cert-poc*

ssl-crl

Description: ssl-crl is a **JSON Block**. Please see below for *ssl-crl*

Type: Object

Refernce Object: */axapi/v3/file/ssl-crl*

ssl-key

Description: ssl-key is a **JSON Block**. Please see below for *ssl-key*

Type: Object

Refernce Object: */axapi/v3/file/ssl-key*

startup-config

Description: startup-config is a **JSON Block**. Please see below for *startup-config*

Type: Object

Refernce Object: */axapi/v3/file/startup-config*

syslog

Description: syslog is a **JSON Block**. Please see below for *syslog*

Type: Object

Refernce Object: */axapi/v3/file/syslog*

system-backup

Description: system-backup is a **JSON Block**. Please see below for *system-backup*

Type: Object

Refernce Object: */axapi/v3/file/system-backup*

techsupport

Description: techsupport is a **JSON Block**. Please see below for *techsupport*

Type: Object

Refernce Object: */axapi/v3/file/techsupport*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/file/template*

waf

Description: waf is a **JSON Block**. Please see below for *waf*

Type: Object

Refernce Object: */axapi/v3/file/waf*

web-category-license

Description: web-category-license is a **JSON Block**. Please see below for *web-category-license*

Type: Object

Refernce Object: */axapi/v3/file/web-category-license*

web-service-cert-key

Description: web-service-cert-key is a **JSON Block**. Please see below for *web-service-cert-key*

Type: Object

Refernce Object: */axapi/v3/file/web-service-cert-key*

wsdl

Description: wsdl is a **JSON Block**. Please see below for *wsdl*

Type: Object

Refernce Object: */axapi/v3/file/wsdl*

xml-schema

Description: xml-schema is a **JSON Block**. Please see below for *xml-schema*

Type: Object

Refernce Object: */axapi/v3/file/xml-schema*

geo-location

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description geo-location database local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description geo-location database list file size in byte

Type: number

Range: 0-2147483647

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-key

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

secured

Description Mark keys as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

size

Description ssl certificate file size in byte

Type: number

Range: 0-2147483647

bw-list

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description bw-list file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description bw-list file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz

Specification	
Type	*object*

action

Description 'import': import; 'export': export; 'check': check; 'delete': delete;

Type: string

Supported Values: import, export, check, delete

device

Description Device (Device ID)

Type: number

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description RPZ file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aws-accesskey

Specification	
Type	*object*

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user

Description user name of the pub key

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syslog

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description syslog local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description syslog file size in byte

Type: number

Range: 0-2147483647

health-external

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

description

Description Describe the Program Function briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

file

Description Specify the Program Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description syslog file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-portal

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description Destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description Authentication portal local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description Authentication portal file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-jwks

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, copy, rename, check, replace, delete

dst-file

Description Destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description JWK local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description JWK file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aflex

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description aflex local file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description aflex file size in byte

Type: number

Range: 0-2147483647

skip-backup

Description Skip backup logic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-postfile

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

file

Description Specify the File Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description syslog file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssh-pubkey

Specification	
Type	*object*

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user

Description user name of the pub key

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-license

Specification	
Type	*object*

action

Description 'import': import;

Type: string

Supported Values: import

device

Description Device (Device ID)

Type: number

file

Description Web-Category license local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description License file size in byte

Type: number

Range: 0-2147483647

use-mgmt-port

Description Enable management port for backend

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-backup

Specification	
Type	*object*

all

Description all log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

date

Description specify number of days

Type: number

Range: 1-31

day

Description Most recent day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expedite

Description Expedite the Backup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

month

Description Most recent month

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify backup period

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data

Description Backup web statistical data

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

week

Description Most recent week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

waf

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-crl

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

file

Description ssl crl local file name

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

size

Description ssl crl file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug-monitor

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description debug monitor local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description debug monitor file size in byte

Type: number

Range: 0-2147483647

web-service-cert-key

Specification	
Type	*object*

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

system-backup

Specification	
Type	*object*

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

template

Specification	
Type	*object*

act-type

Description Specify ACT package type (i.e. slug/destination name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description aflex local file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description aflex file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description Policy local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description Policy file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

csr

Specification	
Type	*object*

action

Description 'export': export;

Type: string

Supported Values: export

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description Specify the File Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

size

Description CSR file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-portal-image

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description Destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description Authentication portal image local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description Authentication portal image file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list

Specification	
Type	*object*

action

Description 'ceate': ceate; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description class list local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description class list file size in byte

Type: number

Range: 0-2147483647

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

glm-license

Specification	
Type	*object*

action

Description 'import': import;

Type: string

Supported Values: import

device

Description Device (Device ID)

Type: number

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description glm license local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ssl-cert-poc

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description public-key

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

size

Description ssl certificate file size in byte

Type: number

Range: 0-2147483647

dnssec-ds

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

file

Description dnssec ds local file name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description dnssec ds file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-uri-file

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description local uri file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wsdl

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description WSDL local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description WSDL file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-key

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl key local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

secured

Description Mark as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

size

Description ssl key file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

license

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

device

Description Device (Device ID)

Type: number

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description license local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description license file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ca-cert

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl ca certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

pfx-password-export

Description The password for exported certificate file (pfx type only)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

size

Description ssl ca certificate file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

glm-cert

Specification	
Type	*object*

action

Description 'import': import;

Type: string

Supported Values: import

device

Description Device (Device ID)

Type: number

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description glm license local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

axdebug

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description axdebug local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description axdebug file size in byte

Type: number

Range: 0-2147483647

techsupport

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description techsupport local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

size

Description techsupport file size in byte

Type: number

Range: 0-2147483647

xml-schema

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description XML-Schema local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description XML-Schema file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

startup-config

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: import

dst-file

Description destination file name for copy and rename action

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

file

Description startup-config local file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description startup-config file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-saml-idp

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description Destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description SAML metadata local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description SAML metadata file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-xml-signature

Description Verify metadata's XML signature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hc-pt-mapping

Specification	
Type	*object*

action

Description 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: import, export, copy, rename, check, replace, delete

file

Description harmony-controller local partition tenant mapping file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ssl-cert

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

pfx-password-export

Description The password for exported certificate file (pfx type only)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

size

Description ssl certificate file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dnssec-dnskey

Specification	
Type	*object*

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

file

Description dnssec dnskey local file name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description dnssec dnskey file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.35.2 file rpz

Response Policy Zone

rpz Specification

Type	*Configuration Resource*
Element Name	rpz
Element URI	/axapi/v3/file/rpz
Element Attributes	rpz_attributes
Schema	`rpz schema`

Operations Allowed:

Create Object

POST

/axapi/v3/file/rpz

rpz attributes

Get Object

GET

/axapi/v3/file/rpz

rpz attributes

Modify Object

POST

/axapi/v3/file/rpz

rpz attributes

Replace Object

PUT

/axapi/v3/file/rpz

rpz attributes

Delete Object

DELETE

/axapi/v3/file/rpz

rpz attributes

rpz attributes

action

Description 'import': import; 'export': export; 'check': check; 'delete': delete;

Type: string

Supported Values: import, export, check, delete

device

Description Device (Device ID)

Type: number

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description RPZ file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.36 file-inspection

Objects:

2.36.1 file-inspection

File Inspection related commands

file-inspection Specification

Type	*Intermediate Resource*
Element Name	file-inspection
Element URI	/axapi/v3/file-inspection
Element Attributes	file-inspection_attributes
Schema	`file-inspection schema`

Operations Allowed:

Get Object

GET

/axapi/v3/file-inspection

file-inspection_attributes

file-inspection attributes

data-file

Description: data-file is a **JSON Block**. Please see below for *data-file*

Type: Object

Refernce Object: */axapi/v3/file-inspection/data-file*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/file-inspection/global*

global-stat

Description: global-stat is a **JSON Block**. Please see below for *global-stat*

Type: Object

Refernce Object: */axapi/v3/file-inspection/global-stat*

service

Description: service is a **JSON Block**. Please see below for *service*

Type: Object

Refernce Object: */axapi/v3/file-inspection/service*

status

Description: status is a **JSON Block**. Please see below for *status*

Type: Object

Refernce Object: */axapi/v3/file-inspection/status*

template-list

Type: List

Refernce Object: */axapi/v3/file-inspection/template/{name}*

status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

data-file

Specification	
Type	*object*

action

Description data file action

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

file-url

Description File URL

Type: string

Format: url

name

Description data file name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

source-ip-address

Description Source IP address

Type: string

Format: ipv4-address

Mutual Exclusion: source-ip-address and use-mgmt-port are mutually exclusive

type

Description data file type

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and source-ip-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service

Specification	
Type	*object*

enable

Description Enable Internal File Inspection Service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check-disable

Description Disable internal service health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-monitor are mutually exclusive

service-down-action

Description 'reset': Reset Connection; 'allow': Allow File;

Type: string

Supported Values: reset, allow

Default: allow

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

classification

Description: classification is a **JSON Block**. Please see below for *global_classification*

Type: Object

logging

Description: logging is a **JSON Block**. Please see below for *global_logging*

Type: Object

max-buffer-size

Description Maximum size (bytes) of content that can be buffered - default 0 (disabled) (Maximum size (bytes) content that can be buffered - default 0 (disabled))

Type: number

Range: 0-268435455

Default: 0

max-concurrent-files

Description Max concurrenet inspected files per server - default 10 (Max concurrenet inspected files per server - default 10)

Type: number

Range: 1-100

Default: 10

max-concurrent-files-action

Description 'bypass': Bypass File Inspection (default);

Type: string

Supported Values: bypass

Default: bypass

max-file-size

Description Maximum file size (bytes) - default 157286400

Type: number

Range: 0-1073741824

Default: 157286400

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_logging

Specification	
Type	*object*

bypass

Description: bypass is a **JSON Block**. Please see below for *global_logging_bypass*

Type: Object

failed-transactions

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

local-logging-disable

Description Disable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global_logging_bypass

Specification	
Type	*object*

aflex-disabled-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: aflex-disabled-log and all-bypass-log are mutually exclusive

all-bypass-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: all-bypass-logno-content-disposition-log, old-http-version-log, aflex-disabled-log, service-disabled-log, service-down-log, max-concurrent-files-log, filesize-overlimit-log and internal-buffered-overlimit-log are mutually exclusive

filesize-overlimit-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: filesize-overlimit-log and all-bypass-log are mutually exclusive

internal-buffered-overlimit-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: internal-buffered-overlimit-log and all-bypass-log are mutually exclusive

max-concurrent-files-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: max-concurrent-files-log and all-bypass-log are mutually exclusive

no-content-disposition-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: no-content-disposition-log and all-bypass-log are mutually exclusive

old-http-version-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: old-http-version-log and all-bypass-log are mutually exclusive

service-disabled-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: service-disabled-log and all-bypass-log are mutually exclusive

service-down-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: service-down-log and all-bypass-log are mutually exclusive

global_classification

Specification	
Type	*object*

classification-disable

Description Disable Internal File Inspection Classification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-classification-len

Description maximum length to be taken for file classification - default 65536

Type: number

Range: 1-268435455

Default: 65536

min-classification-len

Description minimum length to be taken for file classification - default 4096

Type: number

Range: 1-268435455

Default: 4096

template-list

Specification	
Type	*list*
Block object keys	

bad-downloads-action

Description 'reset': Reset Connection; 'drop': Drop File (default); 'allow': Allow File;

Type: string

Supported Values: reset, drop, allow

Default: drop

bad-uploads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File;

Type: string

Supported Values: reset, drop, allow

downloads-bad-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

downloads-external-inspect

Description respmod template for external icap inspection

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: downloads-external-inspect and suspect-downloads-action are mutually exclusive

Refernce Object: */axapi/v3/slb/template/respmod-icap*

downloads-external-suspect-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

downloads-good-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

downloads-suspect-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

good-downloads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File (default);

Type: string

Supported Values: reset, drop, allow

Default: allow

good-uploads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File;

Type: string

Supported Values: reset, drop, allow

inspect

Description: inspect is a **JSON Block**. Please see below for *template-list_inspect*

Type: Object

name

Description file-inspection template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

suspect-downloads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File (default);

Type: string

Supported Values: reset, drop, allow

Default: allow

Mutual Exclusion: suspect-downloads-action and downloads-external-inspect are mutually exclusive

suspect-uploads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File;

Type: string

Supported Values: reset, drop, allow

Mutual Exclusion: suspect-uploads-action and uploads-external-inspect are mutually exclusive

uploads-bad-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

uploads-external-inspect

Description reqmod template for external icap inspection

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: uploads-external-inspect and suspect-uploads-action are mutually exclusive

Refernce Object: */axapi/v3/slb/template/reqmod-icap*

uploads-external-suspect-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

uploads-good-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

uploads-suspect-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_inspect

Specification	
Type	*object*

download-icap

Description respmod icap template (respmod icap Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/respmod-icap*

inspect-downloads

Description Inspect file downloads

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-stat

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-stat_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'download_bad_blocked': Download malware blocked; 'download_bad_allowed': Download malware allowed; 'download_bad_ext_inspect': Download malware extrnal inspect; 'download_suspect_blocked': Download suspect blocked; 'download_suspect_ext_inspect': Download suspect extrnal inspect; 'download_suspect_allowed': Download suspect allowed; 'download_good_blocked': Download safe blocked; 'download_good_allowed': Download safe external inspect; 'download_good_ext_inspect': Download safe allowed; 'upload_bad_blocked': Upload malware blocked; 'upload_bad_allowed': Upload malware allowed; 'upload_bad_ext_inspect': Upload malware extrnal inspect; 'upload_suspect_blocked': Upload suspect blocked; 'upload_suspect_ext_inspect': Upload suspect extrnal inspect; 'upload_suspect_allowed': Upload suspect allowed; 'upload_good_blocked': Upload safe blocked; 'upload_good_ext_inspect': Upload safe external inspect; 'upload_good_allowed': Upload safe allowed; 'icap_200': Receive icap status 200; 'icap_204': Receive icap status 204; 'icap_500': Receive icap status 500; 'icap_other_status_code': Receive icap other status code; 'icap_connect_fail': Icap connect fail; 'icap_connection_created': Icap connection created; 'icap_connection_established': Icap connection established; 'icap_connection_closed': Icap connection closed; 'icap_connection_rst': Icap connection rst; 'icap_bytes_sent': Icap bytes sent; 'icap_bytes_received': Icap bytes received; 'bypass_aflex': Bypassed by aflex; 'bypass_large_file': Bypassed - large file size; 'bypass_service_disabled': Bypassed - Internal service disabled; 'bypass_service_down': Bypassed - Internal service down; 'reset_service_down': Reset - Internal service down; 'bypass_max_concurrent_files_reached': Bypassed - max concurrent files on server reached; 'bypass_non_inspection': Bypassed non inspection data; 'non_supported_file': Non supported file type; 'transactions_alloc': Total transactions allocated; 'transactions_free': Total transactions freed; 'transactions_failure': Total transactions failure; 'transactions_aborted': Total transactions aborted; 'orig_conn_bytes_received': Original connection bytes received; 'orig_conn_bytes_sent': Original connection bytes sent; 'orig_conn_bytes_bypassed': Original connection bytes bypassed; 'bypass_buffered_overlimit': Total Bytes Buffered Overlimit; 'total_bandwidth': Total File Bytes; 'total_suspect_bandwidth': Total Suspected Files Bytes; 'total_bad_bandwidth': Total Bad Files Bytes; 'total_good_bandwidth': Total Good Files Bytes; 'total_file_size_less_1m': Total Files Less than 1Mb; 'total_file_size_1_5m': Total Files Between 1-5Mb; 'total_file_size_5_8m': Total Files Between 5-8Mb; 'total_file_size_8_32m': Total Files Between 8-32Mb; 'total_file_size_over_32m': Total Files over 32Mb; 'suspect_file_size_less_1m': Suspect Files Less than 1Mb; 'suspect_file_size_1_5m': Suspect Files Between 1-5Mb; 'suspect_file_size_5_8m': Suspect Files Between 5-8Mb; 'suspect_file_size_8_32m': Suspect Files Between 8-32Mb; 'suspect_file_size_over_32m': Suspect Files over 32Mb; 'good_file_size_less_1m': Good Files Less than 1Mb; 'good_file_size_1_5m': Good Files Between 1-5Mb; 'good_file_size_5_8m':

Good Files Between 5-8Mb; 'good_file_size_8_32m': Good Files Between 8-32Mb; 'good_file_size_over_32m': Good Files over 32Mb; 'bad_file_size_less_1m': Bad Files Less than 1Mb; 'bad_file_size_1_5m': Bad Files Between 1-5Mb; 'bad_file_size_5_8m': Bad Files Between 5-8Mb; 'bad_file_size_8_32m': Bad Files Between 8-32Mb; 'bad_file_size_over_32m': Bad Files over 32Mb;

Type: string

Supported Values: all, download_bad_blocked, download_bad_allowed, download_bad_ext_inspect, download_suspect_blocked, download_suspect_ext_inspect, download_suspect_allowed, download_good_blocked, download_good_allowed, download_good_ext_inspect, upload_bad_blocked, upload_bad_allowed, upload_bad_ext_inspect, upload_suspect_blocked, upload_suspect_ext_inspect, upload_suspect_allowed, upload_good_blocked, upload_good_ext_inspect, upload_good_allowed, icap_200, icap_204, icap_500, icap_other_status_code, icap_connect_fail, icap_connection_created, icap_connection_established, icap_connection_closed, icap_connection_rst, icap_bytes_sent, icap_bytes_received, bypass_aflex, bypass_large_file, bypass_service_disabled, bypass_service_down, reset_service_down, bypass_max_concurrent_files_reached, bypass_non_inspection, non_supported_file, transactions_alloc, transactions_free, transactions_failure, transactions_aborted, orig_conn_bytes_received, orig_conn_bytes_sent, orig_conn_bytes_bypassed, bypass_buffered_overlimit, total_bandwidth, total_suspect_bandwidth, total_bad_bandwidth, total_good_bandwidth, total_file_size_less_1m, total_file_size_1_5m, total_file_size_5_8m, total_file_size_8_32m, total_file_size_over_32m, suspect_file_size_less_1m, suspect_file_size_1_5m, suspect_file_size_5_8m, suspect_file_size_8_32m, suspect_file_size_over_32m, good_file_size_less_1m, good_file_size_1_5m, good_file_size_5_8m, good_file_size_8_32m, good_file_size_over_32m, bad_file_size_less_1m, bad_file_size_1_5m, bad_file_size_5_8m, bad_file_size_8_32m, bad_file_size_over_32m

2.36.2 file-inspection global

File Inspection global commands

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/file-inspection/global
Element Attributes	global_attributes
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/file-inspection/global

global attributes

Get Object

GET

/axapi/v3/file-inspection/global

global attributes

Modify Object

POST

/axapi/v3/file-inspection/global

global attributes

Replace Object

PUT

/axapi/v3/file-inspection/global

global attributes

Delete Object

DELETE

/axapi/v3/file-inspection/global

global attributes

global attributes

classification

Description: classification is a **JSON Block**. Please see below for *classification*

Type: Object

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

max-buffer-size

Description Maximum size (bytes) of content that can be buffered - default 0 (disabled) (Maximum size (bytes) content that can be buffered - default 0 (disabled))

Type: number

Range: 0-268435455

Default: 0

max-concurrent-files

Description Max concurrenet inspected files per server - default 10 (Max concurrenet inspected files per server - default 10)

Type: number

Range: 1-100

Default: 10

max-concurrent-files-action

Description 'bypass': Bypass File Inspection (default);

Type: string

Supported Values: bypass

Default: bypass

max-file-size

Description Maximum file size (bytes) - default 157286400

Type: number

Range: 0-1073741824

Default: 157286400

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging

Specification	
Type	*object*

bypass

Description: bypass is a **JSON Block**. Please see below for *logging_bypass*

Type: Object

failed-transactions

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

local-logging-disable

Description Disable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging_bypass

Specification	
Type	*object*

aflex-disabled-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: aflex-disabled-log and all-bypass-log are mutually exclusive

all-bypass-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: all-bypass-logno-content-disposition-log, old-http-version-log, aflex-disabled-log, service-disabled-log, service-down-log, max-concurrent-files-log, filesize-overlimit-log and internal-buffered-overlimit-log are mutually exclusive

filesize-overlimit-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: filesize-overlimit-log and all-bypass-log are mutually exclusive

internal-buffered-overlimit-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: internal-buffered-overlimit-log and all-bypass-log are mutually exclusive

max-concurrent-files-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: max-concurrent-files-log and all-bypass-log are mutually exclusive

no-content-disposition-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: no-content-disposition-log and all-bypass-log are mutually exclusive

old-http-version-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: old-http-version-log and all-bypass-log are mutually exclusive

service-disabled-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: service-disabled-log and all-bypass-log are mutually exclusive

service-down-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: no-log

Mutual Exclusion: service-down-log and all-bypass-log are mutually exclusive

classification

Specification	
Type	*object*

classification-disable

Description Disable Internal File Inspection Classification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-classification-len

Description maximum length to be taken for file classification - default 65536

Type: number

Range: 1-268435455

Default: 65536

min-classification-len

Description minimum length to be taken for file classification - default 4096

Type: number

Range: 1-268435455

Default: 4096

2.36.3 file-inspection global-stat

global stats

global-stat Specification

Type	*Configuration Resource*
Element Name	global-stat
Element URI	/axapi/v3/file-inspection/global-stat
Element Attributes	global-stat_attributes
Statistics Data URI	/axapi/v3/file-inspection/global-stat/stats
Schema	`global-stat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/file-inspection/global-stat

global-stat attributes

Get Object

GET

/axapi/v3/file-inspection/global-stat

global-stat attributes

Modify Object

POST

/axapi/v3/file-inspection/global-stat

global-stat attributes

Replace Object

PUT

/axapi/v3/file-inspection/global-stat

global-stat attributes

Delete Object

DELETE

/axapi/v3/file-inspection/global-stat

global-stat attributes

global-stat attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'download_bad_blocked': Download malware blocked; 'download_bad_allowed': Download malware allowed; 'download_bad_ext_inspect': Download malware extrnal inspect; 'download_suspect_blocked': Download suspect blocked; 'download_suspect_ext_inspect': Download suspect extrnal inspect; 'download_suspect_allowed': Download suspect allowed; 'download_good_blocked': Download safe blocked; 'download_good_allowed': Download safe external inspect; 'download_good_ext_inspect': Download safe allowed; 'upload_bad_blocked': Upload malware blocked; 'upload_bad_allowed': Upload malware allowed; 'upload_bad_ext_inspect': Upload malware extrnal inspect; 'upload_suspect_blocked': Upload suspect blocked; 'upload_suspect_ext_inspect': Upload suspect extrnal inspect; 'upload_suspect_allowed': Upload suspect allowed; 'upload_good_blocked': Upload safe blocked; 'upload_good_ext_inspect': Upload safe external inspect; 'upload_good_allowed': Upload safe allowed; 'icap_200': Receive icap status 200; 'icap_204': Receive icap status 204; 'icap_500': Receive icap status 500; 'icap_other_status_code': Receive icap other status code; 'icap_connect_fail': Icap connect fail; 'icap_connection_created': Icap connection created; 'icap_connection_established': Icap connection established; 'icap_connection_closed': Icap connection closed; 'icap_connection_rst': Icap connection rst; 'icap_bytes_sent': Icap bytes sent; 'icap_bytes_received': Icap bytes received; 'bypass_aflex': Bypassed by aflex; 'bypass_large_file': Bypassed - large file size; 'bypass_service_disabled': Bypassed - Internal service disabled; 'bypass_service_down': Bypassed - Internal service down; 'reset_service_down': Reset - Internal service down; 'bypass_max_concurrent_files_reached':

Bypassed - max concurrent files on server reached; 'bypass_non_inspection': Bypassed non inspection data; 'non_supported_file': Non supported file type; 'transactions_alloc': Total transactions allocated; 'transactions_free': Total transactions freed; 'transactions_failure': Total transactions failure; 'transactions_aborted': Total transactions aborted; 'orig_conn_bytes_received': Original connection bytes received; 'orig_conn_bytes_sent': Original connection bytes sent; 'orig_conn_bytes_bypassed': Original connection bytes bypassed; 'bypass_buffered_overlimit': Total Bytes Buffered Overlimit; 'total_bandwidth': Total File Bytes; 'total_suspect_bandwidth': Total Suspected Files Bytes; 'total_bad_bandwidth': Total Bad Files Bytes; 'total_good_bandwidth': Total Good Files Bytes; 'total_file_size_less_1m': Total Files Less than 1Mb; 'total_file_size_1_5m': Total Files Between 1-5Mb; 'total_file_size_5_8m': Total Files Between 5-8Mb; 'total_file_size_8_32m': Total Files Between 8-32Mb; 'total_file_size_over_32m': Total Files over 32Mb; 'suspect_file_size_less_1m': Suspect Files Less than 1Mb; 'suspect_file_size_1_5m': Suspect Files Between 1-5Mb; 'suspect_file_size_5_8m': Suspect Files Between 5-8Mb; 'suspect_file_size_8_32m': Suspect Files Between 8-32Mb; 'suspect_file_size_over_32m': Suspect Files over 32Mb; 'good_file_size_less_1m': Good Files Less than 1Mb; 'good_file_size_1_5m': Good Files Between 1-5Mb; 'good_file_size_5_8m': Good Files Between 5-8Mb; 'good_file_size_8_32m': Good Files Between 8-32Mb; 'good_file_size_over_32m': Good Files over 32Mb; 'bad_file_size_less_1m': Bad Files Less than 1Mb; 'bad_file_size_1_5m': Bad Files Between 1-5Mb; 'bad_file_size_5_8m': Bad Files Between 5-8Mb; 'bad_file_size_8_32m': Bad Files Between 8-32Mb; 'bad_file_size_over_32m': Bad Files over 32Mb;

Type: string

Supported Values: all, download_bad_blocked, download_bad_allowed, download_bad_ext_inspect, download_suspect_blocked, download_suspect_ext_inspect, download_suspect_allowed, download_good_blocked, download_good_allowed, download_good_ext_inspect, upload_bad_blocked, upload_bad_allowed, upload_bad_ext_inspect, upload_suspect_blocked, upload_suspect_ext_inspect, upload_suspect_allowed, upload_good_blocked, upload_good_ext_inspect, upload_good_allowed, icap_200, icap_204, icap_500, icap_other_status_code, icap_connect_fail, icap_connection_created, icap_connection_established, icap_connection_closed, icap_connection_rst, icap_bytes_sent, icap_bytes_received, bypass_aflex, bypass_large_file, bypass_service_disabled, bypass_service_down, reset_service_down, bypass_max_concurrent_files_reached, bypass_non_inspection, non_supported_file, transactions_alloc, transactions_free, transactions_failure, transactions_aborted, orig_conn_bytes_received, orig_conn_bytes_sent, orig_conn_bytes_bypassed, bypass_buffered_overlimit, total_bandwidth, total_suspect_bandwidth, total_bad_bandwidth, total_good_bandwidth, total_file_size_less_1m, total_file_size_1_5m, total_file_size_5_8m, total_file_size_8_32m, total_file_size_over_32m, suspect_file_size_less_1m, suspect_file_size_1_5m, suspect_file_size_5_8m, suspect_file_size_8_32m, suspect_file_size_over_32m, good_file_size_less_1m, good_file_size_1_5m, good_file_size_5_8m, good_file_size_8_32m, good_file_size_over_32m, bad_file_size_less_1m, bad_file_size_1_5m, bad_file_size_5_8m, bad_file_size_8_32m, bad_file_size_over_32m

stats data

	Counter	Size	Description
	icap_200	8	Receive icap status 200
	download_suspect_ext_inspect	8	Download suspect extrnal inspect
	upload_bad_blocked	8	Upload malware blocked
	bad_file_size_less_1m	8	Bad Files Less than 1Mb
	suspect_file_size_1_5m	8	Suspect Files Between 1-5Mb
	orig_conn_bytes_bypassed	8	Original connection bytes bypassed
	upload_suspect_allowed	8	Upload suspect allowed
	download_good_blocked	8	Download safe blocked
	bad_file_size_8_32m	8	Bad Files Between 8-32Mb
	total_file_size_less_1m	8	Total Files Less than 1Mb
	upload_bad_ext_inspect	8	Upload malware extrnal inspect
	non_supported_file	8	Non supported file type
	orig_conn_bytes_sent	8	Original connection bytes sent
	total_file_size_1_5m	8	Total Files Between 1-5Mb
	download_suspect_allowed	8	Download suspect allowed
	icap_204	8	Receive icap status 204
	suspect_file_size_5_8m	8	Suspect Files Between 5-8Mb
	suspect_file_size_8_32m	8	Suspect Files Between 8-32Mb
	total_file_size_5_8m	8	Total Files Between 5-8Mb
	icap_connect_fail	8	Icap connect fail
	upload_good_blocked	8	Upload safe blocked
	icap_other_status_code	8	Receive icap other status code
	total_bandwidth	8	Total File Bytes
	total_file_size_over_32m	8	Total Files over 32Mb
	bypass_aflex	8	Bypassed by aflex
	good_file_size_over_32m	8	Good Files over 32Mb
	total_suspect_bandwidth	8	Total Suspected Files Bytes
	orig_conn_bytes_received	8	Original connection bytes received
	upload_good_ext_inspect	8	Upload safe external inspect
	good_file_size_8_32m	8	Good Files Between 8-32Mb

continues on next page

Table 2.11 – continued from previous page

	Counter	Size	Description
	bad_file_size_5_8m	8	Bad Files Between 5-8Mb
	icap_500	8	Receive icap status 500
	icap_bytes_sent	8	Icap bytes sent
	reset_service_down	8	Reset - Internal service down
	total_good_bandwidth	8	Total Good Files Bytes
	good_file_size_1_5m	8	Good Files Between 1-5Mb
	icap_connection_closed	8	Icap connection closed
	download_good_allowed	8	Download safe external inspect
	download_bad_blocked	8	Download malware blocked
	bad_file_size_over_32m	8	Bad Files over 32Mb
	download_bad_ext_inspect	8	Download malware extrnal inspect
	transactions_aborted	8	Total transactions aborted
	bypass_service_disabled	8	Bypassed - Internal service disabled
	bypass_non_inspection	8	Bypassed non inspection data
	suspect_file_size_less_1m	8	Suspect Files Less than 1Mb
	transactions_alloc	8	Total transactions allocated
	download_bad_allowed	8	Download malware allowed
	bypass_buffered_overlimit	8	Total Bytes Buffered Overlimit
	download_good_ext_inspect	8	Download safe allowed
	upload_suspect_blocked	8	Upload suspect blocked
	bypass_max_concurrent_files_reached	8	Bypassed - max concurrent files on server reached
	icap_connection_rst	8	Icap connection rst
	total_file_size_8_32m	8	Total Files Between 8-32Mb
	total_bad_bandwidth	8	Total Bad Files Bytes
	upload_suspect_ext_inspect	8	Upload suspect extrnal inspect
	bypass_service_down	8	Bypassed - Internal service down
	icap_bytes_received	8	Icap bytes received
	icap_connection_established	8	Icap connection established
	good_file_size_less_1m	8	Good Files Less than 1Mb
	good_file_size_5_8m	8	Good Files Between 5-8Mb

continues on next page

Table 2.11 – continued from previous page

	Counter	Size	Description
	transac-tions_failure	8	Total transactions failure
	down-load_suspect_blocked	8	Download suspect blocked
	icap_connection_created	8	Icap connection created
	transac-tions_free	8	Total transactions freed
	by-pass_large_file	8	Bypassed - large file size
	up-load_good_allowed	8	Upload safe allowed
	up-load_bad_allowed	8	Upload malware allowed
	sus-pect_file_size_over_32m	8	Suspect Files over 32Mb
	bad_file_size_1_5m	8	Bad Files Between 1-5Mb

2.36.4 file-inspection service

File Inspection Service related commands

service Specification

Type	*Configuration Resource*
Element Name	service
Element URI	/axapi/v3/file-inspection/service
Element Attributes	service_attributes
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/file-inspection/service

service attributes

Get Object

GET

/axapi/v3/file-inspection/service

service attributes

Modify Object

POST

/axapi/v3/file-inspection/service

service attributes

Replace Object

PUT

/axapi/v3/file-inspection/service

service attributes

Delete Object

DELETE

/axapi/v3/file-inspection/service

service attributes

service attributes

enable

Description Enable Internal File Inspection Service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check-disable

Description Disable internal service health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-monitor are mutually exclusive

service-down-action

Description 'reset': Reset Connection; 'allow': Allow File;

Type: string

Supported Values: reset, allow

Default: allow

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.36.5 file-inspection template

Manage File Inspection template configuration

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/file-inspection/template
Element Name	template
Element URI	/axapi/v3/file-inspection/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/file-inspection/template

template attributes

Create List

POST

/axapi/v3/file-inspection/template

template attributes

Get Object

GET

/axapi/v3/file-inspection/template/{name}

template attributes

Get List

GET

/axapi/v3/file-inspection/template

template-list

Modify Object

POST

/axapi/v3/file-inspection/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/file-inspection/template/{name}

template attributes

Replace List

PUT

/axapi/v3/file-inspection/template

template-list

Delete Object

DELETE

/axapi/v3/file-inspection/template/{name}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

bad-downloads-action

Description 'reset': Reset Connection; 'drop': Drop File (default); 'allow': Allow File;

Type: string

Supported Values: reset, drop, allow

Default: drop

bad-uploads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File;

Type: string

Supported Values: reset, drop, allow

downloads-bad-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

downloads-external-inspect

Description respmod template for external icap inspection

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: downloads-external-inspect and suspect-downloads-action are mutually exclusive

Refernce Object: */axapi/v3/slb/template/respmod-icap*

downloads-external-suspect-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

downloads-good-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

downloads-suspect-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

good-downloads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File (default);

Type: string

Supported Values: reset, drop, allow

Default: allow

good-uploads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File;

Type: string

Supported Values: reset, drop, allow

inspect

Description: inspect is a **JSON Block**. Please see below for *inspect*

Type: Object

name

Description file-inspection template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

suspect-downloads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File (default);

Type: string

Supported Values: reset, drop, allow

Default: allow

Mutual Exclusion: suspect-downloads-action and downloads-external-inspect are mutually exclusive

suspect-uploads-action

Description 'reset': Reset Connection; 'drop': Drop File; 'allow': Allow File;

Type: string

Supported Values: reset, drop, allow

Mutual Exclusion: suspect-uploads-action and uploads-external-inspect are mutually exclusive

uploads-bad-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

uploads-external-inspect

Description reqmod template for external icap inspection

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: uploads-external-inspect and suspect-uploads-action are mutually exclusive

Refernce Object: */axapi/v3/slb/template/reqmod-icap*

uploads-external-suspect-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

uploads-good-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

uploads-suspect-log

Description 'log': Log event (default); 'no-log': Do not Log event;

Type: string

Supported Values: log, no-log

Default: log

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inspect

Specification	
Type	*object*

download-icap

Description respmod icap template (respmod icap Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/respmod-icap*

inspect-downloads

Description Inspect file downloads

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.37 fw

Objects:

2.37.1 fw

Firewall

fw Specification

Type	*Intermediate Resource*
Element Name	fw
Element URI	/axapi/v3/fw
Element Attributes	fw_attributes
Schema	`fw schema`

Operations Allowed:

Get Object

GET

/axapi/v3/fw

fw_attributes

fw attributes

active-rule-set

Description: active-rule-set is a **JSON Block**. Please see below for *active-rule-set*

Type: Object

Refernce Object: */axapi/v3/fw/active-rule-set*

alg

Description: alg is a **JSON Block**. Please see below for *alg*

Type: Object

Refernce Object: */axapi/v3/fw/alg*

app

Description: app is a **JSON Block**. Please see below for *app*

Type: Object

Refernce Object: */axapi/v3/fw/app*

apply-changes

Description: apply-changes is a **JSON Block**. Please see below for *apply-changes*

Type: Object

Refernce Object: */axapi/v3/fw/apply-changes*

clear-session-filter

Description: clear-session-filter is a **JSON Block**. Please see below for *clear-session-filter*

Type: Object

Refernce Object: */axapi/v3/fw/clear-session-filter*

ddos-protection

Description: ddos-protection is a **JSON Block**. Please see below for *ddos-protection*

Type: Object

Refernce Object: */axapi/v3/fw/ddos-protection*

full-cone-session

Description: full-cone-session is a **JSON Block**. Please see below for *full-cone-session*

Type: Object

Refernce Object: */axapi/v3/fw/full-cone-session*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/fw/global*

gtp

Description: gtp is a **JSON Block**. Please see below for *gtp*

Type: Object

Refernce Object: */axapi/v3/fw/gtp*

helper-sessions

Description: helper-sessions is a **JSON Block**. Please see below for *helper-sessions*

Type: Object

Refernce Object: */axapi/v3/fw/helper-sessions*

limit-entry

Description: limit-entry is a **JSON Block**. Please see below for *limit-entry*

Type: Object

Refernce Object: */axapi/v3/fw/limit-entry*

local-log

Description: local-log is a **JSON Block**. Please see below for *local-log*

Type: Object

Refernce Object: */axapi/v3/fw/local-log*

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

Refernce Object: */axapi/v3/fw/logging*

per-instance

Description: per-instance is a **JSON Block**. Please see below for *per-instance*

Type: Object

Refernce Object: */axapi/v3/fw/per-instance*

radius

Description: radius is a **JSON Block**. Please see below for *radius*

Type: Object

Refernce Object: */axapi/v3/fw/radius*

rate-limit

Description: rate-limit is a **JSON Block**. Please see below for *rate-limit*

Type: Object

Refernce Object: */axapi/v3/fw/rate-limit*

resource-usage

Description: resource-usage is a **JSON Block**. Please see below for *resource-usage*

Type: Object

Refernce Object: */axapi/v3/fw/resource-usage*

server-list

Type: List

Refernce Object: */axapi/v3/fw/server/{name}*

service-group-list

Type: List

Refernce Object: */axapi/v3/fw/service-group/{name}*

session-aging-list

Type: List

Refernce Object: */axapi/v3/fw/session-aging/{name}*

status

Description: status is a **JSON Block**. Please see below for *status*

Type: Object

Refernce Object: */axapi/v3/fw/status*

system-status

Description: system-status is a **JSON Block**. Please see below for *system-status*

Type: Object

Refernce Object: */axapi/v3/fw/system-status*

tap-monitor

Description: tap-monitor is a **JSON Block**. Please see below for *tap-monitor*

Type: Object

Refernce Object: */axapi/v3/fw/tap-monitor*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/fw/tcp*

tcp-rst-close-immediate

Description: tcp-rst-close-immediate is a **JSON Block**. Please see below for *tcp-rst-close-immediate*

Type: Object

Refernce Object: */axapi/v3/fw/tcp-rst-close-immediate*

tcp-window-check

Description: tcp-window-check is a **JSON Block**. Please see below for *tcp-window-check*

Type: Object

Refernce Object: */axapi/v3/fw/tcp-window-check*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/fw/template*

top-k-rules

Description: top-k-rules is a **JSON Block**. Please see below for *top-k-rules*

Type: Object

Refernce Object: */axapi/v3/fw/top-k-rules*

urpf

Description: urpf is a **JSON Block**. Please see below for *urpf*

Type: Object

Refernce Object: */axapi/v3/fw/urpf*

vrid

Description: vrid is a **JSON Block**. Please see below for *vrid*

Type: Object

Refernce Object: */axapi/v3/fw/vrid*

apply-changes

Specification	
Type	*object*

forced

Description Force recompile rule-set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alg

Specification	
Type	*object*

dns

Description: dns is a **JSON Block**. Please see below for *alg_dns*

Type: Object

Refernce Object: */axapi/v3/fw/alg/dns*

esp

Description: esp is a **JSON Block**. Please see below for *alg_esp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *alg_ftp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/ftp*

icmp

Description: icmp is a **JSON Block**. Please see below for *alg_icmp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/icmp*

pptp

Description: pptp is a **JSON Block**. Please see below for *alg_pptp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *alg_rtsp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *alg_sip*

Type: Object

Refernce Object: */axapi/v3/fw/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *alg_tftp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/tftp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_ftp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable FTP ALG default port 21;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client-port-request': PORT Requests From Client; 'client-eprt-request': EPRT Requests From Client; 'server-pasv-reply': PASV Replies From Server; 'server-epsv-reply': EPSV Replies From Server; 'port-retransmits': PORT Retransmits; 'pasv-retransmits': PASV Retransmits; 'smp-app-type-mismatch': SMP App Type Mismatch; 'retransmit-sanity-check-failure': Retransmit Sanity Check Failure; 'smp-conn-alloc-failure': SMP Helper Conn Alloc Failure; 'port-helper-created': PORT Helper Created; 'pasv-helper-created': PASV Helper Created; 'port-helper-acquire-in-del-q': PORT Helper Acquire In Del Queue; 'port-helper-acquire-already-used': PORT Helper Acquire Already Used; 'pasv-helper-acquire-in-del-q': PASV Helper Acquire In Del Queue; 'pasv-helper-acquire-already-used': PASV Helper Acquire Already Used; 'port-helper-freed-used': PORT Helper Freed Used; 'port-helper-freed-unused': PORT Helper Freed Unused; 'pasv-helper-freed-used': PASV Helper Freed Used; 'pasv-helper-freed-unused': PASV Helper Freed Unused;

Type: string

Supported Values: all, client-port-request, client-eprt-request, server-pasv-reply, server-epsv-reply, port-retransmits, pasv-retransmits, smp-app-type-mismatch, retransmit-sanity-check-failure, smp-conn-alloc-failure, port-helper-created, pasv-helper-created, port-helper-acquire-in-del-q, port-helper-acquire-already-used, pasv-helper-acquire-in-del-q, pasv-helper-acquire-already-used, port-helper-freed-used, port-helper-freed-unused, pasv-helper-freed-used, pasv-helper-freed-unused

alg_sip

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable SIP ALG default port 5060;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stat-request': Request Received; 'stat-response': Response Received; 'method-register': Method REGISTER; 'method-invite': Method INVITE; 'method-ack': Method ACK; 'method-cancel': Method CANCEL; 'method-bye': Method BYE; 'method-options': Method OPTIONS; 'method-prack': Method PRACK; 'method-subscribe': Method SUBSCRIBE; 'method-notify': Method NOTIFY; 'method-publish': Method PUBLISH; 'method-info': Method INFO; 'method-refer': Method REFER; 'method-message': Method MESSAGE; 'method-update': Method UPDATE; 'method-unknown': Method Unknown; 'parse-error': Message Parse Error; 'keep-alive': Keep Alive; 'contact-error': Contact Process Error; 'sdp-error': SDP Process Error; 'rtp-port-no-op': RTP Port No Op; 'rtp-rtcp-port-success': RTP RTCP Port Success; 'rtp-port-failure': RTP Port Failure; 'rtcp-port-failure': RTCP Port Failure; 'contact-port-no-op': Contact Port No Op; 'contact-port-success': Contact Port Success; 'contact-port-failure': Contact Port Failure; 'contact-new': Contact Alloc; 'contact-alloc-failure': Contact Alloc Failure; 'contact-eim': Contact EIM; 'contact-eim-set': Contact EIM Set; 'rtp-new': RTP Alloc; 'rtp-alloc-failure': RTP Alloc Failure; 'rtp-eim': RTP EIM; 'helper-found': SMP Helper Conn Found; 'helper-created': SMP Helper Conn Created; 'helper-deleted': SMP Helper Conn Already Deleted; 'helper-freed': SMP Helper Conn Freed; 'helper-failure': SMP Helper Failure;

Type: string

Supported Values: all, stat-request, stat-response, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, keep-alive, contact-error, sdp-error, rtp-port-no-op, rtp-rtcp-port-success, rtp-port-failure, rtcp-port-failure, contact-port-no-op, contact-port-success, contact-port-failure, contact-new, contact-alloc-failure, contact-eim, contact-eim-set, rtp-new, rtp-alloc-failure, rtp-eim, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

alg_esp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable ESP ALG default port 500;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'helper-created': ESP Helper Sessions Created; 'helper-freed': ESP Helper Sessions Freed; 'helper-freed-used': ESP Helper Sessions freed used; 'helper-freed-unused': ESP Helper Sessions freed unused; 'helper-already-used': ESP Helper Session already used; 'helper-in-rml': ESP Helper Session in Remove List;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

alg_pptp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable PPTP ALG default port 1723;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'call-req-pns-call-id-mismatch': Call ID Mismatch on Call Request; 'call-reply-pns-call-id-mismatch': Call ID Mismatch on Call Reply; 'gre-session-created': GRE Session Created; 'gre-session-freed': GRE Session Freed; 'call-req-retransmit': Call Request Retransmit; 'call-req-new': Call Request New; 'call-req-ext-alloc-failure': Call Request Ext Alloc Failure; 'call-reply-call-id-unknown': Call Reply Unknown Client Call ID; 'call-reply-retransmit': Call Reply Retransmit; 'call-reply-ext-ext-alloc-failure': Call Request Ext Alloc Failure; 'smp-app-type-mismatch': SMP App Type Mismatch; 'smp-client-call-id-mismatch': SMP Client Call ID Mismatch; 'smp-sessions-created': SMP Session Created; 'smp-sessions-freed': SMP Session Freed; 'smp-alloc-failure': SMP Session Alloc Failure; 'gre-conn-creation-failure': GRE Conn Alloc Failure; 'gre-conn-ext-creation-failure': GRE Conn Ext Alloc Failure; 'gre-no-fwd-route': GRE No Fwd Route; 'gre-no-rev-route': GRE No Rev Route; 'gre-no-control-conn': GRE No Control Conn; 'gre-conn-already-exists': GRE Conn Already Exists; 'gre-free-no-ext': GRE Free No Ext; 'gre-free-no-smp': GRE Free No SMP; 'gre-free-smp-app-type-mismatch': GRE Free SMP App Type Mismatch; 'control-freed': Control Session Freed; 'control-free-no-ext': Control Free No Ext; 'control-free-no-smp': Control Free No SMP; 'control-free-smp-app-type-mismatch': Control Free SMP App Type Mismatch;

Type: string

Supported Values: all, calls-established, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, gre-session-created, gre-session-freed, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-ext-ext-alloc-failure, smp-app-type-mismatch, smp-client-call-id-mismatch, smp-sessions-created, smp-sessions-freed, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

alg_rtsp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable RTSP ALG default port 554;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'transport-inserted': Transport Created; 'transport-freed': Transport Freed; 'transport-alloc-failure': Transport Alloc Failure; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'ext-creation-failure': Extension Creation Failure; 'transport-add-to-ext': Transport Added to Extension; 'transport-removed-from-ext': Transport Removed from Extension; 'transport-too-many': Too Many Transports for Control Conn; 'transport-already-in-ext': Transport Already in Extension; 'transport-exists': Transport Already Exists; 'transport-link-ext-failure-control': Transport Link to Extension Failure Control; 'transport-link-ext-data': Transport Link to Extension Data; 'transport-link-ext-failure-data': Transport Link to Extension Failure Data; 'transport-inserted-shadow': Transport Inserted Shadow; 'transport-creation-race': Transport Create Race; 'transport-alloc-failure-shadow': Transport Alloc Failure Shadow; 'transport-put-in-del-q': Transport Put in Delete Queue; 'transport-freed-shadow': Transport Freed Shadow; 'transport-acquired-from-control': Transport Acquired Control; 'transport-found-from-prev-control': Transport Found From Prev Control; 'transport-acquire-failure-from-control': Transport Acquire Failure Control; 'transport-released-from-control': Transport Released Control; 'transport-double-release-from-control': Transport Double Release Control; 'transport-acquired-from-data': Transport Acquired Data; 'transport-acquire-failure-from-data': Transport Acquire Failure Data; 'transport-released-from-data': Transport Released Data; 'transport-double-release-from-data': Transport Double Release Data; 'transport-retry-lookup-on-data-free': Transport Retry Lookup Data; 'transport-not-found-on-data-free': Transport Not Found Data; 'data-session-created-shadow': Data Session Created Shadow; 'data-session-freed-shadow': Data Session Freed Shadow; 'ha-control-ext-creation-failure': HA Control Extension Creation Failure; 'ha-control-session-created': HA Control Session Created; 'ha-data-session-created': HA Data Session Created;

Type: string

Supported Values: all, transport-inserted, transport-freed, transport-alloc-failure, data-session-created, data-session-freed, ext-creation-failure, transport-add-to-ext, transport-removed-from-ext, transport-too-many, transport-already-in-ext, transport-exists, transport-link-ext-failure-control, transport-link-ext-data, transport-link-ext-failure-data, transport-inserted-shadow, transport-creation-race, transport-alloc-failure-shadow, transport-put-in-del-q, transport-freed-shadow, transport-acquired-from-control, transport-found-from-prev-control, transport-acquire-failure-from-control, transport-released-from-control, transport-double-release-from-control, transport-acquired-from-data, transport-acquire-failure-from-data, transport-released-from-data, transport-double-release-from-data, transport-retry-lookup-on-data-free, transport-not-found-on-data-free, data-session-created-shadow, data-session-freed-shadow, ha-control-ext-creation-failure, ha-control-session-created, ha-data-session-created

alg_dns

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable DNS ALG default port 53;

Type: string

Supported Values: default-port-disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable TFTP ALG default port 69;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'helper-created': TFTP Helper Sessions created; 'helper-freed': TFTP Helper Sessions freed; 'helper-freed-used': TFTP Helper Sessions freed used; 'helper-freed-unused': TFTP Helper Sessions freed unused; 'helper-already-used': TFTP Helper Session already used; 'helper-in-rml': TFTP Helper Session in Remove List;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

alg_icmp

Specification	
Type	*object*

disable

Description 'disable': Disable ICMP ALG which allows ICMP errors to pass the firewall;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dummy': Entry for a10countergen;

Type: string

Supported Values: all, dummy

global

Specification	
Type	*object*

alg-processing

Description 'honor-rule-set': Honors firewall rule-sets; 'override-rule-set': Override firewall rule-sets;

Type: string

Supported Values: honor-rule-set, override-rule-set

Default: honor-rule-set

disable-app-list

Type: List

disable-application-metrics

Description Disable exporting application protocol/category statistics to Harmony Controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-ip-fw-sessions

Description disable create sessions for non TCP/UDP/ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended-matching

Description 'disable': Disable extended matching;

Type: string

Supported Values: disable

listen-on-port-timeout

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

natip-ddos-protection

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

permit-default-action

Description 'forward': Forward; 'next-service-mode': Service to be applied chosen based on configuration;

Type: string

Supported Values: forward, next-service-mode

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp_fullcone_created': TCP Full-cone Created; 'tcp_fullcone_freed': TCP Full-cone Freed; 'udp_fullcone_created': UDP Full-cone Created; 'udp_fullcone_freed': UDP Full-cone Freed; 'fullcone_creation_failure': Full-Cone Creation Failure; 'data_session_created': Data Session Created; 'data_session_created_local': Data Session Created Local; 'data_session_freed': Data Session Freed; 'data_session_freed_local': Data Session Freed Local; 'fullcone_in_del_q': Full-cone session found in delete queue; 'fullcone_retry_lookup': Full-cone session retry look-up; 'fullcone_not_found': Full-cone session not found; 'fullcone_overflow_eim': Full-cone Session EIM Overflow; 'fullcone_overflow_eif': Full-cone Session EIF Overflow; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'fullcone_ext_too_many': Fullcone Extension Too Many; 'fullcone_ext_mem_allocated': Fullcone Extension Memory Allocated; 'fullcone_ext_mem_alloc_failure': Full-cone Extension Memory Allocate Failure; 'fullcone_ext_mem_alloc_init_faulure': Fullcone Extension Initialization Failure; 'fullcone_ext_mem_freed': Fullcone Extension Memory Freed; 'fullcone_ext_added': Fullcone Extension Added; 'ha_fullcone_failure': HA Full-cone Session Failure; 'data_session_created_shadow': Shadow Data Sessions Created; 'data_session_created_shadow_local': Shadow Data Sessions Created Local; 'data_session_freed_shadow': Shadow Data Sessions Freed; 'data_session_freed_shadow_local': Shadow Data Sessions Freed Local; 'active_fullcone_session': Total Active Full-cone sessions; 'limit-entry-failure': Limit Entry Creation Failure; 'limit-entry-allocated': Limit Entry Allocated; 'limit-entry-mem-freed': Limit Entry Freed; 'limit-entry-created': Limit Entry Created; 'limit-entry-found': Limit Entry Found; 'limit-entry-not-in-bucket': Limit Entry Not in Bucket; 'limit-entry-marked-deleted': Limit Entry Marked Deleted; 'invalid-lid-drop': Invalid Lid Drop; 'src-session-limit-exceeded': Concurrent Session Limit Exceeded; 'uplink-pps-limit-exceeded': Uplink PPS Limit Exceeded; 'downlink-pps-limit-exceeded': Downlink PPS Limit Exceeded; 'total-pps-limit-exceeded': Total PPS Limit Exceeded; 'uplink-throughput-limit-exceeded': Uplink Throughput Limit Exceeded; 'downlink-throughput-limit-exceeded': Downlink Throughput Limit Exceeded; 'total-throughput-limit-exceeded': Total Throughput Limit Exceeded; 'cps-limit-exceeded': Connections Per Second Limit Exceeded; 'limit-exceeded': Per Second Limit Exceeded (Deprecated); 'limit-entry-per-cpu-mem-allocated': Limit Entry Memory Allocated (Deprecated); 'limit-entry-per-cpu-mem-allocation-failed': Limit Entry Memory Allocation Failed (Deprecated); 'limit-entry-per-cpu-mem-freed': Limit Entry Memory Freed (Deprecated); 'alg_default_port_disable': Total ALG packets matching Default Port Disable; 'no_fwd_route': No Forward Route; 'no_rev_route': No Reverse Route; 'no_fwd_l2_dst': No Forward Mac Entry; 'no_rev_l2_dst': No Reverse Mac Entry; 'urpf_pkt_drop': URPF check packet drop; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP;

'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP; 'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size between 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000;

Type: string

Supported Values: all, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_creation_failure, data_session_created, data_session_created_local, data_session_freed, data_session_freed_local, fullcone_in_del_q, fullcone_retry_lookup, fullcone_not_found, fullcone_overflow_eim, fullcone_overflow_eif, udp_fullcone_created_shadow, tcp_fullcone_created_shadow, udp_fullcone_freed_shadow, tcp_fullcone_freed_shadow, fullcone_created, fullcone_freed, fullcone_ext_too_many, fullcone_ext_mem_allocated, fullcone_ext_mem_alloc_failure, fullcone_ext_mem_alloc_init_faulure, fullcone_ext_mem_freed, fullcone_ext_added, ha_fullcone_failure, data_session_created_shadow, data_session_created_shadow_local, data_session_freed_shadow, data_session_freed_shadow_local, active_fullcone_session, limit-entry-failure, limit-entry-allocated, limit-entry-mem-freed, limit-entry-created, limit-entry-found, limit-entry-not-in-bucket, limit-entry-marked-deleted, invalid-lid-drop, src-session-limit-exceeded, uplink-pps-limit-exceeded, downlink-pps-limit-exceeded, total-pps-limit-exceeded, uplink-throughput-limit-exceeded, downlink-throughput-limit-exceeded, total-throughput-limit-exceeded, cps-limit-exceeded, limit-exceeded, limit-entry-per-cpu-mem-allocated, limit-entry-per-cpu-mem-allocation-failed, limit-entry-per-cpu-mem-freed, alg_default_port_disable, no_fwd_route, no_rev_route, no_fwd_l2_dst, no_rev_l2_dst, urpf_pkt_drop, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp,

fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others, rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4

global_disable-app-list

Specification	
Type	*list*
Block object keys	

disable-application-category

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'aetls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.;

'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, aetls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-

to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

disable-application-protocol

Description Disable specific application protocol

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tcp-rst-close-immediate

Specification	
Type	*object*

status

Description 'enable': Enable TCP RST close immediate (default); 'disable': Disable TCP RST close immediate;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *tcp_mss-clamp*

Type: Object

Refernce Object: */axapi/v3/fw/tcp/mss-clamp*

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *tcp_reset-on-error*

Type: Object

Refernce Object: */axapi/v3/fw/tcp/reset-on-error*

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *tcp_syn-cookie*

Type: Object

Refernce Object: */axapi/v3/fw/tcp/syn-cookie*

tcp_mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)}

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_reset-on-error

Specification	
Type	*object*

enable

Description Enable send TCP reset on error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound

Description 'enable': Enable send TCP reset on error;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_syn-cookie

Specification	
Type	*object*

sampling-enable

Type: List

syn-cookie-enable

Description Enable Firewall Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-on-threshold

Description on-threshold for Syn-cookie (Decimal number)

Type: number

Range: 1-1000000

syn-cookie-on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_syn-cookie_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'syn_ack_sent': SYN cookie SYN ACK sent; 'verification_passed': SYN cookie verification passed; 'verification_failed': SYN cookie verification failed; 'conn_setup_failed': SYN cookie connection setup failed;

Type: string

Supported Values: all, syn_ack_sent, verification_passed, verification_failed, conn_setup_failed

radius

Specification	
Type	*object*

server

Description: server is a **JSON Block**. Please see below for *radius_server*

Type: Object

Refernce Object: */axapi/v3/fw/radius/server*

radius_server

Specification	
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default);

Type: string

Supported Values: ignore, delete-entry

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *radius_server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

radius_server_remote

Specification	
Type	*object*

ip-list

Type: List

radius_server_remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

radius_server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Table Full Dropped; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop; 'radius-packets-redirected': RADIUS packets redirected (SO); 'radius-packets-redirect-fail-dropped': RADIUS packets dropped due to redirect failure (SO); 'radius-packets-process-local': RADIUS packets processed locally without redirection (SO); 'radius-packets-dropped-not-lo': RADIUS packets dropped dest not loopback (SO); 'radius-inter-card-dup-redir': RADIUS packet dropped as redirected by other blade (SO);

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-created, smp-in-rml, smp-deleted, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop,

radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

radius_server_attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

clear-session-filter

Specification	
Type	*object*

status

Description 'disable': Disable clear L4 session filter for fw (Default: disabled); 'enable': Enable clear L4 session filter for fw;

Type: string

Supported Values: disable, enable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

per-instance

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Vrrp group (VRRP-A vrid)

Type: number

Range: 1-31

limit-entry

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rate-limit

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp

Specification	
Type	*object*

apn-log-periodicity

Description Periodic Logging Frequency(In Minutes)

Type: number

Range: 1-30

apn-prefix

Description: apn-prefix is a **JSON Block**. Please see below for *gtp_apn-prefix*

Type: Object

Refernce Object: */axapi/v3/fw/gtp/apn-prefix*

apn-prefix-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

echo-timeout

Description echo message timeout (minutes) (echo-timeout (default 2))

Type: number

Range: 1-261

Default: 2

gtp-value

Description 'enable': Enable GTP Inspection;

Type: string

Supported Values: enable

insertion-mode

Description 'monitor': Enable inline view-only mode; 'skip-state-checks': Enable skip stateful checks mode;

Type: string

Supported Values: monitor, skip-state-checks

ne-v4-log-periodicity

Description Periodic Logging Frequency(In Minutes)

Type: number

Range: 1-30

ne-v6-log-periodicity

Description Periodic Logging Frequency(In Minutes)

Type: number

Range: 1-30

network-element

Description: network-element is a **JSON Block**. Please see below for *gtp_network-element*

Type: Object

Refernce Object: */axapi/v3/fw/gtp/network-element*

network-element-list-v4

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

network-element-list-v6

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

path-mgmt-logging

Description 'enable-log': Enable Log for Path Management;

Type: string

Supported Values: enable-log

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_network-element

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_apn-prefix

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'out-of-session-memory': Out of Tunnel Memory; 'no-fwd-route': No Forward Route; 'no-rev-route': No Reverse Route; 'gtp-smp-created': GTP SMP Created; 'gtp-smp-marked-deleted': GTP SMP Marked Deleted; 'gtp-smp-deleted': GTP SMP Deleted; 'smp-creation-failed': GTP-U SMP Helper Session Creation Failed; 'gtp-smp-path-created': GTP SMP PATH Created; 'gtp-smp-path-freed': GTP SMP PATH MEM freed; 'gtp-smp-path-allocated': GTP SMP PATH MEM allocated; 'gtp-smp-path-creation-failed': GTP SMP PATH creation Failed; 'gtp-tunnel-rate-limit-entry-create-success': GTP Tunnel Level Rate Limit Entry Create Success; 'gtp-tunnel-rate-limit-entry-create-failure': GTP Tunnel Level Rate Limit Entry Create Failure; 'gtp-tunnel-rate-limit-entry-deleted': GTP Tunnel Level Rate Limit Entry Deleted; 'gtp-rate-limit-smp-created': GTP Rate Limit SMP Created; 'gtp-rate-limit-smp-freed': GTP Rate Limit SMP Freed; 'gtp-rate-limit-smp-create-failure': GTP Rate Limit SMP Create Failure; 'gtp-rate-limit-t3-ctr-create-failure': GTP Rate Limit Dynamic Counters Create Failure; 'gtp-rate-limit-entry-create-failure': GTP Rate Limit Entry Create Failure; 'gtp-echo-conn-created': GTP Echo Request Conn Created; 'gtp-echo-conn-deleted': GTP Echo Request conn Deleted; 'gtp-node-restart-echo': GTP Node Restoration due to Recovery IE in Echo; 'gtp-c-echo-path-failure': GTP-C Path Failure due to Echo; 'drop-vld-gtp-echo-out-of-state-': GTP Echo Out of State Drop; 'drop-vld-gtp-echo-ie-len-exceed-msg-len': GTP Echo IE Length Exceeds Message Length; 'gtp-create-session-request-retransmit': GTP-C Retransmitted Create Session Request; 'gtp-add-bearer-request-retransmit': GTP-C Retransmitted Add Bearer Request; 'gtp-delete-session-request-retransmit': GTP-C Retransmitted Delete Session Request; 'gtp-handover-request-retransmit': GTP Handover Request Retransmit; 'gtp-del-bearer-request-retransmit': GTP-C Retransmitted Delete Bearer Request; 'gtp-add-bearer-response-retransmit': GTP-C Retransmitted Add Bearer Response; 'gtp-create-session-request-retx-drop': GTP-C Retransmitted Create Session Request dropped; 'gtp-u-out-of-state-drop': GTP-U Out of state Drop; 'gtp-c-handover-request-out-of-state-drop': GTP-C Handover Request Out of state Drop; 'gtp-v1-c-nsapi-not-found-in-delete-req': GTPv1-C NSAPI Not Found in GTP Request; 'gtp-v2-c-bearer-not-found-in-delete-req': GTPv2-C Bearer Not Found in GTP Request; 'gtp-v2-c-bearer-not-found-in-delete-resp': GTPv2-C Bearer Not Found in GTP Response; 'gtp-multiple-handover-request': GTP Multiple Handover Request; 'gtp-rr-message-drop': GTP Message Dropped in RR Mode; 'gtp-rr-echo-message-dcmsg': GTP Echo Message Sent to home CPU in RR Mode; 'gtp-rr-c-message-dcmsg': GTP-C Message Sent to home CPU in RR Mode; 'drop-gtp-frag-or-jumbo-pkt': GTP Fragmented or JUMBO packet Drop; 'response-with-reject-cause-forwarded': GTP-C Response with Reject Cause Forwarded; 'gtp-c-message-forwarded-without-conn': GTP-C Message Forwarded without Conn; 'gtp-v0-c-ver-not-supp': GTPv0-C Version not supported indication; 'gtp-v1-c-ver-not-supp': GTPv1-C Version not supported indication; 'gtp-v2-c-ver-not-supp': GTPv2-C Version not supported indication; 'gtp-v1-extn-hdt-notif': GTPV1 Supported Extension header notification; 'gtp-u-error-ind': GTP-U Error Indication; 'gtp-v0-c-uplink-ingress-packets': GTPv0-C Uplink Ingress Packets; 'gtp-v0-c-uplink-egress-packets': GTPv0-C Uplink Egress Packets; 'gtp-v0-c-downlink-ingress-packets': GTPv0-C Downlink Ingress Packets; 'gtp-v0-c-downlink-egress-packets': GTPv0-C Downlink Egress Packets; 'gtp-v0-c-uplink-ingress-bytes': GTPv0-C Uplink Ingress Bytes; 'gtp-v0-c-uplink-egress-bytes': GTPv0-C Uplink Egress Bytes; 'gtp-v0-c-downlink-ingress-bytes': GTPv0-C Downlink Ingress Bytes; 'gtp-v0-c-downlink-egress-bytes': GTPv0-C Downlink Egress Bytes; 'gtp-v1-c-uplink-ingress-

packets': GTPv1-C Uplink Ingress Packets; 'gtp-v1-c-uplink-egress-packets': GTPv1-C Uplink Egress Packets; 'gtp-v1-c-downlink-ingress-packets': GTPv1-C Downlink Ingress Packets; 'gtp-v1-c-downlink-egress-packets': GTPv1-C Downlink Egress Packets; 'gtp-v1-c-uplink-ingress-bytes': GTPv1-C Uplink Ingress Bytes; 'gtp-v1-c-uplink-egress-bytes': GTPv1-C Uplink Egress Bytes; 'gtp-v1-c-downlink-ingress-bytes': GTPv1-C Downlink Ingress Bytes; 'gtp-v1-c-downlink-egress-bytes': GTPv1-C Downlink Egress Bytes; 'gtp-v2-c-uplink-ingress-packets': GTPv2-C Uplink Ingress Packets; 'gtp-v2-c-uplink-egress-packets': GTPv2-C Uplink Egress Packets; 'gtp-v2-c-downlink-ingress-packets': GTPv2-C Downlink Ingress Packets; 'gtp-v2-c-downlink-egress-packets': GTPv2-C Downlink Egress Packets; 'gtp-v2-c-uplink-ingress-bytes': GTPv2-C Uplink Ingress Bytes; 'gtp-v2-c-uplink-egress-bytes': GTPv2-C Uplink Egress Bytes; 'gtp-v2-c-downlink-ingress-bytes': GTPv2-C Downlink Ingress Bytes; 'gtp-v2-c-downlink-egress-bytes': GTPv2-C Downlink Egress Bytes; 'gtp-u-uplink-ingress-packets': GTP-U Uplink Ingress Packets; 'gtp-u-uplink-egress-packets': GTP-U Uplink Egress Packets; 'gtp-u-downlink-ingress-packets': GTP-U Downlink Ingress Packets; 'gtp-u-downlink-egress-packets': GTP-U Downlink Egress Packets; 'gtp-u-uplink-ingress-bytes': GTP-U Uplink Ingress Bytes; 'gtp-u-uplink-egress-bytes': GTP-U Uplink Egress Bytes; 'gtp-u-downlink-ingress-bytes': GTP-U Downlink Ingress Bytes; 'gtp-u-downlink-egress-bytes': GTP-U Downlink Egress Bytes; 'gtp-v0-c-create-synced': GTPv0-C Tunnel Create Synced; 'gtp-v1-c-create-synced': GTPv1-C Tunnel Create Synced; 'gtp-v2-c-create-synced': GTPv2-C Tunnel Create Synced; 'gtp-v0-c-delete-synced': GTPv0-C Tunnel Delete Synced; 'gtp-v1-c-delete-synced': GTPv1-C Tunnel Delete Synced; 'gtp-v2-c-delete-synced': GTPv2-C Tunnel Delete Synced; 'gtp-v0-c-create-sync-rx': GTPv0-C Tunnel Create Sync Received on Standby; 'gtp-v1-c-create-sync-rx': GTPv1-C Tunnel Create Sync Received on Standby; 'gtp-v2-c-create-sync-rx': GTPv2-C Tunnel Create Sync Received on Standby; 'gtp-v0-c-delete-sync-rx': GTPv0-C Tunnel Delete Sync Received on Standby; 'gtp-v1-c-delete-sync-rx': GTPv1-C Tunnel Delete Sync Received on Standby; 'gtp-v2-c-delete-sync-rx': GTPv2-C Tunnel Delete Sync Received on Standby; 'gtp-handover-synced': GTP Handover Synced; 'gtp-handover-sync-rx': GTP Handover Sync Received on Standby; 'gtp-smp-add-bearer-synced': GTP SMP Add Bearer Synced; 'gtp-smp-del-bearer-synced': GTP SMP Del Bearer Synced; 'gtp-smp-additional-bearer-synced': GTP SMP Additional Bearer Synced; 'gtp-smp-add-bearer-sync-rx': GTP SMP Add Bearer Sync Received on Standby; 'gtp-smp-del-bearer-sync-rx': GTP SMP Del Bearer Sync Received on Standby; 'gtp-smp-additional-bearer-sync-rx': GTP SMP Additional Bearer Sync Received on Standby; 'gtp-add-bearer-sync-not-rx-on-standby': GTP Add Bearer Sync Not Received on Standby; 'gtp-add-bearer-sync-with-periodic-update-on-standby': GTP Bearer Added on Standby with Periodic Sync; 'gtp-delete-bearer-sync-with-periodic-update-on-standby': GTP Bearer Deleted on Standy with Periodic Sync; 'gtp-v0-c-echo-create-synced': GTPv0-C Echo Create Synced; 'gtp-v1-c-echo-create-synced': GTPv1-C Echo Create Synced; 'gtp-v2-c-echo-create-synced': GTPv2-C Echo Create Synced; 'gtp-v0-c-echo-create-sync-rx': GTPv0-C-Echo Create Sync Received on Standby; 'gtp-v1-c-echo-create-sync-rx': GTPv1-C-Echo Create Sync Received on Standby; 'gtp-v2-c-echo-create-sync-rx': GTPv2-C-Echo Create Sync Received on Standby; 'gtp-v0-c-echo-del-synced': GTPv0-C Echo Delete Synced; 'gtp-v1-c-echo-del-synced': GTPv1-C Echo Delete Synced; 'gtp-v2-c-echo-del-synced': GTPv2-C Echo Delete Synced; 'gtp-v0-c-echo-del-sync-rx': GTPv0-C-Echo Delete Sync Received on Standby;

Type: string

Supported Values: all, out-of-session-memory, no-fwd-route, no-rev-route, gtp-smp-created, gtp-smp-marked-deleted, gtp-smp-deleted, smp-creation-failed, gtp-smp-path-created, gtp-smp-path-freed, gtp-smp-path-allocated, gtp-smp-path-creation-failed, gtp-tunnel-rate-limit-entry-create-success, gtp-tunnel-rate-limit-entry-create-failure, gtp-tunnel-rate-limit-entry-deleted, gtp-rate-limit-smp-created, gtp-rate-limit-smp-freed, gtp-rate-limit-smp-create-failure, gtp-rate-limit-t3-ctr-create-failure, gtp-rate-limit-entry-create-failure, gtp-echo-conn-created, gtp-echo-conn-deleted, gtp-node-restart-echo, gtp-c-echo-path-failure,

drop-vld-gtp-echo-out-of-state-, drop-vld-gtp-echo-ie-len-exceed-msg-len, gtp-create-session-request-retransmit, gtp-add-bearer-request-retransmit, gtp-delete-session-request-retransmit, gtp-handover-request-retransmit, gtp-del-bearer-request-retransmit, gtp-add-bearer-response-retransmit, gtp-create-session-request-retx-drop, gtp-u-out-of-state-drop, gtp-c-handover-request-out-of-state-drop, gtp-v1-c-nsapi-not-found-in-delete-req, gtp-v2-c-bearer-not-found-in-delete-req, gtp-v2-c-bearer-not-found-in-delete-resp, gtp-multiple-handover-request, gtp-rr-message-drop, gtp-rr-echo-message-dcmsg, gtp-rr-c-message-dcmsg, drop-gtp-frag-or-jumbo-pkt, response-with-reject-cause-forwarded, gtp-c-message-forwarded-without-conn, gtp-v0-c-ver-not-supp, gtp-v1-c-ver-not-supp, gtp-v2-c-ver-not-supp, gtp-v1-extn-hdt-notif, gtp-u-error-ind, gtp-v0-c-uplink-ingress-packets, gtp-v0-c-uplink-egress-packets, gtp-v0-c-downlink-ingress-packets, gtp-v0-c-downlink-egress-packets, gtp-v0-c-uplink-ingress-bytes, gtp-v0-c-uplink-egress-bytes, gtp-v0-c-downlink-ingress-bytes, gtp-v0-c-downlink-egress-bytes, gtp-v1-c-uplink-ingress-packets, gtp-v1-c-uplink-egress-packets, gtp-v1-c-downlink-ingress-packets, gtp-v1-c-downlink-egress-packets, gtp-v1-c-uplink-ingress-bytes, gtp-v1-c-uplink-egress-bytes, gtp-v1-c-downlink-ingress-bytes, gtp-v1-c-downlink-egress-bytes, gtp-v2-c-uplink-ingress-packets, gtp-v2-c-uplink-egress-packets, gtp-v2-c-downlink-ingress-packets, gtp-v2-c-downlink-egress-packets, gtp-v2-c-uplink-ingress-bytes, gtp-v2-c-uplink-egress-bytes, gtp-v2-c-downlink-ingress-bytes, gtp-v2-c-downlink-egress-bytes, gtp-u-uplink-ingress-packets, gtp-u-uplink-egress-packets, gtp-u-downlink-ingress-packets, gtp-u-downlink-egress-packets, gtp-u-uplink-ingress-bytes, gtp-u-uplink-egress-bytes, gtp-u-downlink-ingress-bytes, gtp-u-downlink-egress-bytes, gtp-v0-c-create-synced, gtp-v1-c-create-synced, gtp-v2-c-create-synced, gtp-v0-c-delete-synced, gtp-v1-c-delete-synced, gtp-v2-c-delete-synced, gtp-v0-c-create-sync-rx, gtp-v1-c-create-sync-rx, gtp-v2-c-create-sync-rx, gtp-v0-c-delete-sync-rx, gtp-v1-c-delete-sync-rx, gtp-v2-c-delete-sync-rx, gtp-handover-synced, gtp-handover-sync-rx, gtp-smp-add-bearer-synced, gtp-smp-del-bearer-synced, gtp-smp-additional-bearer-synced, gtp-smp-add-bearer-sync-rx, gtp-smp-del-bearer-sync-rx, gtp-smp-additional-bearer-sync-rx, gtp-add-bearer-sync-not-rx-on-standby, gtp-add-bearer-sync-with-periodic-update-on-standby, gtp-delete-bearer-sync-with-periodic-update-on-standby, gtp-v0-c-echo-create-synced, gtp-v1-c-echo-create-synced, gtp-v2-c-echo-create-synced, gtp-v0-c-echo-create-sync-rx, gtp-v1-c-echo-create-sync-rx, gtp-v2-c-echo-create-sync-rx, gtp-v0-c-echo-del-synced, gtp-v1-c-echo-del-synced, gtp-v2-c-echo-del-synced, gtp-v0-c-echo-del-sync-rx

counters2

Description 'gtp-v1-c-echo-del-sync-rx': GTPv1-C-Echo Delete Sync Received on Standby; 'gtp-v2-c-echo-del-sync-rx': GTPv2-C-Echo Delete Sync Received on Standby; 'drop-gtp-conn-creation-standby': GTP Conn creation on Standby Drop; 'gtp-u-synced-before-control': GTP-U Tunnel synced before corresponding GTP-C; 'gtp-c-l5-synced-before-l3': GTP-C L5 conn synced before corresponding L3 GTP-C conn; 'gtp-smp-path-del-synced': GTP SMP path delete Synced; 'gtp-smp-path-del-sync-rx': GTP SMP path delete Sync Received on Standby; 'gtp-not-enabled-on-standby': GTP Not Enabled on Standby; 'gtp-ip-version-v4-v6': GTP IP versions of V4&V6 in FTEID; 'drop-gtp-ip-version-mismatch-fteid': GTP IP version mismatch for req & response FTEIDs; 'drop-gtp-ip-version-mismatch-ho-fteid': GTP IP version mismatch in Handover SGW FTEID; 'gtp-u-message-length-mismatch': GTP-U Message Length Mismatch Across Layers; 'gtp-path-message-length-mismatch': GTP-Path Message Length Mismatch Across Layers; 'drop-gtp-missing-cond-ie-bearer-ctx': Missing conditional IE in bearer context Drop; 'drop-gtp-bearer-not-found-in-resp': GTP Bearer not found in response; 'gtp-stateless-forward': GTP Stateless Forward; 'gtp-l3-conn-deleted': GTP L3 conn deleted; 'gtp-l5-conn-created': GTP L5 conn created; 'gtp-monitor-forward': GTP messages forwarded via monitor mode; 'gtp-u_inner-ip-not-present': GTP-U inner IP not present; 'gtp-ext_hdr-incorrect-length': GTP Extension header incorrect length;

Type: string

Supported Values: gtp-v1-c-echo-del-sync-rx, gtp-v2-c-echo-del-sync-rx, drop-gtp-conn-

creation-standby, gtp-u-synced-before-control, gtp-c-l5-synced-before-l3, gtp-smp-path-del-synced, gtp-smp-path-del-sync-rx, gtp-not-enabled-on-standby, gtp-ip-version-v4-v6, drop-gtp-ip-version-mismatch-fteid, drop-gtp-ip-version-mismatch-ho-fteid, gtp-u-message-length-mismatch, gtp-path-message-length-mismatch, drop-gtp-missing-cond-ie-bearer-ctx, drop-gtp-bearer-not-found-in-resp, gtp-stateless-forward, gtp-l3-conn-deleted, gtp-l5-conn-created, gtp-monitor-forward, gtp-u_inner-ip-not-present, gtp-ext_hdr-incorrect-length

template

Specification	
Type	*object*

logging-list

Type: List

Refernce Object: */axapi/v3/fw/template/logging/{name}*

template_logging-list

Specification	
Type	*list*
Block object keys	

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'ascii': A10 Text logging format (ASCII); 'cef': Common Event Format for logging (default);

Type: string

Supported Values: ascii, cef

Default: cef

include-dest-fqdn

Description Include destination FQDN string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Description: include-http is a **JSON Block**. Please see below for *template_logging-list_include-http*

Type: Object

include-radius-attribute

Description: include-radius-attribute is a **JSON Block**. Please see below for *template_logging-list_include-radius-attribute*

Type: Object

log

Description: log is a **JSON Block**. Please see below for *template_logging-list_log*

Type: Object

merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resolution

Description 'seconds': Logging timestamp resolution in seconds (default); '10-milliseconds': Logging timestamp resolution in 10s of milli-seconds;

Type: string

Supported Values: seconds, 10-milliseconds

Default: seconds

rule

Description: rule is a **JSON Block**. Please see below for *template_logging-list_rule*

Type: Object

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

severity

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: informational

source-address

Description: source-address is a **JSON Block**. Please see below for *template_logging-list_source-address*

Type: Object

Refernce Object: */axapi/v3/fw/template/logging/{name}/source-address*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_source-address

Specification	
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_include-radius-attribute

Specification	
Type	*object*

attr-cfg

Type: List

framed-ipv6-prefix

Description Include radius attributes for the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-if-not-existing

Description Configure what string is to be inserted for custom RADIUS attributes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-quote

Description No quotation marks for RADIUS attributes in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

zero-in-custom-attr

Description Insert 0000 for standard and custom attributes in log string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_include-radius-attribute_attr-cfg

Specification	
Type	*list*
Block object keys	

attr

Description 'imei': Include IMEI; 'imsi': Include IMSI; 'msisdn': Include MSISDN; 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

attr-event

Description 'http-requests': Include in HTTP request logs; 'sessions': Include in session logs; 'limit-policy': Include in limit policy logs;

Type: string

Supported Values: http-requests, sessions, limit-policy

template_logging-list_rule

Specification	
Type	*object*

rule-http-requests

Description: rule-http-requests is a **JSON Block**. Please see below for *template_logging-list_rule_rule-http-requests*

Type: Object

template_logging-list_rule_rule-http-requests

Specification	
Type	*object*

dest-port

Type: List

disable-sequence-check

Description Disable http packet sequence check and don't drop out of order packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-all-headers

Description Include all configured headers despite of absence in HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-every-http-request

Description Log every HTTP request in an HTTP 1.1 session (Default: Log the first HTTP request in a session)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-len

Description Max length of URL log (Max URL length (Default: 128 char))

Type: number

Range: 100-1000

Default: 128

template_logging-list_rule_rule-http-requests_dest-port

Specification	
Type	*list*
Block object keys	

dest-port-number

Description

Type: number

Range: 1-65535

include-byte-count

Description Include the byte count of HTTP Request/Response in FW session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_include-http

Specification	
Type	*object*

file-extension

Description HTTP file extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-cfg

Type: List

l4-session-info

Description Log the L4 session information of the HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Log the HTTP Request Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-number

Description HTTP Request Number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_logging-list_include-http_header-cfg

Specification	
Type	*list*
Block object keys	

custom-header-name

Description Header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

custom-max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

http-header

Description 'cookie': Log HTTP Cookie Header; 'referer': Log HTTP Referer Header; 'user-agent': Log HTTP User-Agent Header; 'header1': Log HTTP Header 1; 'header2': Log HTTP Header 2; 'header3': Log HTTP Header 3;

Type: string

Supported Values: cookie, referer, user-agent, header1, header2, header3

max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

template_logging-list_log

Specification	
Type	*object*

http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

full-cone-session

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

urpf

Specification	
Type	*object*

status

Description 'loose': Perform loose check; 'strict': Perform strict check; 'disable': Disable check;

Type: string

Supported Values: loose, strict, disable

Default: loose

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tap-monitor

Specification	
Type	*object*

status

Description 'enable': Enable tap monitor mode; 'disable': Disable tap monitor mode (Default:Disable);

Type: string

Supported Values: enable, disable

Default: disable

tap-port-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tap-monitor_tap-port-cfg

Specification	
Type	*list*
Block object keys	

tap-eth

Description Ethernet interface number

Type: number

Format: interface

tap-vlan

Description Vlan number

Type: number

Range: 2-4096

local-log

Specification	
Type	*object*

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-usage

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-rule-set

Specification	
Type	*object*

name

Description Rule set name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/rule-set*

override-nat-aging

Description Override NAT idle-timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-aging

Description Session Aging Template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/session-aging*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging

Specification	
Type	*object*

gtp

Description: gtp is a **JSON Block**. Please see below for *logging_gtp*

Type: Object

Refernce Object: */axapi/v3/fw/logging/gtp*

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/template/logging*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging_gtp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging_gtp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log_type_gtp_invalid_teid': Log Event Type GTP Invalid TEID; 'log_gtp_type_reserved_ie_present': Log Event Type GTP Reserved IE Present; 'log_type_gtp_mandatory_ie_missing': Log Event Type GTP Mandatory IE Missing; 'log_type_gtp_mandatory_ie_inside_grouped_ie_missing': Log Event Type GTP Mandatory IE Missing Inside Grouped IE; 'log_type_gtp_msisdn_filtering': Log Event Type GTP MSISDN Filtering; 'log_type_gtp_out_of_order_ie': Log Event Type GTP Out of Order IE V1; 'log_type_gtp_out_of_state_ie': Log Event Type GTP Out of State IE; 'log_type_enduser_ip_spoofed': Log Event Type GTP Enduser IP Spoofed; 'log_type_crosslayer_correlation': Log Event GTP Crosslayer Correlation; 'log_type_message_not_supported': Log Event GTP Reserved Message Found; 'log_type_out_of_state': Log Event GTP Out of State Message; 'log_type_max_msg_length': Log Event GTP Message Length Exceeded Max; 'log_type_gtp_message_filtering': Log Event Type GTP Message Filtering; 'log_type_gtp_apn_filtering': Log Event Type GTP Apn Filtering; 'log_type_gtp_rat_type_filtering': Log Event GTP RAT Type Filtering; 'log_type_country_code_mismatch': Log Event GTP Country Code Mismatch; 'log_type_gtp_in_gtp_filtering': Log Event GTP in GTP Filtering; 'log_type_gtp_node_restart': Log Event GTP SGW/PGW restarted; 'log_type_gtp_seq_num_mismatch': Log Event GTP Response Sequence number Mismatch; 'log_type_gtp_rate_limit_periodic': Log Event GTP Rate Limit Periodic; 'log_type_gtp_rate_limit_periodic': Log Event GTP Invalid message length

across layers; 'log_type_gtp_rate_limit_periodic': Log Event GTP Protocol flag in header; 'log_type_gtp_rate_limit_periodic': Log Event GTP invalid spare bits in header; 'log_type_gtp_rate_limit_periodic': Log Event GTP invalid piggyback flag in header; 'log_type_gtp_rate_limit_periodic': Log Event invalid GTP version; 'log_type_gtp_rate_limit_periodic': Log Event mismatch of GTP message and ports;

Type: string

Supported Values: all, log_type_gtp_invalid_teid, log_gtp_type_reserved_ie_present, log_type_gtp_mandatory_ie_missing, log_type_gtp_mandatory_ie_inside_grouped_ie_missing, log_type_gtp_msisdn_filtering, log_type_gtp_out_of_order_ie, log_type_gtp_out_of_state_ie, log_type_enduser_ip_spoofed, log_type_crosslayer_correlation, log_type_message_not_supported, log_type_out_of_state, log_type_max_msg_length, log_type_gtp_message_filtering, log_type_gtp_apn_filtering, log_type_gtp_rat_type_filtering, log_type_country_code_mismatch, log_type_gtp_in_gtp_filtering, log_type_gtp_node_restart, log_type_gtp_seq_num_mismatch, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic

logging_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log_message_sent': Log Packet Sent; 'log_type_reset': Log Event Type Reset; 'log_type_deny': Log Event Type Deny; 'log_type_session_closed': Log Event Type Session Close; 'log_type_session_opened': Log Event Type Session Open; 'rule_not_logged': Firewall Rule Not Logged; 'log-dropped': Log Packets Dropped; 'tcp-session-created': TCP Session Created; 'tcp-session-deleted': TCP Session Deleted; 'udp-session-created': UDP Session Created; 'udp-session-deleted': UDP Session Deleted; 'icmp-session-deleted': ICMP Session Deleted; 'icmp-session-created': ICMP Session Created; 'icmpv6-session-deleted': ICMPV6 Session Deleted; 'icmpv6-session-created': ICMPV6 Session Created; 'other-session-deleted': Other Session Deleted; 'other-session-created': Other Session Created; 'http-request-logged': HTTP Request Logged; 'http-logging-invalid-format': HTTP Logging Invalid Format Error; 'dcmsg_permit': Dcmsg Permit; 'alg_override_permit': Alg Override Permit; 'template_error': Template Error; 'ipv4-frag-applied': IPv4 Fragmentation Applied; 'ipv4-frag-failed': IPv4 Fragmentation Failed; 'ipv6-frag-applied': IPv6 Fragmentation Applied; 'ipv6-frag-failed': IPv6 Fragmentation Failed; 'out-of-buffers': Out of Buffers; 'add-msg-failed': Add Message to Buffer Failed; 'tcp-logging-conn-established': TCP Logging Conn Established; 'tcp-logging-conn-create-failed': TCP Logging Conn Create Failed; 'tcp-logging-conn-dropped': TCP Logging Conn Dropped; 'log-message-too-long': Log message too long; 'http-out-of-order-dropped': HTTP out-of-order dropped; 'http-alloc-failed': HTTP Request Info Allocation Failed; 'sctp-session-created': SCTP Session Created; 'sctp-session-deleted': SCTP Session Deleted; 'log_type_sctp_inner_proto_filter': Log Event Type SCTP Inner Proto Filter; 'tcp-logging-port-allocated': TCP Logging Port Allocated; 'tcp-logging-port-freed': TCP Logging Port Freed; 'tcp-logging-port-allocation-failed': TCP Logging Port Allocation Failed; 'iddos-

blackhole-entry-create': iDDoS IP Entry Created; 'iddos-blackhole-entry-delete': iDDoS IP Entry Deleted; 'session-limit-exceeded': Session Limit Exceeded;

Type: string

Supported Values: all, log_message_sent, log_type_reset, log_type_deny, log_type_session_closed, log_type_session_opened, rule_not_logged, log-dropped, tcp-session-created, tcp-session-deleted, udp-session-created, udp-session-deleted, icmp-session-deleted, icmp-session-created, icmpv6-session-deleted, icmpv6-session-created, other-session-deleted, other-session-created, http-request-logged, http-logging-invalid-format, dcmsg_permit, alg_override_permit, template_error, ipv4-frag-applied, ipv4-frag-failed, ipv6-frag-applied, ipv6-frag-failed, out-of-buffers, add-msg-failed, tcp-logging-conn-established, tcp-logging-conn-create-failed, tcp-logging-conn-dropped, log-message-too-long, http-out-of-order-dropped, http-alloc-failed, sctp-session-created, sctp-session-deleted, log_type_sctp_inner_proto_filter, tcp-logging-port-allocated, tcp-logging-port-freed, tcp-logging-port-allocation-failed, iddos-blackhole-entry-create, iddos-blackhole-entry-delete, session-limit-exceeded

tcp-window-check

Specification	
Type	*object*

sampling-enable

Type: List

status

Description 'enable': Enable TCP window check (default); 'disable': Disable TCP window check;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-window-check_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outside-window': packet dropped for outside of tcp window;

Type: string

Supported Values: all, outside-window

service-group-list

Specification	
Type	*list*
Block object keys	

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

member-list

Type: List

Refernce Object: */axapi/v3/fw/service-group/{name}/member/{name}+{port}*

name

Description FW Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl*

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Service selection fail drop; 'server_selection_fail_reset': Service selection fail reset; 'service_peak_conn': Service peak connection;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn

service-group-list_member-list

Specification	
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/server*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Refernce Object: */axapi/v3/fw/server/port*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests success; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count; 'state_flaps': State flaps count;

Type: string

Supported Values: all, curr_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

helper-sessions

Specification	
Type	*object*

idle-timeout

Description helper-sessions idle-timeout time (Idle-timeout in minutes (default: 1 minute))

Type: number

Range: 1-255

Default: 1

limit

Description Limit number of helper-sessions (Limit helper-sessions number)

Type: number

mode

Description 'disable': Disable helper-sessions;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server;

Type: string

Supported Values: enable, disable

Default: enable

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

host

Description IP Address

Type: string

Format: ipv4-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

port-list

Type: List

Refernce Object: */axapi/v3/fw/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-list_port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl*

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-list_port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total request success; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy Response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time

server-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr-conn': Current connections; 'total-conn': Total connections; 'fwd-pkt': Forward packets; 'rev-pkt': Reverse Packets; 'peak-conn': Peak connections;

Type: string

Supported Values: all, curr-conn, total-conn, fwd-pkt, rev-pkt, peak-conn

session-aging-list

Specification	
Type	*list*
Block object keys	

icmp-idle-timeout

Description Idle Timeout value (default 2 seconds) (idle timeout in second, default 2)

Type: number

Range: 2-15000

Default: 2

ip-idle-timeout

Description Idle Timeout (sec), default is 30 (number)

Type: number

Range: 1-2097151

Default: 30

name

Description session-aging Template (session-aging Template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp

Description: tcp is a **JSON Block**. Please see below for *session-aging-list_tcp*

Type: Object

Refernce Object: */axapi/v3/fw/session-aging/{name}/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *session-aging-list_udp*

Type: Object

Refernce Object: */axapi/v3/fw/session-aging/{name}/udp*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-aging-list_udp

Specification	
Type	*object*

port-cfg

Type: List

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-aging-list_udp_port-cfg

Specification	
Type	*list*
Block object keys	

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

udp-port

Description

Type: number

Range: 1-65535

session-aging-list_tcp

Specification	
Type	*object*

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

port-cfg

Type: List

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

Default: 600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-aging-list_tcp_port-cfg

Specification	
Type	*list*
Block object keys	

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

tcp-port

Description

Type: number

Range: 1-65535

ddos-protection

Specification	
Type	*object*

action

Description: action is a **JSON Block**. Please see below for *ddos-protection_action*

Type: Object

logging

Description: logging is a **JSON Block**. Please see below for *ddos-protection_logging*

Type: Object

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ddos-protection_action

Specification	
Type	*object*

action-type

Description 'drop': Log, and drop all packets (default); 'redistribute-route': Log, Drop, and Notify upstream router to reroute the packets;

Type: string

Supported Values: drop, redistribute-route

Default: drop

expiration

Description To specify time in minutes to revert the action (Expiration time, in minutes (default is 5 mins))

Type: number

Range: 2-144000

Default: 5

expiration-route

Description To specify time in minutes to revert the action (Expiration time, in minutes (default is 60 mins))

Type: number

Range: 2-144000

Default: 60

remove-wait-timer

Description Max time to wait before removing IP from blackhole (Max value in seconds (default 300))

Type: number

Range: 0-300

Default: 300

route-map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

timer-multiply-max

Description To specify max value of timer multiplier for attacks lasted long time (Max value of timer multiplier (default is 6))

Type: number

Range: 1-100

Default: 6

ddos-protection_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ddos_entries_too_many': Too many DDOS entries; 'ddos_entry_added': DDOS entry added; 'ddos_entry_removed': DDOS entry removed; 'ddos_entry_added_to_bgp': DDoS Entry added to BGP; 'ddos_entry_removed_from_bgp': DDoS Entry Removed from BGP; 'ddos_entry_add_to_bgp_failure': DDoS Entry BGP add failures; 'ddos_entry_remove_from_bgp_failure': DDOS entry BGP remove failures; 'ddos_packet_dropped': DDOS Packet Drop;

Type: string

Supported Values: all, ddos_entries_too_many, ddos_entry_added, ddos_entry_removed, ddos_entry_added_to_bgp, ddos_entry_removed_from_bgp, ddos_entry_add_to_bgp_failure, ddos_entry_remove_from_bgp_failure, ddos_packet_dropped

ddos-protection_logging

Specification	
Type	*object*

enable-action

Description 'local': Enable local logs only; 'remote': Enable logging to remote server & IPFIX; 'both': Enable both local & remote logs;

Type: string

Supported Values: local, remote, both

Default: local

logging-action

Description 'enable': enable FW DDoS protection logging; 'disable': Disable both local & remote FW DDoS protection logging;

Type: string

Supported Values: enable, disable

Default: enable

top-k-rules

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.2 fw active-rule-set

Active firewall policy

active-rule-set Specification

Type	*Configuration Resource*
Element Name	active-rule-set
Element URI	/axapi/v3/fw/active-rule-set
Element Attributes	active-rule-set_attributes
Schema	`active-rule-set schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/active-rule-set

active-rule-set attributes

```
POST /axapi/v3/fw/active-rule-set
Payload:
{
    "active-rule-set": {
        "name": "a",
        "session-aging": "a"
    }
}
```

Get Object

GET

/axapi/v3/fw/active-rule-set

active-rule-set attributes

```
GET /axapi/v3/fw/active-rule-set
Reponse:
{
    "active-rule-set": {
        "name": "a",
        "session-aging": "a",
        "override-nat-aging": 0,
        "uuid": "87319b68-603a-11d9-add7-001fa00680a0",
        "a10-url": "/axapi/v3/fw/active-rule-set"
    }
}
```

Modify Object

POST

/axapi/v3/fw/active-rule-set

active-rule-set attributes

Replace Object

PUT

/axapi/v3/fw/active-rule-set

active-rule-set attributes

```
PUT /axapi/v3/fw/active-rule-set
Payload:
{
    "active-rule-set": {
        "name": "a",
        "session-aging": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/active-rule-set

active-rule-set attributes

```
DELETE /axapi/v3/fw/active-rule-set
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

active-rule-set attributes

name

Description Rule set name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/rule-set*

override-nat-aging

Description Override NAT idle-timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-aging

Description Session Aging Template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/session-aging*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.3 fw alg

Configure ALG

alg Specification

Type	*Configuration Resource*
Element Name	alg
Element URI	/axapi/v3/fw/alg
Element Attributes	alg_attributes
Schema	`alg schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg

alg attributes

Get Object

GET

/axapi/v3/fw/alg

alg attributes

Modify Object

POST

/axapi/v3/fw/alg

alg attributes

Replace Object

PUT

/axapi/v3/fw/alg

alg attributes

Delete Object

DELETE

/axapi/v3/fw/alg

alg attributes

alg attributes

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Refernce Object: */axapi/v3/fw/alg/dns*

esp

Description: esp is a **JSON Block**. Please see below for *esp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/esp*

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/ftp*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/icmp*

pptp

Description: pptp is a **JSON Block**. Please see below for *pptp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/pptp*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *rtsp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/fw/alg/sip*

tftp

Description: tftp is a **JSON Block**. Please see below for *tftp*

Type: Object

Refernce Object: */axapi/v3/fw/alg/tftp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable FTP ALG default port 21;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client-port-request': PORT Requests From Client; 'client-eprt-request': EPRT Requests From Client; 'server-pasv-reply': PASV Replies From Server; 'server-epsv-reply': EPSV Replies From Server; 'port-retransmits': PORT Retransmits; 'pasv-retransmits': PASV Retransmits; 'smp-app-type-mismatch': SMP App Type Mismatch; 'retransmit-sanity-check-failure': Retransmit Sanity Check Failure; 'smp-conn-alloc-failure': SMP Helper Conn Alloc Failure; 'port-helper-created': PORT Helper Created; 'pasv-helper-created': PASV Helper Created; 'port-helper-acquire-in-del-q': PORT Helper Acquire In Del Queue; 'port-helper-acquire-already-used': PORT Helper Acquire Already Used; 'pasv-helper-acquire-in-del-q': PASV Helper Acquire In Del Queue; 'pasv-helper-acquire-already-used': PASV Helper Acquire Already Used; 'port-helper-freed-used': PORT Helper Freed Used; 'port-helper-freed-unused': PORT Helper Freed Unused; 'pasv-helper-freed-used': PASV Helper Freed Used; 'pasv-helper-freed-unused': PASV Helper Freed Unused;

Type: string

Supported Values: all, client-port-request, client-eprt-request, server-pasv-reply, server-epsv-reply, port-retransmits, pasv-retransmits, smp-app-type-mismatch, retransmit-sanity-check-failure, smp-conn-alloc-failure, port-helper-created, pasv-helper-created, port-helper-acquire-in-del-q, port-helper-acquire-already-used, pasv-helper-acquire-in-del-q, pasv-helper-acquire-already-used, port-helper-freed-used, port-helper-freed-unused, pasv-helper-freed-used, pasv-helper-freed-unused

sip

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable SIP ALG default port 5060;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stat-request': Request Received; 'stat-response': Response Received; 'method-register': Method REGISTER; 'method-invite': Method INVITE; 'method-ack': Method ACK; 'method-cancel': Method CANCEL; 'method-bye': Method BYE; 'method-options': Method OPTIONS; 'method-prack': Method PRACK; 'method-subscribe': Method SUBSCRIBE; 'method-notify': Method NOTIFY; 'method-publish': Method PUBLISH; 'method-info': Method INFO; 'method-refer': Method REFER; 'method-message': Method MESSAGE; 'method-update': Method UPDATE; 'method-unknown': Method Unknown; 'parse-error': Message Parse Error; 'keep-alive': Keep Alive; 'contact-error': Contact Process Error; 'sdp-error': SDP Process Error; 'rtp-port-no-op': RTP Port No Op; 'rtp-rtcp-port-success': RTP RTCP Port Success; 'rtp-port-failure': RTP Port Failure; 'rtcp-port-failure': RTCP Port Failure; 'contact-port-no-op': Contact Port No Op; 'contact-port-success': Contact Port Success; 'contact-port-failure': Contact Port Failure; 'contact-new': Contact Alloc; 'contact-alloc-failure': Contact Alloc Failure; 'contact-eim': Contact EIM; 'contact-eim-set': Contact EIM Set; 'rtp-new': RTP Alloc; 'rtp-alloc-failure': RTP Alloc Failure; 'rtp-eim': RTP EIM; 'helper-found': SMP Helper Conn Found; 'helper-created': SMP Helper Conn Created; 'helper-deleted': SMP Helper Conn Already Deleted; 'helper-freed': SMP Helper Conn Freed; 'helper-failure': SMP Helper Failure;

Type: string

Supported Values: all, stat-request, stat-response, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, keep-alive, contact-error, sdp-error, rtp-port-no-op, rtp-rtcp-port-success, rtp-port-failure, rtcp-port-failure, contact-port-no-op, contact-port-success, contact-port-failure, contact-new, contact-alloc-failure, contact-eim, contact-eim-set, rtp-new, rtp-alloc-failure, rtp-eim, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

esp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable ESP ALG default port 500;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

esp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'helper-created': ESP Helper Sessions Created; 'helper-freed': ESP Helper Sessions Freed; 'helper-freed-used': ESP Helper Sessions freed used; 'helper-freed-unused': ESP Helper Sessions freed unused; 'helper-already-used': ESP Helper Session already used; 'helper-in-rml': ESP Helper Session in Remove List;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

pptp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable PPTP ALG default port 1723;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'call-req-pns-call-id-mismatch': Call ID Mismatch on Call Request; 'call-reply-pns-call-id-mismatch': Call ID Mismatch on Call Reply; 'gre-session-created': GRE Session Created; 'gre-session-freed': GRE Session Freed; 'call-req-retransmit': Call Request Retransmit; 'call-req-new': Call Request New; 'call-req-ext-alloc-failure': Call Request Ext Alloc Failure; 'call-reply-call-id-unknown': Call Reply Unknown Client Call ID; 'call-reply-retransmit': Call Reply Retransmit; 'call-reply-ext-ext-alloc-failure': Call Request Ext Alloc Failure; 'smp-app-type-mismatch': SMP App Type Mismatch; 'smp-client-call-id-mismatch': SMP Client Call ID Mismatch; 'smp-sessions-created': SMP Session Created; 'smp-sessions-freed': SMP Session Freed; 'smp-alloc-failure': SMP Session Alloc Failure; 'gre-conn-creation-failure': GRE Conn Alloc Failure; 'gre-conn-ext-creation-failure': GRE Conn Ext Alloc Failure; 'gre-no-fwd-route': GRE No Fwd Route; 'gre-no-rev-route': GRE No Rev Route; 'gre-no-control-conn': GRE No Control Conn; 'gre-conn-already-exists': GRE Conn Already Exists; 'gre-free-no-ext': GRE Free No Ext; 'gre-free-no-smp': GRE Free No SMP; 'gre-free-smp-app-type-mismatch': GRE Free SMP App Type Mismatch; 'control-freed': Control Session Freed; 'control-free-no-ext': Control Free No Ext; 'control-free-no-smp': Control Free No SMP; 'control-free-smp-app-type-mismatch': Control Free SMP App Type Mismatch;

Type: string

Supported Values: all, calls-established, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, gre-session-created, gre-session-freed, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-ext-ext-alloc-failure, smp-app-type-mismatch, smp-client-call-id-mismatch, smp-sessions-created, smp-sessions-freed, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

rtsp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable RTSP ALG default port 554;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rtsp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'transport-inserted': Transport Created; 'transport-freed': Transport Freed; 'transport-alloc-failure': Transport Alloc Failure; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'ext-creation-failure': Extension Creation Failure; 'transport-add-to-ext': Transport Added to Extension; 'transport-removed-from-ext': Transport Removed from Extension; 'transport-too-many': Too Many Transports for Control Conn; 'transport-already-in-ext': Transport Already in Extension; 'transport-exists': Transport Already Exists; 'transport-link-ext-failure-control': Transport Link to Extension Failure Control; 'transport-link-ext-data': Transport Link to Extension Data; 'transport-link-ext-failure-data': Transport Link to Extension Failure Data; 'transport-inserted-shadow': Transport Inserted Shadow; 'transport-creation-race': Transport Create Race; 'transport-alloc-failure-shadow': Transport Alloc Failure Shadow; 'transport-put-in-del-q': Transport Put in Delete Queue; 'transport-freed-shadow': Transport Freed Shadow; 'transport-acquired-from-control': Transport Acquired Control; 'transport-found-from-prev-control': Transport Found From Prev Control; 'transport-acquire-failure-from-control': Transport Acquire Failure Control; 'transport-released-from-control': Transport Released Control; 'transport-double-release-from-control': Transport Double Release Control; 'transport-acquired-from-data': Transport Acquired Data; 'transport-acquire-failure-from-data': Transport Acquire Failure Data; 'transport-released-from-data': Transport Released Data; 'transport-double-release-from-data': Transport Double Release Data; 'transport-retry-lookup-on-data-free': Transport Retry Lookup Data; 'transport-not-found-on-data-free': Transport Not Found Data; 'data-session-created-shadow': Data Session Created Shadow; 'data-session-freed-shadow': Data Session Freed Shadow; 'ha-control-ext-creation-failure': HA Control Extension Creation Failure; 'ha-control-session-created': HA Control Session Created; 'ha-data-session-created': HA Data Session Created;

Type: string

Supported Values: all, transport-inserted, transport-freed, transport-alloc-failure, data-session-created, data-session-freed, ext-creation-failure, transport-add-to-ext, transport-removed-from-ext, transport-too-many, transport-already-in-ext, transport-exists, transport-link-ext-failure-control, transport-link-ext-data, transport-link-ext-failure-data, transport-inserted-shadow, transport-creation-race, transport-alloc-failure-shadow, transport-put-in-del-q, transport-freed-shadow, transport-acquired-from-control, transport-found-from-prev-control, transport-acquire-failure-from-control, transport-released-from-control,

transport-double-release-from-control, transport-acquired-from-data, transport-acquire-failure-from-data, transport-released-from-data, transport-double-release-from-data, transport-retry-lookup-on-data-free, transport-not-found-on-data-free, data-session-created-shadow, data-session-freed-shadow, ha-control-ext-creation-failure, ha-control-session-created, ha-data-session-created

dns

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable DNS ALG default port 53;

Type: string

Supported Values: default-port-disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp

Specification	
Type	*object*

default-port-disable

Description 'default-port-disable': Disable TFTP ALG default port 69;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tftp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'helper-created': TFTP Helper Sessions created; 'helper-freed': TFTP Helper Sessions freed; 'helper-freed-used': TFTP Helper Sessions freed used; 'helper-freed-unused': TFTP Helper Sessions freed unused; 'helper-already-used': TFTP Helper Session already used; 'helper-in-rml': TFTP Helper Session in Remove List;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

icmp

Specification	
Type	*object*

disable

Description 'disable': Disable ICMP ALG which allows ICMP errors to pass the firewall;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.4 fw alg dns

Change Firewall DNS ALG Settings

dns Specification

Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/fw/alg/dns
Element Attributes	dns_attributes
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg/dns

dns attributes

```
POST /axapi/v3/fw/alg/dns
Payload:
{
    "dns": {
        "default-port-disable": "default-port-disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/alg/dns

dns attributes

```
GET /axapi/v3/fw/alg/dns
Reponse:
{
    "dns": {
        "default-port-disable": "default-port-disable",
        "uuid": "9e194010-603a-11d9-add7-001fa00680a0",
        "a10-url": "/axapi/v3/fw/alg/dns"
    }
}
```

Modify Object

POST

/axapi/v3/fw/alg/dns

dns attributes

Replace Object

PUT

/axapi/v3/fw/alg/dns

dns attributes

```
PUT /axapi/v3/fw/alg/dns
Payload:
{
    "dns": {
        "default-port-disable": "default-port-disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/alg/dns

dns attributes

```
DELETE /axapi/v3/fw/alg/dns
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns attributes

default-port-disable

Description 'default-port-disable': Disable DNS ALG default port 53;

Type: string

Supported Values: default-port-disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.5 fw alg esp

Change Firewall ESP ALG Settings

esp Specification

Type	*Configuration Resource*
Element Name	esp
Element URI	/axapi/v3/fw/alg/esp
Element Attributes	esp_attributes
Statistics Data URI	/axapi/v3/fw/alg/esp/stats
Schema	`esp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg/esp

esp attributes

Get Object

GET

/axapi/v3/fw/alg/esp

esp attributes

Modify Object

POST

/axapi/v3/fw/alg/esp

esp attributes

Replace Object

PUT

/axapi/v3/fw/alg/esp

esp attributes

Delete Object

DELETE

/axapi/v3/fw/alg/esp

esp attributes

esp attributes

default-port-disable

Description 'default-port-disable': Disable ESP ALG default port 500;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': ESP Sessions Created; 'helper-created': ESP Helper Sessions Created; 'helper-freed': ESP Helper Sessions Freed; 'helper-freed-used': ESP Helper Sessions freed used; 'helper-freed-unused': ESP Helper Sessions freed unused; 'helper-already-used': ESP Helper Session already used; 'helper-in-rml': ESP Helper Session in Remove List;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

stats data

	Counter	Size	Description
	session-created	8	ESP Sessions Created
	helper-created	8	ESP Helper Sessions Created
	helper-freed	8	ESP Helper Sessions Freed

2.37.6 fw alg ftp

Change Firewall FTP ALG Settings

ftp Specification

Type	*Configuration Resource*
Element Name	ftp
Element URI	/axapi/v3/fw/alg/ftp
Element Attributes	ftp_attributes
Statistics Data URI	/axapi/v3/fw/alg/ftp/stats
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg/ftp

ftp attributes

```
POST /axapi/v3/fw/alg/ftp
Payload:
{
    "ftp": {
        "default-port-disable": "default-port-disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/alg/ftp

ftp attributes

```
GET /axapi/v3/fw/alg/ftp
Reponse:
{
    "ftp": {
        "default-port-disable": "default-port-disable",
        "uuid": "5882c484-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/fw/alg/ftp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/alg/ftp

ftp attributes

Replace Object

PUT

/axapi/v3/fw/alg/ftp

ftp attributes

```
PUT /axapi/v3/fw/alg/ftp
Payload:
{
    "ftp": {
        "default-port-disable": "default-port-disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/alg/ftp

ftp attributes

```
DELETE /axapi/v3/fw/alg/ftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp attributes

default-port-disable

Description 'default-port-disable': Disable FTP ALG default port 21;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client-port-request': PORT Requests From Client; 'client-eprt-request': EPRT Requests From Client; 'server-pasv-reply': PASV Replies From Server; 'server-epsv-reply': EPSV Replies From Server; 'port-retransmits': PORT Retransmits; 'pasv-retransmits': PASV Retransmits; 'smp-app-type-mismatch': SMP App Type Mismatch; 'retransmit-sanity-check-failure': Retransmit Sanity Check Failure; 'smp-conn-alloc-failure': SMP Helper Conn Alloc Failure; 'port-helper-created': PORT Helper Created; 'pasv-helper-created': PASV Helper Created; 'port-helper-acquire-in-del-q': PORT Helper Acquire In Del Queue; 'port-helper-acquire-already-used': PORT Helper Acquire Already Used; 'pasv-helper-acquire-in-del-q': PASV Helper Acquire In Del Queue; 'pasv-helper-acquire-already-used': PASV Helper Acquire Already Used; 'port-helper-freed-used': PORT Helper Freed Used; 'port-helper-freed-unused': PORT Helper Freed Unused; 'pasv-helper-freed-used': PASV Helper Freed Used; 'pasv-helper-freed-unused': PASV Helper Freed Unused;

Type: string

Supported Values: all, client-port-request, client-eprt-request, server-pasv-reply, server-epsv-reply, port-retransmits, pasv-retransmits, smp-app-type-mismatch, retransmit-sanity-check-failure, smp-conn-alloc-failure, port-helper-created, pasv-helper-created, port-helper-acquire-in-del-q, port-helper-acquire-already-used, pasv-helper-acquire-in-del-q, pasv-helper-acquire-already-used, port-helper-freed-used, port-helper-freed-unused, pasv-helper-freed-used, pasv-helper-freed-unused

stats data

	Counter	Size	Description
	client-eprt-request	8	EPRT Requests From Client
	server-epsv-reply	8	EPSV Replies From Server
	client-port-request	8	PORT Requests From Client
	server-pasv-reply	8	PASV Replies From Server

2.37.7 fw alg icmp

Change Firewall ICMP ALG Settings

icmp Specification

Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/fw/alg/icmp
Element Attributes	icmp_attributes
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg/icmp

icmp attributes

```
POST /axapi/v3/fw/alg/icmp
Payload:
{
    "icmp": {
        "disable": "disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/alg/icmp

icmp attributes

```
GET /axapi/v3/fw/alg/icmp
Reponse:
{
    "icmp": {
        "disable": "disable",
        "uuid": "ceac9632-603a-11d9-add7-001fa00680a0",
        "a10-url": "/axapi/v3/fw/alg/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/alg/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/fw/alg/icmp

icmp attributes

```
PUT /axapi/v3/fw/alg/icmp
Payload:
{
    "icmp": {
        "disable": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/alg/icmp

icmp attributes

```
DELETE /axapi/v3/fw/alg/icmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp attributes

disable

Description 'disable': Disable ICMP ALG which allows ICMP errors to pass the firewall;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.8 fw alg pptp

Change Firewall PPTP ALG Settings

pptp Specification

Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/fw/alg/pptp
Element Attributes	pptp_attributes
Statistics Data URI	/axapi/v3/fw/alg/pptp/stats
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg/pptp

pptp attributes

```
POST /axapi/v3/fw/alg/pptp
Payload:
{
    "pptp": {
        "default-port-disable": "default-port-disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/alg/pptp

pptp attributes

```
GET /axapi/v3/fw/alg/pptp
Reponse:
{
    "pptp": {
        "default-port-disable": "default-port-disable",
        "uuid": "5882c682-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/fw/alg/pptp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/alg/pptp

pptp attributes

Replace Object

PUT

/axapi/v3/fw/alg/pptp

pptp attributes

```
PUT /axapi/v3/fw/alg/pptp
Payload:
{
    "pptp": {
        "default-port-disable": "default-port-disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/alg/pptp

pptp attributes

```
DELETE /axapi/v3/fw/alg/pptp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pptp attributes

default-port-disable

Description 'default-port-disable': Disable PPTP ALG default port 1723;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'calls-established': Calls Established; 'call-req-pns-call-id-mismatch': Call ID Mismatch on Call Request; 'call-reply-pns-call-id-mismatch': Call ID Mismatch on Call Reply; 'gre-session-created': GRE Session Created; 'gre-session-freed': GRE Session Freed; 'call-req-retransmit': Call Request Retransmit; 'call-req-new': Call Request New; 'call-req-ext-alloc-failure': Call Request Ext Alloc Failure; 'call-reply-call-id-unknown': Call Reply Unknown Client Call ID; 'call-reply-retransmit': Call Reply Retransmit; 'call-reply-ext-ext-alloc-failure': Call Request Ext Alloc Failure; 'smp-app-type-mismatch': SMP App Type Mismatch; 'smp-client-call-id-mismatch': SMP Client Call ID Mismatch; 'smp-sessions-created': SMP Session Created; 'smp-sessions-freed': SMP Session Freed; 'smp-alloc-failure': SMP Session Alloc Failure; 'gre-conn-creation-failure': GRE Conn Alloc Failure; 'gre-conn-ext-creation-failure': GRE Conn Ext Alloc Failure; 'gre-no-fwd-route': GRE No Fwd Route; 'gre-no-rev-route': GRE No Rev Route; 'gre-no-control-conn': GRE No Control Conn; 'gre-conn-already-exists': GRE Conn Already Exists; 'gre-free-no-ext': GRE Free No Ext; 'gre-free-no-smp': GRE Free No SMP; 'gre-free-smp-app-type-mismatch': GRE Free SMP App Type Mismatch; 'control-freed': Control Session Freed; 'control-free-no-ext': Control Free No Ext; 'control-free-no-smp': Control Free No SMP; 'control-free-smp-app-type-mismatch': Control Free SMP App Type Mismatch;

Type: string

Supported Values: all, calls-established, call-req-pns-call-id-mismatch, call-reply-pns-call-id-mismatch, gre-session-created, gre-session-freed, call-req-retransmit, call-req-new, call-req-ext-alloc-failure, call-reply-call-id-unknown, call-reply-retransmit, call-reply-ext-ext-alloc-failure, smp-app-type-mismatch, smp-client-call-id-mismatch, smp-sessions-created, smp-sessions-freed, smp-alloc-failure, gre-conn-creation-failure, gre-conn-ext-creation-failure, gre-no-fwd-route, gre-no-rev-route, gre-no-control-conn, gre-conn-already-exists, gre-free-no-ext, gre-free-no-smp, gre-free-smp-app-type-mismatch, control-freed, control-free-no-ext, control-free-no-smp, control-free-smp-app-type-mismatch

stats data

	Counter	Size	Description
	call-req-pns-call-id-mismatch	8	Call ID Mismatch on Call Request
	gre-session-created	8	GRE Session Created
	gre-session-freed	8	GRE Session Freed
	call-reply-pns-call-id-mismatch	8	Call ID Mismatch on Call Reply
	calls-established	8	Calls Established

2.37.9 fw alg rtsp

Change Firewall RTSP ALG Settings

rtsp Specification

Type	*Configuration Resource*
Element Name	rtsp
Element URI	/axapi/v3/fw/alg/rtsp
Element Attributes	rtsp_attributes
Statistics Data URI	/axapi/v3/fw/alg/rtsp/stats
Schema	`rtsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg/rtsp

rtsp attributes

```
POST /axapi/v3/fw/alg/rtsp
Payload:
{
    "rtsp": {
        "default-port-disable": "default-port-disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/alg/rtsp

rtsp attributes

```
GET /axapi/v3/fw/alg/rtsp
Reponse:
{
    "rtsp": {
        "default-port-disable": "default-port-disable",
        "uuid": "5882c5d8-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/fw/alg/rtsp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/alg/rtsp

rtsp attributes

Replace Object

PUT

/axapi/v3/fw/alg/rtsp

rtsp attributes

```
PUT /axapi/v3/fw/alg/rtsp
Payload:
{
    "rtsp": {
        "default-port-disable": "default-port-disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/alg/rtsp

rtsp attributes

```
DELETE /axapi/v3/fw/alg/rtsp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rtsp attributes

default-port-disable

Description 'default-port-disable': Disable RTSP ALG default port 554;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'transport-inserted': Transport Created; 'transport-freed': Transport Freed; 'transport-alloc-failure': Transport Alloc Failure; 'data-session-created': Data Session Created; 'data-session-freed': Data Session Freed; 'ext-creation-failure': Extension Creation Failure; 'transport-add-to-ext': Transport Added to Extension; 'transport-removed-from-ext': Transport Removed from Extension; 'transport-too-many': Too Many Transports for Control Conn; 'transport-already-in-ext': Transport Already in Extension; 'transport-exists': Transport Already Exists; 'transport-link-ext-failure-control': Transport Link to Extension Failure Control; 'transport-link-ext-data': Transport Link to Extension Data; 'transport-link-ext-failure-data': Transport Link to Extension Failure Data; 'transport-inserted-shadow': Transport Inserted Shadow; 'transport-creation-race': Transport Create Race; 'transport-alloc-failure-shadow': Transport Alloc Failure Shadow; 'transport-put-in-del-q': Transport Put in Delete Queue; 'transport-freed-shadow': Transport Freed Shadow; 'transport-acquired-from-control': Transport Acquired Control; 'transport-found-from-prev-control': Transport Found From Prev Control; 'transport-acquire-failure-from-control': Transport Acquire Failure Control; 'transport-released-from-control': Transport Released Control; 'transport-double-release-from-control': Transport Double Release Control; 'transport-acquired-from-data': Transport Acquired Data; 'transport-acquire-failure-from-data': Transport Acquire Failure Data; 'transport-released-from-data': Transport Released Data; 'transport-double-release-from-data': Transport Double Release Data; 'transport-retry-lookup-on-data-free': Transport Retry Lookup Data; 'transport-not-found-on-data-free': Transport Not Found Data; 'data-session-created-shadow': Data Session Created Shadow; 'data-session-freed-shadow': Data Session Freed Shadow; 'ha-control-ext-creation-failure': HA Control Extension Creation Failure; 'ha-control-session-created': HA Control Session Created; 'ha-data-session-created': HA Data Session Created;

Type: string

Supported Values: all, transport-inserted, transport-freed, transport-alloc-failure, data-session-created, data-session-freed, ext-creation-failure, transport-add-to-ext, transport-removed-from-ext, transport-too-many, transport-already-in-ext, transport-exists, transport-link-ext-failure-control, transport-link-ext-data, transport-link-ext-failure-data, transport-inserted-shadow, transport-creation-race, transport-alloc-failure-shadow, transport-put-in-del-q, transport-freed-shadow, transport-acquired-from-control, transport-found-from-prev-control, transport-acquire-failure-from-control, transport-released-from-control, transport-double-release-from-control, transport-acquired-from-data, transport-acquire-failure-from-data, transport-released-from-data, transport-double-release-from-data, transport-retry-lookup-on-data-free, transport-not-found-on-data-free, data-session-created-shadow, data-session-freed-shadow, ha-control-ext-creation-failure, ha-control-session-created, ha-data-session-created

stats data

	Counter	Size	Description
	data-session-created	8	Data Session Created
	transport-alloc-failure	8	Transport Alloc Failure
	data-session-freed	8	Data Session Freed
	transport-freed	8	Transport Freed
	transport-inserted	8	Transport Created

2.37.10 fw alg sip

Change Firewall SIP ALG Settings

sip Specification

Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/fw/alg/sip
Element Attributes	sip_attributes
Statistics Data URI	/axapi/v3/fw/alg/sip/stats
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg/sip

sip attributes

```
POST /axapi/v3/fw/alg/sip
Payload:
{
    "sip": {
        "default-port-disable": "default-port-disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/alg/sip

sip attributes

```
GET /axapi/v3/fw/alg/sip
Reponse:
{
    "sip": {
        "default-port-disable": "default-port-disable",
        "uuid": "5882c72c-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/fw/alg/sip"
    }
}
```

Modify Object

POST

/axapi/v3/fw/alg/sip

sip attributes

Replace Object

PUT

/axapi/v3/fw/alg/sip

sip attributes

```
PUT /axapi/v3/fw/alg/sip
Payload:
{
    "sip": {
        "default-port-disable": "default-port-disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/alg/sip

sip attributes

```
DELETE /axapi/v3/fw/alg/sip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip attributes

default-port-disable

Description 'default-port-disable': Disable SIP ALG default port 5060;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'stat-request': Request Received; 'stat-response': Response Received; 'method-register': Method REGISTER; 'method-invite': Method INVITE; 'method-ack': Method ACK; 'method-cancel': Method CANCEL; 'method-bye': Method BYE; 'method-port-config': Method OPTIONS; 'method-prack': Method PRACK; 'method-subscribe': Method SUBSCRIBE; 'method-notify': Method NOTIFY; 'method-publish': Method PUBLISH; 'method-info': Method INFO; 'method-refer': Method REFER; 'method-message': Method MESSAGE; 'method-update': Method UPDATE; 'method-unknown': Method Unknown; 'parse-error': Message Parse Error; 'keep-alive': Keep Alive; 'contact-error': Contact Process Error; 'sdp-error': SDP Process Error; 'rtp-port-no-op': RTP Port No Op; 'rtp-rtcp-port-success': RTP RTCP Port Success; 'rtp-port-failure': RTP Port Failure; 'rtcp-port-failure': RTCP Port Failure; 'contact-port-no-op': Contact Port No Op; 'contact-port-success': Contact Port Success; 'contact-port-failure': Contact Port Failure; 'contact-new': Contact Alloc; 'contact-alloc-failure': Contact Alloc Failure; 'contact-eim': Contact EIM; 'contact-eim-set': Contact EIM Set; 'rtp-new': RTP Alloc; 'rtp-alloc-failure': RTP Alloc Failure; 'rtp-eim': RTP EIM; 'helper-found': SMP Helper Conn Found; 'helper-created': SMP Helper Conn Created; 'helper-deleted': SMP Helper Conn Already Deleted; 'helper-freed': SMP Helper Conn Freed; 'helper-failure': SMP Helper Failure;

Type: string

Supported Values: all, stat-request, stat-response, method-register, method-invite, method-ack, method-cancel, method-bye, method-options, method-prack, method-subscribe, method-notify, method-publish, method-info, method-refer, method-message, method-update, method-unknown, parse-error, keep-alive, contact-error, sdp-error, rtp-port-no-op, rtp-rtcp-port-success, rtp-port-failure, rtcp-port-failure, contact-port-no-op, contact-port-success, contact-

port-failure, contact-new, contact-alloc-failure, contact-eim, contact-eim-set, rtp-new, rtp-alloc-failure, rtp-eim, helper-found, helper-created, helper-deleted, helper-freed, helper-failure

stats data

	Counter	Size	Description
	method-options	8	Method OPTIONS
	stat-request	8	Request Received
	method-publish	8	Method PUBLISH
	method-unknown	8	Method Unknown
	method-message	8	Method MESSAGE
	method-subscribe	8	Method SUBSCRIBE
	method-invite	8	Method INVITE
	method-register	8	Method REGISTER
	method-prack	8	Method PRACK
	method-notify	8	Method NOTIFY
	method-info	8	Method INFO
	method-ack	8	Method ACK
	method-refer	8	Method REFER
	stat-response	8	Response Received
	method-update	8	Method UPDATE
	method-bye	8	Method BYE
	method-cancel	8	Method CANCEL

2.37.11 fw alg tftp

Change Firewall TFTP ALG Settings

tftp Specification

Type	*Configuration Resource*
Element Name	tftp
Element URI	/axapi/v3/fw/alg/tftp
Element Attributes	tftp_attributes
Statistics Data URI	/axapi/v3/fw/alg/tftp/stats
Schema	`tftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/alg/tftp

tftp attributes

```
POST /axapi/v3/fw/alg/tftp
Payload:
{
    "tftp": {
        "default-port-disable": "default-port-disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/alg/tftp

tftp attributes

```
GET /axapi/v3/fw/alg/tftp
Reponse:
{
    "tftp": {
        "default-port-disable": "default-port-disable",
        "uuid": "5882c538-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/fw/alg/tftp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/alg/tftp

tftp attributes

Replace Object

PUT

/axapi/v3/fw/alg/tftp

tftp attributes

```
PUT /axapi/v3/fw/alg/tftp
Payload:
{
    "tftp": {
        "default-port-disable": "default-port-disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/alg/tftp

tftp attributes

```
DELETE /axapi/v3/fw/alg/tftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tftp attributes

default-port-disable

Description 'default-port-disable': Disable TFTP ALG default port 69;

Type: string

Supported Values: default-port-disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-created': TFTP Client Sessions Created; 'helper-created': TFTP Helper Sessions created; 'helper-freed': TFTP Helper Sessions freed; 'helper-freed-used': TFTP Helper Sessions freed used; 'helper-freed-unused': TFTP Helper Sessions freed unused; 'helper-already-used': TFTP Helper Session already used; 'helper-in-rml': TFTP Helper Session in Remove List;

Type: string

Supported Values: all, session-created, helper-created, helper-freed, helper-freed-used, helper-freed-unused, helper-already-used, helper-in-rml

stats data

	Counter	Size	Description
	session-created	8	TFTP Client Sessions Created

2.37.12 fw app

Show application firewall supported protocols

app Specification

Type	*Configuration Resource*
Element Name	app
Element URI	/axapi/v3/fw/app
Element Attributes	app_attributes
Statistics Data URI	/axapi/v3/fw/app/stats
Operational Data URI	/axapi/v3/fw/app/oper
Schema	`app schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/app

app attributes

Get Object

GET

/axapi/v3/fw/app

app attributes

Modify Object

POST

/axapi/v3/fw/app

app attributes

app attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dummy': Entry for a10countergen;

Type: string

Supported Values: all, dummy

stats data

	Counter	Size	Description
	dummy	8	Entry for a10countergen

operational data

	Counter	Size	Description
	category	string	category
	group-list		group-list
	contains	string	contains
	related	string	related

2.37.13 fw clear-session-filter

Enable clear L4 session filter for fw (Default: Disable)

clear-session-filter Specification

Type	*Configuration Resource*
Element Name	clear-session-filter
Element URI	/axapi/v3/fw/clear-session-filter
Element Attributes	clear-session-filter_attributes
Schema	`clear-session-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/clear-session-filter

clear-session-filter attributes

Get Object

GET

/axapi/v3/fw/clear-session-filter

clear-session-filter attributes

Modify Object

POST

/axapi/v3/fw/clear-session-filter

clear-session-filter attributes

Replace Object

PUT

/axapi/v3/fw/clear-session-filter

clear-session-filter attributes

Delete Object

DELETE

/axapi/v3/fw/clear-session-filter

clear-session-filter attributes

clear-session-filter attributes

status

Description 'disable': Disable clear L4 session filter for fw (Default: disabled); 'enable': Enable clear L4 session filter for fw;

Type: string

Supported Values: disable, enable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.14 fw ddos-protection

Configure FW DDoS Protection

ddos-protection Specification

Type	*Configuration Resource*
Element Name	ddos-protection
Element URI	/axapi/v3/fw/ddos-protection
Element Attributes	ddos-protection_attributes
Statistics Data URI	/axapi/v3/fw/ddos-protection/stats
Operational Data URI	/axapi/v3/fw/ddos-protection/oper
Schema	`ddos-protection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/ddos-protection

ddos-protection attributes

Get Object

GET

/axapi/v3/fw/ddos-protection

ddos-protection attributes

Modify Object

POST

/axapi/v3/fw/ddos-protection

ddos-protection attributes

Delete Object

DELETE

/axapi/v3/fw/ddos-protection

ddos-protection attributes

ddos-protection attributes

action

Description: action is a **JSON Block**. Please see below for *action*

Type: Object

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action

Specification	
Type	*object*

action-type

Description 'drop': Log, and drop all packets (default); 'redistribute-route': Log, Drop, and Notify upstream router to reroute the packets;

Type: string

Supported Values: drop, redistribute-route

Default: drop

expiration

Description To specify time in minutes to revert the action (Expiration time, in minutes (default is 5 mins))

Type: number

Range: 2-144000

Default: 5

expiration-route

Description To specify time in minutes to revert the action (Expiration time, in minutes (default is 60 mins))

Type: number

Range: 2-144000

Default: 60

remove-wait-timer

Description Max time to wait before removing IP from blackhole (Max value in seconds (default 300))

Type: number

Range: 0-300

Default: 300

route-map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

timer-multiply-max

Description To specify max value of timer multiplier for attacks lasted long time (Max value of timer multiplier (default is 6))

Type: number

Range: 1-100

Default: 6

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ddos_entries_too_many': Too many DDOS entries; 'ddos_entry_added': DDOS entry added; 'ddos_entry_removed': DDOS entry removed; 'ddos_entry_added_to_bgp': DDoS Entry added to BGP; 'ddos_entry_removed_from_bgp': DDoS Entry Removed from BGP; 'ddos_entry_add_to_bgp_failure': DDoS Entry BGP add failures; 'ddos_entry_remove_from_bgp_failure': DDOS entry BGP remove failures; 'ddos_packet_dropped': DDOS Packet Drop;

Type: string

Supported Values: all, ddos_entries_too_many, ddos_entry_added, ddos_entry_removed, ddos_entry_added_to_bgp, ddos_entry_removed_from_bgp, ddos_entry_add_to_bgp_failure, ddos_entry_remove_from_bgp_failure, ddos_packet_dropped

logging

Specification	
Type	*object*

enable-action

Description 'local': Enable local logs only; 'remote': Enable logging to remote server & IPFIX; 'both': Enable both local & remote logs;

Type: string

Supported Values: local, remote, both

Default: local

logging-action

Description 'enable': enable FW DDoS protection logging; 'disable': Disable both local & remote FW DDoS protection logging;

Type: string

Supported Values: enable, disable

Default: enable

stats data

	Counter	Size	Description
	ddos_entry_remove_from_bgp_failure	8	DDOS entry BGP remove failures
	ddos_entry_added	8	DDOS entry added
	ddos_entry_added_to_bgp	8	DDoS Entry added to BGP
	ddos_entry_removed_from_bgp	8	DDoS Entry Removed from BGP
	ddos_packet_dropped	8	DDOS Packet Drop
	ddos_entries_too_many	8	Too many DDOS entries
	ddos_entry_removed	8	DDOS entry removed
	ddos_entry_add_to_bgp_failure	8	DDoS Entry BGP add failures

operational data

	Counter	Size	Description
	entries-list		entries-list
	v4-netmask	ipv4-netmask-brief	v4-netmask
	v4-address	ipv4-address	v4-address
	v6-prefix	ipv6-address-plen	v6-prefix
	details	flag	details

2.37.15 fw full-cone-session

Full Cone Sessions

full-cone-session Specification

Type	*Configuration Resource*
Element Name	full-cone-session
Element URI	/axapi/v3/fw/full-cone-session
Element Attributes	full-cone-session_attributes
Operational Data URI	/axapi/v3/fw/full-cone-session/oper
Schema	`full-cone-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/full-cone-session

full-cone-session attributes

Get Object

GET

/axapi/v3/fw/full-cone-session

full-cone-session attributes

Modify Object

POST

/axapi/v3/fw/full-cone-session

full-cone-session attributes

Replace Object

PUT

/axapi/v3/fw/full-cone-session

full-cone-session attributes

Delete Object

DELETE

/axapi/v3/fw/full-cone-session

full-cone-session attributes

full-cone-session attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ipv4-addr	ipv4-address	ipv4-addr
	total	number	total
	ipv6-addr	ipv6-address	ipv6-addr
	session-list		session-list

2.37.16 fw global

Configure firewall parameters

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/fw/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/fw/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/global

global attributes

```
POST /axapi/v3/fw/global
Payload:
{
    "global": {
        "disable-ip-fw-sessions": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/global

global attributes

```
GET /axapi/v3/fw/global
Reponse:
{
    "global": {
        "disable-ip-fw-sessions": 1,
        "alg-processing": "honor-rule-set",
        "natip-ddos-protection": "enable",
        "listen-on-port-timeout": 2,
        "respond-to-user-mac": 0,
        "disable-application-metrics": 0,
        "uuid": "5882c1f0-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/fw/global"
    }
}
```

Modify Object

POST

/axapi/v3/fw/global

global attributes

Replace Object

PUT

/axapi/v3/fw/global

global attributes

```
PUT /axapi/v3/fw/global
Payload:
{
    "global": {
        "disable-ip-fw-sessions": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/global

global attributes

```
DELETE /axapi/v3/fw/global
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

global attributes

alg-processing

Description 'honor-rule-set': Honors firewall rule-sets; 'override-rule-set': Override firewall rule-sets;

Type: string

Supported Values: honor-rule-set, override-rule-set

Default: honor-rule-set

disable-app-list

Type: List

disable-application-metrics

Description Disable exporting application protocol/category statistics to Harmony Controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-ip-fw-sessions

Description disable create sessions for non TCP/UDP/ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended-matching

Description 'disable': Disable extended matching;

Type: string

Supported Values: disable

listen-on-port-timeout

Description STUN timeout (default: 2 minutes)

Type: number

Range: 0-60

Default: 2

natip-ddos-protection

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

permit-default-action

Description 'forward': Forward; 'next-service-mode': Service to be applied chosen based on configuration;

Type: string

Supported Values: forward, next-service-mode

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default: off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'tcp_fullcone_created': TCP Full-cone Created; 'tcp_fullcone_freed': TCP Full-cone Freed; 'udp_fullcone_created': UDP Full-cone Created; 'udp_fullcone_freed': UDP Full-cone Freed; 'fullcone_creation_failure': Full-Cone Creation Failure; 'data_session_created': Data Session Created; 'data_session_created_local': Data Session Created Local; 'data_session_freed': Data Session Freed; 'data_session_freed_local': Data Session Freed Local; 'fullcone_in_del_q': Full-cone session found in delete queue; 'fullcone_retry_lookup': Full-cone session retry look-up; 'fullcone_not_found': Full-cone session not found; 'fullcone_overflow_eim': Full-cone Session EIM Overflow; 'fullcone_overflow_eif': Full-cone Session EIF Overflow; 'udp_fullcone_created_shadow': Total UDP Full-cone sessions created; 'tcp_fullcone_created_shadow': Total TCP Full-cone sessions created; 'udp_fullcone_freed_shadow': Total UDP Full-cone sessions freed; 'tcp_fullcone_freed_shadow': Total TCP Full-cone sessions freed; 'fullcone_created': Total Full-cone sessions created; 'fullcone_freed': Total Full-cone sessions freed; 'fullcone_ext_too_many': Fullcone Extension Too Many; 'fullcone_ext_mem_allocated': Fullcone Extension Memory Allocated; 'fullcone_ext_mem_alloc_failure': Full-cone Extension Memory Allocate Failure; 'fullcone_ext_mem_alloc_init_faulure': Fullcone Extension Initialization Failure; 'fullcone_ext_mem_freed': Fullcone Extension Memory Freed; 'fullcone_ext_added': Fullcone Extension Added;

'ha_fullcone_failure': HA Full-cone Session Failure; 'data_session_created_shadow': Shadow Data Sessions Created; 'data_session_created_shadow_local': Shadow Data Sessions Created Local; 'data_session_freed_shadow': Shadow Data Sessions Freed; 'data_session_freed_shadow_local': Shadow Data Sessions Freed Local; 'active_fullcone_session': Total Active Full-cone sessions; 'limit-entry-failure': Limit Entry Creation Failure; 'limit-entry-allocated': Limit Entry Allocated; 'limit-entry-mem-freed': Limit Entry Freed; 'limit-entry-created': Limit Entry Created; 'limit-entry-found': Limit Entry Found; 'limit-entry-not-in-bucket': Limit Entry Not in Bucket; 'limit-entry-marked-deleted': Limit Entry Marked Deleted; 'invalid-lid-drop': Invalid Lid Drop; 'src-session-limit-exceeded': Concurrent Session Limit Exceeded; 'uplink-pps-limit-exceeded': Uplink PPS Limit Exceeded; 'downlink-pps-limit-exceeded': Downlink PPS Limit Exceeded; 'total-pps-limit-exceeded': Total PPS Limit Exceeded; 'uplink-throughput-limit-exceeded': Uplink Throughput Limit Exceeded; 'downlink-throughput-limit-exceeded': Downlink Throughput Limit Exceeded; 'total-throughput-limit-exceeded': Total Throughput Limit Exceeded; 'cps-limit-exceeded': Connections Per Second Limit Exceeded; 'limit-exceeded': Per Second Limit Exceeded (Deprecated); 'limit-entry-per-cpu-mem-allocated': Limit Entry Memory Allocated (Deprecated); 'limit-entry-per-cpu-mem-allocation-failed': Limit Entry Memory Allocation Failed (Deprecated); 'limit-entry-per-cpu-mem-freed': Limit Entry Memory Freed (Deprecated); 'alg_default_port_disable': Total ALG packets matching Default Port Disable; 'no_fwd_route': No Forward Route; 'no_rev_route': No Reverse Route; 'no_fwd_l2_dst': No Forward Mac Entry; 'no_rev_l2_dst': No Reverse Mac Entry; 'urpf_pkt_drop': URPF check packet drop; 'fwd_ingress_packets_tcp': Forward Ingress Packets TCP; 'fwd_egress_packets_tcp': Forward Egress Packets TCP; 'rev_ingress_packets_tcp': Reverse Ingress Packets TCP; 'rev_egress_packets_tcp': Reverse Egress Packets TCP; 'fwd_ingress_bytes_tcp': Forward Ingress Bytes TCP; 'fwd_egress_bytes_tcp': Forward Egress Bytes TCP; 'rev_ingress_bytes_tcp': Reverse Ingress Bytes TCP; 'rev_egress_bytes_tcp': Reverse Egress Bytes TCP; 'fwd_ingress_packets_udp': Forward Ingress Packets UDP; 'fwd_egress_packets_udp': Forward Egress Packets UDP; 'rev_ingress_packets_udp': Reverse Ingress Packets UDP; 'rev_egress_packets_udp': Reverse Egress Packets UDP; 'fwd_ingress_bytes_udp': Forward Ingress Bytes UDP; 'fwd_egress_bytes_udp': Forward Egress Bytes UDP; 'rev_ingress_bytes_udp': Reverse Ingress Bytes UDP; 'rev_egress_bytes_udp': Reverse Egress Bytes UDP; 'fwd_ingress_packets_icmp': Forward Ingress Packets ICMP; 'fwd_egress_packets_icmp': Forward Egress Packets ICMP; 'rev_ingress_packets_icmp': Reverse Ingress Packets ICMP; 'rev_egress_packets_icmp': Reverse Egress Packets ICMP; 'fwd_ingress_bytes_icmp': Forward Ingress Bytes ICMP; 'fwd_egress_bytes_icmp': Forward Egress Bytes ICMP; 'rev_ingress_bytes_icmp': Reverse Ingress Bytes ICMP; 'rev_egress_bytes_icmp': Reverse Egress Bytes ICMP; 'fwd_ingress_packets_others': Forward Ingress Packets OTHERS; 'fwd_egress_packets_others': Forward Egress Packets OTHERS; 'rev_ingress_packets_others': Reverse Ingress Packets OTHERS; 'rev_egress_packets_others': Reverse Egress Packets OTHERS; 'fwd_ingress_bytes_others': Forward Ingress Bytes OTHERS; 'fwd_egress_bytes_others': Forward Egress Bytes OTHERS; 'rev_ingress_bytes_others': Reverse Ingress Bytes OTHERS; 'rev_egress_bytes_others': Reverse Egress Bytes OTHERS; 'fwd_ingress_pkt_size_range1': Forward Ingress Packet size between 0 and 200; 'fwd_ingress_pkt_size_range2': Forward Ingress Packet size between 201 and 800; 'fwd_ingress_pkt_size_range3': Forward Ingress Packet size between 801 and 1550; 'fwd_ingress_pkt_size_range4': Forward Ingress Packet size between 1551 and 9000; 'fwd_egress_pkt_size_range1': Forward Egress Packet size between 0 and 200; 'fwd_egress_pkt_size_range2': Forward Egress Packet size between 201 and 800; 'fwd_egress_pkt_size_range3': Forward Egress Packet size between 801 and 1550; 'fwd_egress_pkt_size_range4': Forward Egress Packet size between 1551 and 9000; 'rev_ingress_pkt_size_range1': Reverse Ingress Packet size between 0 and 200; 'rev_ingress_pkt_size_range2': Reverse Ingress Packet size between 201 and 800; 'rev_ingress_pkt_size_range3': Reverse Ingress Packet size be-

tween 801 and 1550; 'rev_ingress_pkt_size_range4': Reverse Ingress Packet size between 1551 and 9000; 'rev_egress_pkt_size_range1': Reverse Egress Packet size between 0 and 200; 'rev_egress_pkt_size_range2': Reverse Egress Packet size between 201 and 800; 'rev_egress_pkt_size_range3': Reverse Egress Packet size between 801 and 1550; 'rev_egress_pkt_size_range4': Reverse Egress Packet size between 1551 and 9000;

Type: string

Supported Values: all, tcp_fullcone_created, tcp_fullcone_freed, udp_fullcone_created, udp_fullcone_freed, fullcone_creation_failure, data_session_created, data_session_created_local, data_session_freed, data_session_freed_local, fullcone_in_del_q, fullcone_retry_lookup, fullcone_not_found, fullcone_overflow_eim, fullcone_overflow_eif, udp_fullcone_created_shadow, tcp_fullcone_created_shadow, udp_fullcone_freed_shadow, tcp_fullcone_freed_shadow, fullcone_created, fullcone_freed, fullcone_ext_too_many, fullcone_ext_mem_allocated, fullcone_ext_mem_alloc_failure, fullcone_ext_mem_alloc_init_faulure, fullcone_ext_mem_freed, fullcone_ext_added, ha_fullcone_failure, data_session_created_shadow, data_session_created_shadow_local, data_session_freed_shadow, data_session_freed_shadow_local, active_fullcone_session, limit-entry-failure, limit-entry-allocated, limit-entry-mem-freed, limit-entry-created, limit-entry-found, limit-entry-not-in-bucket, limit-entry-marked-deleted, invalid-lid-drop, src-session-limit-exceeded, uplink-pps-limit-exceeded, downlink-pps-limit-exceeded, total-pps-limit-exceeded, uplink-throughput-limit-exceeded, downlink-throughput-limit-exceeded, total-throughput-limit-exceeded, cps-limit-exceeded, limit-exceeded, limit-entry-per-cpu-mem-allocated, limit-entry-per-cpu-mem-allocation-failed, limit-entry-per-cpu-mem-freed, alg_default_port_disable, no_fwd_route, no_rev_route, no_fwd_l2_dst, no_rev_l2_dst, urpf_pkt_drop, fwd_ingress_packets_tcp, fwd_egress_packets_tcp, rev_ingress_packets_tcp, rev_egress_packets_tcp, fwd_ingress_bytes_tcp, fwd_egress_bytes_tcp, rev_ingress_bytes_tcp, rev_egress_bytes_tcp, fwd_ingress_packets_udp, fwd_egress_packets_udp, rev_ingress_packets_udp, rev_egress_packets_udp, fwd_ingress_bytes_udp, fwd_egress_bytes_udp, rev_ingress_bytes_udp, rev_egress_bytes_udp, fwd_ingress_packets_icmp, fwd_egress_packets_icmp, rev_ingress_packets_icmp, rev_egress_packets_icmp, fwd_ingress_bytes_icmp, fwd_egress_bytes_icmp, rev_ingress_bytes_icmp, rev_egress_bytes_icmp, fwd_ingress_packets_others, fwd_egress_packets_others, rev_ingress_packets_others, rev_egress_packets_others, fwd_ingress_bytes_others, fwd_egress_bytes_others, rev_ingress_bytes_others, rev_egress_bytes_others, fwd_ingress_pkt_size_range1, fwd_ingress_pkt_size_range2, fwd_ingress_pkt_size_range3, fwd_ingress_pkt_size_range4, fwd_egress_pkt_size_range1, fwd_egress_pkt_size_range2, fwd_egress_pkt_size_range3, fwd_egress_pkt_size_range4, rev_ingress_pkt_size_range1, rev_ingress_pkt_size_range2, rev_ingress_pkt_size_range3, rev_ingress_pkt_size_range4, rev_egress_pkt_size_range1, rev_egress_pkt_size_range2, rev_egress_pkt_size_range3, rev_egress_pkt_size_range4

disable-app-list

Specification	
Type	*list*
Block object keys	

disable-application-category

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising':

Advertising networks and applications.; 'aetls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services;

'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, aetls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

disable-application-protocol

Description Disable specific application protocol

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	data_session_freed	8	Data Session Freed
	fwd_ingress_packets_others	8	Forward Ingress Packets OTHERS
	fwd_ingress_bytes_udp	8	Forward Ingress Bytes UDP
	udp_fullcone_freed	8	UDP Full-cone Freed
	fwd_ingress_bytes_others	8	Forward Ingress Bytes OTHERS
	rev_egress_pkt_size_range1	8	Reverse Egress Packet size between 0 and 200
	tcp_fullcone_created	8	TCP Full-cone Created
	fwd_ingress_packets_udp	8	Forward Ingress Packets UDP
	rev_egress_packets_tcp	8	Reverse Egress Packets TCP
	fwd_egress_packets_others	8	Forward Egress Packets OTHERS
	fwd_ingress_bytes_tcp	8	Forward Ingress Bytes TCP
	fwd_egress_packets_tcp	8	Forward Egress Packets TCP
	full-cone_creation_failure	8	Full-Cone Creation Failure
	rev_egress_bytes_tcp	8	Reverse Egress Bytes TCP
	fwd_egress_bytes_others	8	Forward Egress Bytes OTHERS
	fwd_egress_bytes_udp	8	Forward Egress Bytes UDP
	rev_egress_bytes_others	8	Reverse Egress Bytes OTHERS
	udp_fullcone_created	8	UDP Full-cone Created
	ac-tive_fullcone_session	8	Total Active Full-cone sessions
	rev_ingress_bytes_icmp	8	Reverse Ingress Bytes ICMP
	fwd_egress_bytes_icmp	8	Forward Egress Bytes ICMP
	rev_ingress_pkt_size_range4	8	Reverse Ingress Packet size between 1551 and 9000
	rev_ingress_packets_udp	8	Reverse Ingress Packets UDP
	rev_egress_bytes_icmp	8	Reverse Egress Bytes ICMP
	fwd_egress_pkt_size_range4	8	Forward Egress Packet size between 1551 and 9000
	rev_egress_pkt_size_range4	8	Reverse Egress Packet size between 1551 and 9000
	rev_egress_bytes_udp	8	Reverse Egress Bytes UDP
	fwd_ingress_bytes_icmp	8	Forward Ingress Bytes ICMP
	fwd_ingress_pkt_size_range4	8	Forward Ingress Packet size between 1551 and 9000
	rev_ingress_packets_icmp	8	Reverse Ingress Packets ICMP
	rev_ingress_packets_others	8	Reverse Ingress Packets OTHERS
	fwd_egress_pkt_size_range3	8	Forward Egress Packet size between 801 and 1550
	fwd_egress_pkt_size_range2	8	Forward Egress Packet size between 201 and 800
	fwd_egress_pkt_size_range1	8	Forward Egress Packet size between 0 and 200
	fwd_egress_packets_icmp	8	Forward Egress Packets ICMP
	limit-entry-created	8	Limit Entry Created
	fwd_ingress_packets_tcp	8	Forward Ingress Packets TCP
	rev_egress_packets_udp	8	Reverse Egress Packets UDP
	rev_egress_packets_icmp	8	Reverse Egress Packets ICMP
	fwd_ingress_pkt_size_range3	8	Forward Ingress Packet size between 801 and 1550
	fwd_ingress_pkt_size_range1	8	Forward Ingress Packet size between 0 and 200
	rev_egress_pkt_size_range3	8	Reverse Egress Packet size between 801 and 1550
	rev_egress_pkt_size_range2	8	Reverse Egress Packet size between 201 and 800
	data_session_freed_local	8	Data Session Freed Local

continues on next page

Table 2.12 – continued from previous page

	Counter	Size	Description
	fwd_egress_packets_udp	8	Forward Egress Packets UDP
	fwd_egress_bytes_tcp	8	Forward Egress Bytes TCP
	rev_egress_packets_others	8	Reverse Egress Packets OTHERS
	fwd_ingress_pkt_size_range2	8	Forward Ingress Packet size between 201 and 800
	data_session_created_local	8	Data Session Created Local
	data_session_created	8	Data Session Created
	rev_ingress_bytes_udp	8	Reverse Ingress Bytes UDP
	rev_ingress_packets_tcp	8	Reverse Ingress Packets TCP
	tcp_fullcone_freed	8	TCP Full-cone Freed
	rev_ingress_pkt_size_range2	8	Reverse Ingress Packet size between 201 and 800
	rev_ingress_pkt_size_range3	8	Reverse Ingress Packet size between 801 and 1550
	rev_ingress_pkt_size_range1	8	Reverse Ingress Packet size between 0 and 200
	limit-entry-marked-deleted	8	Limit Entry Marked Deleted
	rev_ingress_bytes_tcp	8	Reverse Ingress Bytes TCP
	fwd_ingress_packets_icmp	8	Forward Ingress Packets ICMP
	rev_ingress_bytes_others	8	Reverse Ingress Bytes OTHERS

2.37.17 fw gtp

Configure GTP

gtp Specification

Type	*Configuration Resource*
Element Name	gtp
Element URI	/axapi/v3/fw/gtp
Element Attributes	gtp_attributes
Statistics Data URI	/axapi/v3/fw/gtp/stats
Schema	`gtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/gtp

gtp attributes

Get Object

GET

/axapi/v3/fw/gtp

gtp attributes

Modify Object

POST

/axapi/v3/fw/gtp

gtp attributes

Replace Object

PUT

/axapi/v3/fw/gtp

gtp attributes

Delete Object

DELETE

/axapi/v3/fw/gtp

gtp attributes

gtp attributes

apn-log-periodicity

Description Periodic Logging Frequency(In Minutes)

Type: number

Range: 1-30

apn-prefix

Description: apn-prefix is a **JSON Block**. Please see below for *apn-prefix*

Type: Object

Refernce Object: */axapi/v3/fw/gtp/apn-prefix*

apn-prefix-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

echo-timeout

Description echo message timeout (minutes) (echo-timeout (default 2))

Type: number

Range: 1-261

Default: 2

gtp-value

Description 'enable': Enable GTP Inspection;

Type: string

Supported Values: enable

insertion-mode

Description 'monitor': Enable inline view-only mode; 'skip-state-checks': Enable skip stateful checks mode;

Type: string

Supported Values: monitor, skip-state-checks

ne-v4-log-periodicity

Description Periodic Logging Frequency(In Minutes)

Type: number

Range: 1-30

ne-v6-log-periodicity

Description Periodic Logging Frequency(In Minutes)

Type: number

Range: 1-30

network-element

Description: network-element is a **JSON Block**. Please see below for *network-element*

Type: Object

Refernce Object: */axapi/v3/fw/gtp/network-element*

network-element-list-v4

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

network-element-list-v6

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

path-mgmt-logging

Description 'enable-log': Enable Log for Path Management;

Type: string

Supported Values: enable-log

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network-element

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apn-prefix

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'create-session-request': Create Session Request; 'create-session-response': Create Session Response; 'path-management-message': Path Management Message; 'delete-session-request': Delete Session Request; 'delete-session-response': Delete Session Response; 'reserved-field-set-drop': Reserved field set drop; 'tunnel-id-flag-drop': Tunnel ID Flag Incorrect; 'message-filtering-drop': Message Filtering Drop; 'reserved-information-element-drop': Resevered Information Element Field Drop; 'mandatory-information-element-drop': Mandatory Information Element Field Drop; 'filter-list-drop':

APN IMSI Information Filtering Drop; 'invalid-teid-drop': Invalid TEID Drop; 'out-of-state-drop': Out Of State Drop; 'message-length-drop': Message Length Exceeded; 'unsupported-message-type-v2': GTP v2 message type is not supported; 'fast-conn-setup': Fast Conn Setup Attempt; 'out-of-session-memory': Out of Session Memory; 'no-fwd-route': No Forward Route; 'no-rev-route': NO Reverse Route; 'invalid-key': Invalid TEID Field; 'create-session-request-retransmit': Retransmitted Create Session Request; 'delete-session-request-retransmit': Retransmitted Delete Session Request; 'response-cause-not-accepted-drop': Response Cause indicates Request not Accepted; 'invalid-imsi-len-drop': Invalid IMSI Length Drop; 'invalid-apn-len-drop': Invalid APN Length Drop; 'create-pdp-context-request-v1': GTP v1 Create PDP Context Request; 'create-pdp-context-response-v1': GTP v1 Create PDP Context Response; 'path-management-message-v1': GTP v1 Path Management Message; 'reserved-field-set-drop-v1': GTP v1 Reserved field set drop; 'message-filtering-drop-v1': GTP v1 Message Filtering Drop; 'reserved-information-element-drop-v1': GTP v1 Reserved Information Element Field Drop; 'mandatory-information-element-drop-v1': GTP v1 Mandatory Information Element Field Drop; 'filter-list-drop-v1': GTP v1 APN IMSI Information Filtering Drop; 'invalid-teid-drop-v1': GTP v1 Invalid TEID Drop; 'message-length-drop-v1': GTP v1 Message Length Exceeded; 'version-not-supported': GTP version is not supported; 'unsupported-message-type-v1': GTP v1 message type is not supported; 'delete-pdp-context-request-v1': GTP v1 Delete Context PDP Request; 'delete-pdp-context-response-v1': GTP v1 Delete Context PDP Response; 'create-pdp-context-request-v0': GTP v0 Create PDP Context Request; 'create-pdp-context-response-v0': GTP v0 Create PDP Context Response; 'delete-pdp-context-request-v0': GTP v0 Delete Context PDP Request; 'delete-pdp-context-response-v0': GTP v0 Delete Context PDP Response; 'path-management-message-v0': GTP v0 Path Management Message; 'message-filtering-drop-v0': GTP v0 Message Filtering Drop; 'unsupported-message-type-v0': GTP v0 message type is not supported; 'invalid-flow-label-drop-v0': GTP v0 Invalid flow label drop; 'invalid-tid-drop-v0': GTP v0 Invalid tid drop; 'message-length-drop-v0': GTP v0 Message Length Exceeded; 'mandatory-information-element-drop-v0': GTP v0 Mandatory Information Element Field Drop; 'filter-list-drop-v0': GTP v0 APN IMSI Information Filtering Drop; 'gtp-in-gtp-drop': GTP in GTP Filtering Drop;

Type: string

Supported Values: all, out-of-session-memory, no-fwd-route, no-rev-route, gtp-smp-created, gtp-smp-marked-deleted, gtp-smp-deleted, smp-creation-failed, gtp-smp-path-created, gtp-smp-path-freed, gtp-smp-path-allocated, gtp-smp-path-creation-failed, gtp-tunnel-rate-limit-entry-create-success, gtp-tunnel-rate-limit-entry-create-failure, gtp-tunnel-rate-limit-entry-deleted, gtp-rate-limit-smp-created, gtp-rate-limit-smp-freed, gtp-rate-limit-smp-create-failure, gtp-rate-limit-t3-ctr-create-failure, gtp-rate-limit-entry-create-failure, gtp-echo-conn-created, gtp-echo-conn-deleted, gtp-node-restart-echo, gtp-c-echo-path-failure, drop-vld-gtp-echo-out-of-state-, drop-vld-gtp-echo-ie-len-exceed-msg-len, gtp-create-session-request-retransmit, gtp-add-bearer-request-retransmit, gtp-delete-session-request-retransmit, gtp-handover-request-retransmit, gtp-del-bearer-request-retransmit, gtp-add-bearer-response-retransmit, gtp-create-session-request-retx-drop, gtp-u-out-of-state-drop, gtp-c-handover-request-out-of-state-drop, gtp-v1-c-nsapi-not-found-in-delete-req, gtp-v2-c-bearer-not-found-in-delete-req, gtp-v2-c-bearer-not-found-in-delete-resp, gtp-multiple-handover-request, gtp-rr-message-drop, gtp-rr-echo-message-dcmsg, gtp-rr-c-message-dcmsg, drop-gtp-frag-or-jumbo-pkt, response-with-reject-cause-forwarded, gtp-c-message-forwarded-without-conn, gtp-v0-c-ver-not-supp, gtp-v1-c-ver-not-supp, gtp-v2-c-ver-not-supp, gtp-v1-extn-hdt-notif, gtp-u-error-ind, gtp-v0-c-uplink-ingress-packets, gtp-v0-c-uplink-egress-packets, gtp-v0-c-downlink-ingress-packets, gtp-v0-c-downlink-egress-packets, gtp-v0-c-uplink-ingress-bytes, gtp-v0-c-uplink-egress-bytes, gtp-v0-c-downlink-ingress-bytes, gtp-v0-c-downlink-egress-bytes, gtp-v1-c-uplink-ingress-packets, gtp-v1-c-uplink-egress-packets, gtp-v1-c-downlink-ingress-packets, gtp-v1-c-downlink-egress-packets, gtp-v1-c-uplink-ingress-bytes, gtp-v1-c-uplink-egress-bytes, gtp-v1-c-downlink-ingress-bytes, gtp-v1-c-

downlink-egress-bytes, gtp-v2-c-uplink-ingress-packets, gtp-v2-c-uplink-egress-packets, gtp-v2-c-downlink-ingress-packets, gtp-v2-c-downlink-egress-packets, gtp-v2-c-uplink-ingress-bytes, gtp-v2-c-uplink-egress-bytes, gtp-v2-c-downlink-ingress-bytes, gtp-v2-c-downlink-egress-bytes, gtp-u-uplink-ingress-packets, gtp-u-uplink-egress-packets, gtp-u-downlink-ingress-packets, gtp-u-downlink-egress-packets, gtp-u-uplink-ingress-bytes, gtp-u-uplink-egress-bytes, gtp-u-downlink-ingress-bytes, gtp-u-downlink-egress-bytes, gtp-v0-c-create-synced, gtp-v1-c-create-synced, gtp-v2-c-create-synced, gtp-v0-c-delete-synced, gtp-v1-c-delete-synced, gtp-v2-c-delete-synced, gtp-v0-c-create-sync-rx, gtp-v1-c-create-sync-rx, gtp-v2-c-create-sync-rx, gtp-v0-c-delete-sync-rx, gtp-v1-c-delete-sync-rx, gtp-v2-c-delete-sync-rx, gtp-handover-synced, gtp-handover-sync-rx, gtp-smp-add-bearer-synced, gtp-smp-del-bearer-synced, gtp-smp-additional-bearer-synced, gtp-smp-add-bearer-sync-rx, gtp-smp-del-bearer-sync-rx, gtp-smp-additional-bearer-sync-rx, gtp-add-bearer-sync-not-rx-on-standby, gtp-add-bearer-sync-with-periodic-update-on-standby, gtp-delete-bearer-sync-with-periodic-update-on-standby, gtp-v0-c-echo-create-synced, gtp-v1-c-echo-create-synced, gtp-v2-c-echo-create-synced, gtp-v0-c-echo-create-sync-rx, gtp-v1-c-echo-create-sync-rx, gtp-v2-c-echo-create-sync-rx, gtp-v0-c-echo-del-synced, gtp-v1-c-echo-del-synced, gtp-v2-c-echo-del-synced, gtp-v0-c-echo-del-sync-rx

counters2

Description 'gtp-ip-version-v4-v6': GTP IP versions of V4&V6 in FTEID; 'drop-gtp-ip-version-mismatch-fteid': GTP IP version mismatch for req & response FTEIDs; 'drop-gtp-ip-version-mismatch-ho-fteid': GTP IP version mismatch in Handover SGW FTEID; 'gtp-u-message-length-mismatch': GTP-U Message Length Mismatch Across Layers; 'gtp-path-message-length-mismatch': GTP-Path Message Length Mismatch Across Layers; 'drop-gtp-missing-cond-ie-bearer-ctx': Missing conditional IE in bearer context Drop; 'drop-gtp-bearer-not-found-in-resp': GTP Bearer not found in response; 'gtp-stateless-forward': GTP Stateless Forward; 'gtp-l3-conn-deleted': GTP L3 conn deleted; 'gtp-l5-conn-created': GTP L5 conn created;

Type: string

Supported Values: gtp-v1-c-echo-del-sync-rx, gtp-v2-c-echo-del-sync-rx, drop-gtp-conn-creation-standby, gtp-u-synced-before-control, gtp-c-l5-synced-before-l3, gtp-smp-path-del-synced, gtp-smp-path-del-sync-rx, gtp-not-enabled-on-standby, gtp-ip-version-v4-v6, drop-gtp-ip-version-mismatch-fteid, drop-gtp-ip-version-mismatch-ho-fteid, gtp-u-message-length-mismatch, gtp-path-message-length-mismatch, drop-gtp-missing-cond-ie-bearer-ctx, drop-gtp-bearer-not-found-in-resp, gtp-stateless-forward, gtp-l3-conn-deleted, gtp-l5-conn-created, gtp-monitor-forward, gtp-u_inner-ip-not-present, gtp-ext_hdr-incorrect-length

stats data

	Counter	Size	Description
	gtp-v0-c-downlink-ingress-packets	8	GTPv0-C Downlink Ingress Packets
	gtp-del-bearer-request-retransmit	8	GTP-C Retransmitted Delete Bearer Request

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Table 2.13 – continued from previous page

	Counter	Size	Description
	drop-vld-gtp-echo-out-of-state-	8	GTP Echo Out of State Drop
	gtp-add-bearer-response-retransmit	8	GTP-C Retransmitted Add Bearer Response
	gtp-path-message-length-mismatch	8	GTP-Path Message Length Mismatch Across Layers
	out-of-session-memory	8	Out of Session Memory
	drop-vld-gtp-echo-ie-len-exceed-msg-len	8	GTP Echo IE Length Exceeds Message Length
	gtp-v2-c-bearer-not-found-in-delete-resp	8	GTPv2-C Bearer Not Found in GTP Response
	drop-gtp-bearer-not-found-in-resp	8	GTP Bearer not found in response
	gtp-v1-c-downlink-ingress-bytes	8	GTPv1-C Downlink Ingress Bytes
	gtp-node-restart-echo	8	GTP Node Restoration due to Recovery IE in Echo
	gtp-v0-c-uplink-egress-packets	8	GTPv0-C Uplink Egress Packets
	gtp-u-uplink-ingress-bytes	8	GTP-U Uplink Ingress Bytes
	gtp-rate-limit-t3-ctr-create-failure	8	GTP Rate Limit Dynamic Counters Create Failure
	gtp-v0-c-uplink-ingress-packets	8	GTPv0-C Uplink Ingress Packets
	gtp-v0-c-downlink-egress-bytes	8	GTPv0-C Downlink Egress Bytes
	gtp-rr-message-drop	8	GTP Message Dropped in RR Mode

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Table 2.13 – continued from previous page

	Counter	Size	Description
	gtp-v0-c-downlink-egress-packets	8	GTPv0-C Downlink Egress Packets
	gtp-v1-c-uplink-ingress-bytes	8	GTPv1-C Uplink Ingress Bytes
	gtp-v1-c-uplink-egress-bytes	8	GTPv1-C Uplink Egress Bytes
	gtp-v0-c-downlink-ingress-bytes	8	GTPv0-C Downlink Ingress Bytes
	gtp-tunnel-rate-limit-entry-create-failure	8	GTP Tunnel Level Rate Limit Entry Create Failure
	gtp-v2-c-uplink-egress-packets	8	GTPv2-C Uplink Egress Packets
	gtp-v0-c-uplink-egress-bytes	8	GTPv0-C Uplink Egress Bytes
	no-fwd-route	8	No Forward Route
	gtp-v2-c-bearer-not-found-in-delete-req	8	GTPv2-C Bearer Not Found in GTP Request
	gtp-c-handover-request-out-of-state-drop	8	GTP-C Handover Request Out of state Drop
	gtp-u-uplink-egress-bytes	8	GTP-U Uplink Egress Bytes
	gtp-u-downlink-ingress-packets	8	GTP-U Downlink Ingress Packets
	gtp-c-echo-path-failure	8	GTP-C Path Failure due to Echo
	no-rev-route	8	NO Reverse Route
	gtp-u-downlink-egress-bytes	8	GTP-U Downlink Egress Bytes
	gtp-rate-limit-smp-create-failure	8	GTP Rate Limit SMP Create Failure

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Table 2.13 – continued from previous page

	Counter	Size	Description
	gtp-stateless-forward	8	GTP Stateless Forward
	gtp-monitor-forward	8	GTP messages forwarded via monitor mode
	gtp-v1-c-nsapi-not-found-in-delete-req	8	GTPv1-C NSAPI Not Found in GTP Request
	gtp-v2-c-downlink-ingress-packets	8	GTPv2-C Downlink Ingress Packets
	gtp-v2-c-downlink-egress-packets	8	GTPv2-C Downlink Egress Packets
	drop-gtp-frag-or-jumbo-pkt	8	GTP Fragmented or JUMBO packet Drop
	gtp-v0-c-uplink-ingress-bytes	8	GTPv0-C Uplink Ingress Bytes
	gtp-u-downlink-egress-packets	8	GTP-U Downlink Egress Packets
	gtp-v2-c-uplink-egress-bytes	8	GTPv2-C Uplink Egress Bytes
	drop-gtp-missing-cond-ie-bearer-ctx	8	Missing conditional IE in bearer context Drop
	gtp-u-out-of-state-drop	8	GTP-U Out of state Drop
	gtp-u-uplink-egress-packets	8	GTP-U Uplink Egress Packets
	gtp-u-downlink-ingress-bytes	8	GTP-U Downlink Ingress Bytes
	gtp-rate-limit-entry-create-failure	8	GTP Rate Limit Entry Create Failure
	gtp-u-uplink-ingress-packets	8	GTP-U Uplink Ingress Packets

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Table 2.13 – continued from previous page

	Counter	Size	Description
	gtp-v1-c-downlink-ingress-packets	8	GTPv1-C Downlink Ingress Packets
	gtp-v1-c-downlink-egress-packets	8	GTPv1-C Downlink Egress Packets
	gtp-v1-c-uplink-ingress-packets	8	GTPv1-C Uplink Ingress Packets
	gtp-v1-c-uplink-egress-packets	8	GTPv1-C Uplink Egress Packets
	gtp-u-message-length-mismatch	8	GTP-U Message Length Mismatch Across Layers
	gtp-v2-c-uplink-ingress-packets	8	GTPv2-C Uplink Ingress Packets
	gtp-v1-c-downlink-egress-bytes	8	GTPv1-C Downlink Egress Bytes
	gtp-v2-c-downlink-ingress-bytes	8	GTPv2-C Downlink Ingress Bytes
	gtp-v2-c-downlink-egress-bytes	8	GTPv2-C Downlink Egress Bytes
	gtp-v2-c-uplink-ingress-bytes	8	GTPv2-C Uplink Ingress Bytes

2.37.18 fw gtp apn-prefix

Dynamic GTP APN Prefix counters

apn-prefix Specification

Type	*Configuration Resource*
Element Name	apn-prefix
Element URI	/axapi/v3/fw/gtp/apn-prefix
Element Attributes	apn-prefix_attributes
Statistics Data URI	/axapi/v3/fw/gtp/apn-prefix/stats
Schema	`apn-prefix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/gtp/apn-prefix

apn-prefix attributes

Get Object

GET

/axapi/v3/fw/gtp/apn-prefix

apn-prefix attributes

Modify Object

POST

/axapi/v3/fw/gtp/apn-prefix

apn-prefix attributes

Replace Object

PUT

/axapi/v3/fw/gtp/apn-prefix

apn-prefix attributes

Delete Object

DELETE

/axapi/v3/fw/gtp/apn-prefix

apn-prefix attributes

apn-prefix attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	drop-rl-gtp-u-total-byte	8	Rate-limit Drop: GTP-U Total byte rate
	drop-vld-gtp-v0-c-message-with-teid-zero-expected	8	Validation Drop: GTPv0-C PDU Notification Request with TEID
	gtp-v2-c-packet-dummy-msisdn	8	GTPv2-C Packet With Dummy MSISDN Forwarded
	gtp-v0-c-reserved-message-allow	8	GTPv0-C Reserved Message Allow
	drop-vld-v2-reserved-message-drop	8	Validation Drop: GTPv2-C Reserved Message Drop
	gtp-v0-c-tunnel-closed	8	GTPv0-C Tunnel Marked Deleted
	drop-vld-out-of-state-ie	8	Validation Drop: Unexpected IE Present in Message
	drop-vld-out-of-order-ie	8	Validation Drop: GTPv1-C Message Out of Order IE
	gtp-v0-c-half-open-tunnel-closed	8	GTPv0-C Half open tunnel closed
	uplink-pkts	8	Uplink Packets
	drop-vld-gtp-v2-c-message-with-teid-zero-expected	8	Validation Drop: GTPv2-C Create Session Request with TEID
	drop-vld-gtp-v2-c-message-length-mismatch	8	Validation Drop: GTPv2-C Message Length Mismatch Across Layers
	gtp-v1-c-tunnel-deleted	8	GTPv1-C Tunnel Deleted
	gtp-v2-c-tunnel-closed	8	GTPv2-C Tunnel Marked Deleted

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Table 2.14 – continued from previous page

	Counter	Size	Description
	gtp-v1-c-tunnel-closed	8	GTPv1-C Tunnel Marked Deleted
	drop-rl-gtp-v2-c-create-session-request	8	Rate-limit Drop: GTPv2-C Create Session Req rate
	drop-flt-apn-filtering	8	Filtering Drop: APN IMSI Filtering
	drop-flt-rat-type-filtering	8	Filtering Drop: RAT Type Filtering
	drop-rl-gtp-u-downlink-packet	8	Rate-limit Drop: GTP-U Downlink packet rate
	drop-rl-gtp-u-uplink-packet	8	Rate-limit Drop: GTP-U Uplink packet rate
	gtp-v1-c-create-pdp-resp-unsuccess	8	GTPV1-C Create PDP Context Response Unsuccessful
	drop-vld-reserved-information-element	8	Validation Drop: Reserved IE Field Present
	drop-vld-gtp-u-spoofed-source-address	8	Validation Drop: GTP-U IP Address Spoofed
	gtp-v2-c-tunnel-half-open	8	GTPv2-C Tunnel Create Request
	drop-vld-protocol-flag-unset	8	Validation Drop: Protocol flag in Header Field not Set
	gtp-v0-c-pdu-notification-reject-request-forward	8	GTPv0-C PDU Notification Reject Request Forward
	gtp-v1-c-tunnel-half-open	8	GTPv1-C Tunnel Create Request
	gtp-v1-c-packet-dummy-msisdn	8	GTPv1-C Packet With Dummy MSISDN Forwarded

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Table 2.14 – continued from previous page

	Counter	Size	Description
	gtp-v2-c-tunnel-deleted-restart	8	GTPv2-C Tunnel Deleted with Restart/failure
	gtp-v1-c-tunnel-half-closed	8	GTPv1-C Tunnel Delete Request
	gtp-v0-c-message-skipped-apn-filtering-no-imsi	8	GTPv0-C APN/IMSI Filtering Skipped (No IMSI)
	drop-vld-gtp-v1-c-ie-len-exceed-msg-len	8	Validation Drop: GTPv1-C IE Length Exceeds Message Length
	drop-vld-gtpv1-subscriber-attr-miss	8	Validation Drop: GTPV1-c Subscriber Attributes Missing
	gtp-v2-c-tunnel-created	8	GTPv2-C Tunnel Created
	drop-vld-gtpv1-seqnum-buffer-full	8	Validation Drop: GTPV1-C conn Sequence number Buffer Full
	key-name	8	key-name
	drop-vld-gtp-v0-c-ie-len-exceed-msg-len	8	Validation Drop: GTPv0-C IE Length Exceeds Message Length
	drop-vld-gtpv0-seqnum-buffer-full	8	Validation Drop: GTPV0-C conn Sequence number Buffer Full
	downlink-bytes	8	Downlink Bytes
	gtp-v0-c-tunnel-created	8	GTPv0-C Tunnel Created
	drop-vld-invalid-teid	8	Validation Drop: Invalid TEID Value
	drop-rl-gtp-u-tunnel-create	8	Rate-limit Drop: GTP-U Tunnel Creation rate

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Table 2.14 – continued from previous page

	Counter	Size	Description
	drop-vld-country-code-mismatch	8	Validation Drop: Country Code Mismatch in IMSI and MSISDN
	drop-vld-gtp-v1-c-message-with-teid-zero-expected	8	Validation Drop: GTPv1-C PDU Notification Request with TEID
	gtp-v2-c-create-sess-resp-unsuccess	8	GTPV2-C Create Session Response Unsuccessful
	drop-flt-message-filtering	8	Filtering Drop: Message Type Not Permitted on Interface
	drop-vld-out-of-state	8	Validation Drop: Out Of State GTP Message
	drop-vld-version-not-supported	8	Validation Drop: Invalid GTP version
	drop-vld-gtp-v2-c-ie-len-exceed-msg-len	8	Validation Drop: GTPv2-C IE Length Exceeds Message Length
	drop-vld-sanity-failed-piggyback	8	Validation Drop: piggyback message anomaly failed
	drop-vld-reserved-field-set	8	Validation Drop: Reserved Header Field Set
	drop-rl-gtp-v1-c-agg	8	Rate-limit Drop: Maximum GTPv1-C messages rate
	drop-vld-gtp-v2-wrong-lbi-create-bearer-req	8	Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request
	drop-vld-gtp-invalid-apn-len-drop	8	Validation Drop: GTP-C Invalid APN Length Drop
	gtp-v1-c-pdu-notification-request-forward	8	GTPv1-C PDU Notification Request Forward
	drop-rl-gtp-v2-c-agg	8	Rate-limit Drop: Maximum GTPv2-C messages rate

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Table 2.14 – continued from previous page

	Counter	Size	Description
	drop-vld-gtp-v0-c-message-length-mismatch	8	Validation Drop: GTPv0-C Message Length Mismatch Across Layers
	drop-vld-v1-reserved-message-drop	8	Validation Drop: GTPv1-C Reserved Message Drop
	gtp-v1-c-reserved-message-allow	8	GTPv1-C Reserved Message Allow
	drop-vld-invalid-pkt-len-piggyback	8	Validation Drop: Piggyback message invalid packet length
	drop-rl-gtp-v1-c-create-pdp-request	8	Rate-limit Drop: GTPv1-C Create PDP Req rate
	gtp-v1-c-pdu-notification-reject-request-forward	8	GTPv1-C PDU Notification Reject Request Forward
	gtp-path-management-message	8	GTP Path Management Messages Received
	drop-vld-gtp-invalid-imsi-len-drop	8	Validation Drop: GTP-C Invalid IMSI Length Drop
	drop-vld-cross-layer-correlation	8	Validation Drop: Cross Layer IP Address Mismatch
	gtp-v2-c-reserved-message-allow	8	GTPv2-C Reserved Message Allow
	drop-vld-mandatory-information-element	8	Validation Drop: Mandatory IE Not Present
	drop-vld-gtp-v1-c-message-length-mismatch	8	Validation Drop: GTPv1-C Message Length Mismatch Across Layers

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Table 2.14 – continued from previous page

	Counter	Size	Description
	drop-vld-gtpv2-subscriber-attr-miss	8	Validation Drop: GTPV2-c Subscriber Attributes Missing
	gtp-v2-c-tunnel-half-closed	8	GTPv2-C Tunnel Delete Request
	drop-rl-gtp-v2-c-modify-bearer-request	8	Rate-limit Drop: GTPv2-C Modify Bearer Req rate
	drop-vld-gtp-bearer-count-exceed	8	Validation Drop: GTP Bearer count exceeded max (11)
	gtp-v0-c-update-pdp-resp-unsuccess	8	GTPV0-C Update PDP Context Response Unsuccessful
	gtp-v0-c-tunnel-half-closed	8	GTPv0-C Tunnel Delete Request
	drop-vld-gtp-v2-c-message-dropped-apn-filtering-no-apn	8	GTPv2-C APN/IMSI Filtering dropped (No APN)
	drop-vld-message-length	8	Validation Drop: Message Length Exceeded
	gtp-v1-c-tunnel-deleted-restart	8	GTPv1-C Tunnel Deleted with Restart/failure
	drop-vld-tunnel-id-flag	8	Validation Drop: Tunnel Header Flag Not Set
	gtp-v0-c-tunnel-half-open	8	GTPv0-C Tunnel Create Request
	gtp-u-tunnel-deleted	8	GTP-U Tunnel Deleted
	gtp-v1-c-tunnel-created	8	GTPv1-C Tunnel Created

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Table 2.14 – continued from previous page

	Counter	Size	Description
	drop-vld-gtp-v1-c-message-dropped-apn-filtering-no-apn	8	GTPv1-C APN/IMSI Filtering dropped (No APN)
	drop-rl-gtp-v1-c-update-pdp-request	8	Rate-limit Drop: GTPv1-C Update PDP Req rate
	drop-rl-gtp-u-total-packet	8	Rate-limit Drop: GTP-U Total packet rate
	gtp-v0-c-pdu-notification-request-forward	8	GTPv0-C PDU Notification Request Forward
	gtp-u-tunnel-created	8	GTP-U Tunnel Created
	gtp-v2-c-message-skipped-apn-filtering-no-imsi	8	GTPv2-C APN/IMSI Filtering Skipped (No IMSI)
	gtp-v1-c-message-skipped-apn-filtering-no-imsi	8	GTPv1-C APN/IMSI Filtering Skipped (No IMSI)
	drop-vld-gtp-c-handover-in-progress	8	Validation Drop: GTP-C Drop Since Handover In Progress
	gtp-v0-c-message-skipped-msisdn-filtering-no-msisdn	8	GTPv0-C MSISDN Filtering Skipped (No MSISDN)
	drop-vld-gtpv2-seqnum-buffer-full	8	Validation Drop: GTPV2-C conn Sequence number Buffer Full
	drop-rl-gtp-u-downlink-byte	8	Rate-limit Drop: GTP-U Downlink byte rate
	gtp-v2-c-mod_bearer-resp-unsuccess	8	GTPV2-C Modify Bearer Response Unsuccessful

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Table 2.14 – continued from previous page

	Counter	Size	Description
	drop-rl-gtp-u-uplink-byte	8	Rate-limit Drop: GTP-U Uplink byte rate
	gtp-v1-c-update-pdp-resp-unsuccess	8	GTPV1-C Update PDP Context response Unsuccessful
	drop-vld-invalid-flow-label-v0	8	Validation Drop: Invalid Flow Label in GTPv0-C Header
	gtp-v2-c-half-open-tunnel-closed	8	GTPv2-C Half open tunnel closed
	drop-flt-msisdn-filtering	8	Filtering Drop: MSISDN Filtering
	drop-vld-v0-reserved-message-drop	8	Validation Drop: GTPv0-C Reserved Message Drop
	drop-vld-gtpv0-subscriber-attr-miss	8	Validation Drop: GTPV0-c Subscriber Attributes Missing
	gtp-v0-c-tunnel-deleted	8	GTPv0-C Tunnel Deleted
	gtp-v0-c-create-pdp-resp-unsuccess	8	GTPV0-C Create PDP Context Response Unsuccessful
	drop-vld-gtp-v0-c-message-dropped-apn-filtering-no-apn	8	GTPv0-C APN/IMSI Filtering dropped (No APN)
	gtp-v0-c-packet-dummy-msisdn	8	GTPv0-C Packet With Dummy MSISDN Forwarded
	uplink-bytes	8	Uplink Bytes
	gtp-v1-c-half-open-tunnel-closed	8	GTPv1-C Half open tunnel closed
	gtp-v0-c-tunnel-deleted-restart	8	GTPv0-C Tunnel Deleted with Restart/failure

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Table 2.14 – continued from previous page

	Counter	Size	Description
	gtp-v2-c-message-skipped-msisdn-filtering-no-msisdn	8	GTPv2-C MSISDN Filtering Skipped (No MSISDN)
	drop-rl-gtp-v0-c-agg	8	Rate-limit Drop: Maximum GTPv0-C messages rate
	gtp-v1-c-message-skipped-msisdn-filtering-no-msisdn	8	GTPv1-C MSISDN Filtering Skipped (No MSISDN)
	drop-flt-gtp-in-gtp	8	Filtering Drop: GTP in GTP Tunnel Present
	drop-vld-unsupported-message-type	8	Validation Drop: Message type not supported in GTP-C
	drop-rl-gtp-u-max-concurrent-tunnels	8	Rate-limit Drop: GTP-U Concurrent Tunnels
	downlink-pkts	8	Downlink Packets
	gtp-v2-c-piggyback-message	8	GTPv2-C Piggyback Messages seen
	gtp-v2-c-tunnel-deleted	8	GTPv2-C Tunnel Deleted
	drop-vld-sequence-num-correlation	8	Validation Drop: GTP-C Sequence number Mismatch

2.37.19 fw gtp-in-gtp-filtering

Configure GTP in GTP filtering

gtp-in-gtp-filtering Specification

Type	*Configuration Resource*
Element Name	gtp-in-gtp-filtering
Element URI	/axapi/v3/fw/gtp-in-gtp-filtering
Element Attributes	gtp-in-gtp-filtering_attributes
Schema	`gtp-in-gtp-filtering schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/gtp-in-gtp-filtering

gtp-in-gtp-filtering attributes

Get Object

GET

/axapi/v3/fw/gtp-in-gtp-filtering

gtp-in-gtp-filtering attributes

Modify Object

POST

/axapi/v3/fw/gtp-in-gtp-filtering

gtp-in-gtp-filtering attributes

Replace Object

PUT

/axapi/v3/fw/gtp-in-gtp-filtering

gtp-in-gtp-filtering attributes

Delete Object

DELETE

/axapi/v3/fw/gtp-in-gtp-filtering

gtp-in-gtp-filtering attributes

gtp-in-gtp-filtering attributes

gtp-in-gtp-value

Description 'disable': Disable GTP in GTP filtering, (default:Enabled);

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.20 fw gtp network-element

Dynamic GTP Network Element Counters

network-element Specification

Type	*Configuration Resource*
Element Name	network-element
Element URI	/axapi/v3/fw/gtp/network-element
Element Attributes	network-element_attributes
Statistics Data URI	/axapi/v3/fw/gtp/network-element/stats
Schema	`network-element schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/gtp/network-element

network-element attributes

Get Object

GET

/axapi/v3/fw/gtp/network-element

network-element attributes

Modify Object

POST

/axapi/v3/fw/gtp/network-element

network-element attributes

Replace Object

PUT

/axapi/v3/fw/gtp/network-element

network-element attributes

Delete Object

DELETE

/axapi/v3/fw/gtp/network-element

network-element attributes

network-element attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	drop-rl-gtp-u-total-byte	8	Rate-limit Drop: GTP-U Total byte rate
	drop-vld-gtp-v0-c-message-with-teid-zero-expected	8	Validation Drop: GTPv0-C PDU Notification Request with TEID
	gtp-v2-c-packet-dummy-msisdn	8	GTPv0-C Packet With Dummy MSISDN Forwarded
	gtp-v0-c-reserved-message-allow	8	GTPv0-C Reserved Message Allow
	drop-vld-v2-reserved-message-drop	8	Validation Drop: GTPv2-C Reserved Message Drop
	gtp-v0-c-tunnel-closed	8	GTPv0-C Tunnel Marked Deleted
	drop-vld-out-of-state-ie	8	Validation Drop: Unexpected IE Present in Message
	drop-vld-out-of-order-ie	8	Validation Drop: GTPv1-C Message Out of Order IE
	gtp-v0-c-half-open-tunnel-closed	8	GTPv0-C Half open tunnel closed
	uplink-pkts	8	Uplink Packets
	drop-vld-gtp-v2-c-message-with-teid-zero-expected	8	Validation Drop: GTPv2-C Create Session Request with TEID

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Table 2.15 – continued from previous page

	Counter	Size	Description
	drop-vld-gtp-v2-c-message-length-mismatch	8	Validation Drop: GTPv2-C Message Length Mismatch Across Layers
	gtp-v1-c-tunnel-deleted	8	GTPv1-C Tunnel Deleted
	gtp-v2-c-tunnel-closed	8	GTPv2-C Tunnel Marked Deleted
	gtp-v1-c-tunnel-closed	8	GTPv1-C Tunnel Marked Deleted
	drop-rl-gtp-v2-c-create-session-request	8	Rate-limit Drop: GTPv2-C Create Session Req rate
	drop-flt-apn-filtering	8	Filtering Drop: APN IMSI Filtering
	drop-flt-rat-type-filtering	8	Filtering Drop: RAT Type Filtering
	drop-rl-gtp-u-downlink-packet	8	Rate-limit Drop: GTP-U Downlink packet rate
	drop-rl-gtp-u-uplink-packet	8	Rate-limit Drop: GTP-U Uplink packet rate
	gtp-v1-c-create-pdp-resp-unsuccess	8	GTPv1-C Create PDP Context Response Unsuccessful
	drop-vld-reserved-information-element	8	Validation Drop: Reserved IE Field Present
	drop-vld-gtp-u-spoofed-source-address	8	Validation Drop: GTP-U IP Address Spoofed
	gtp-v2-c-tunnel-half-open	8	GTPv2-C Tunnel Create Request
	drop-vld-protocol-flag-unset	8	Validation Drop: Protocol flag in Header Field not Set

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Table 2.15 – continued from previous page

	Counter	Size	Description
	gtp-v0-c-pdu-notification-reject-request-forward	8	GTPv0-C PDU Notification Reject Request Forward
	gtp-v1-c-tunnel-half-open	8	GTPv1-C Tunnel Create Request
	gtp-v1-c-packet-dummy-msisdn	8	GTPv0-C Packet With Dummy MSISDN Forwarded
	gtp-v2-c-tunnel-deleted-restart	8	GTPv2-C Tunnel Deleted with Restart/failure
	gtp-v1-c-tunnel-half-closed	8	GTPv1-C Tunnel Delete Request
	gtp-v0-c-message-skipped-apn-filtering-no-imsi	8	GTPv0-C APN/IMSI Filtering Skipped (No IMSI)
	drop-vld-gtp-v1-c-ie-len-exceed-msg-len	8	Validation Drop: GTPv1-C IE Length Exceeds Message Length
	drop-vld-gtpv1-subscriber-attr-miss	8	Validation Drop: GTPV1-c Subscriber Attributes Missing
	gtp-v2-c-tunnel-created	8	GTPv2-C Tunnel Created
	drop-vld-gtpv1-seqnum-buffer-full	8	Validation Drop: GTPV1-C conn Sequence number Buffer Full
	key-name	8	key-name
	drop-vld-gtp-v0-c-ie-len-exceed-msg-len	8	Validation Drop: GTPv0-C IE Length Exceeds Message Length
	drop-vld-gtpv0-seqnum-buffer-full	8	Validation Drop: GTPV0-C conn Sequence number Buffer Full

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Table 2.15 – continued from previous page

	Counter	Size	Description
	downlink-bytes	8	Downlink Bytes
	gtp-v0-c-tunnel-created	8	GTPv0-C Tunnel Created
	drop-vld-invalid-teid	8	Validation Drop: Invalid TEID Value
	drop-rl-gtp-u-tunnel-create	8	Rate-limit Drop: GTP-U Tunnel Creation rate
	drop-vld-country-code-mismatch	8	Validation Drop: Country Code Mismatch in IMSI and MSISDN
	drop-vld-gtp-v1-c-message-with-teid-zero-expected	8	Validation Drop: GTPv1-C PDU Notification Request with TEID
	gtp-v2-c-create-sess-resp-unsuccess	8	GTPv2-C Create Session Response Unsuccessful
	drop-flt-message-filtering	8	Filtering Drop: Message Type Not Permitted on Interface
	drop-vld-out-of-state	8	Validation Drop: Out Of State GTP Message
	drop-vld-version-not-supported	8	Validation Drop: Invalid GTP version
	drop-vld-gtp-v2-c-ie-len-exceed-msg-len	8	Validation Drop: GTPv2-C IE Length Exceeds Message Length
	drop-vld-sanity-failed-piggyback	8	Validation Drop: piggyback message anomaly failed
	drop-vld-reserved-field-set	8	Validation Drop: Reserved Header Field Set
	drop-rl-gtp-v1-c-agg	8	Rate-limit Drop: Maximum GTPv1-C messages rate
	drop-vld-gtp-v2-wrong-lbi-create-bearer-req	8	Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

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Table 2.15 – continued from previous page

	Counter	Size	Description
	drop-vld-gtp-invalid-apn-len-drop	8	Validation Drop: GTP-C Invalid APN Length Drop
	gtp-v1-c-pdu-notification-request-forward	8	GTPv1-C PDU Notification Request Forward
	drop-rl-gtp-v2-c-agg	8	Rate-limit Drop: Maximum GTPv2-C messages rate
	key-type	8	key-type
	drop-vld-gtp-v0-c-message-length-mismatch	8	Validation Drop: GTPv0-C Message Length Mismatch Across Layers
	drop-vld-v1-reserved-message-drop	8	Validation Drop: GTPv1-C Reserved Message Drop
	gtp-v1-c-reserved-message-allow	8	GTPv1-C Reserved Message Allow
	drop-vld-invalid-pkt-len-piggyback	8	Validation Drop: Piggyback message invalid packet length
	drop-rl-gtp-v1-c-create-pdp-request	8	Rate-limit Drop: GTPv1-C Create PDP Req rate
	gtp-v1-c-pdu-notification-reject-request-forward	8	GTPv1-C PDU Notification Reject Request Forward
	gtp-path-management-message	8	GTP Path Management Messages Received
	drop-vld-gtp-invalid-imsi-len-drop	8	Validation Drop: GTP-C Invalid IMSI Length Drop
	drop-vld-cross-layer-correlation	8	Validation Drop: Cross Layer IP Address Mismatch

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Table 2.15 – continued from previous page

	Counter	Size	Description
	gtp-v2-c-reserved-message-allow	8	GTPv2-C Reserved Message Allow
	drop-vld-mandatory-information-element	8	Validation Drop: Mandatory IE Not Present
	drop-vld-gtp-v1-c-message-length-mismatch	8	Validation Drop: GTPv1-C Message Length Mismatch Across Layers
	drop-vld-gtpv2-subscriber-attr-miss	8	Validation Drop: GTPV2-c Subscriber Attributes Missing
	gtp-v2-c-tunnel-half-closed	8	GTPv2-C Tunnel Delete Request
	drop-rl-gtp-v2-c-modify-bearer-request	8	Rate-limit Drop: GTPv2-C Modify Bearer Req rate
	gtp-v0-c-update-pdp-resp-unsuccess	8	GTPv0-C Update PDP Context Response Unsuccessful
	gtp-v0-c-tunnel-half-closed	8	GTPv0-C Tunnel Delete Request
	drop-vld-gtp-v2-c-message-dropped-apn-filtering-no-apn	8	Validation Drop: GTPv2-C APN/IMSI Filtering dropped (No APN)
	drop-vld-message-length	8	Validation Drop: Message Length Exceeded
	gtp-v1-c-tunnel-deleted-restart	8	GTPv1-C Tunnel Deleted with Restart/failure
	drop-vld-tunnel-id-flag	8	Validation Drop: Tunnel Header Flag Not Set
	gtp-v0-c-tunnel-half-open	8	GTPv0-C Tunnel Create Request

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Table 2.15 – continued from previous page

	Counter	Size	Description
	gtp-u-tunnel-deleted	8	GTP-U Tunnel Deleted
	gtp-v1-c-tunnel-created	8	GTPv1-C Tunnel Created
	gtp-node-restart-gtp-c	8	GTP Node Restoration due to Recovery IE in GTP-C Message
	drop-vld-gtp-v1-c-message-dropped-apn-filtering-no-apn	8	Validation Drop: GTPv1-C APN/IMSI Filtering dropped (No APN)
	drop-rl-gtp-v1-c-update-pdp-request	8	Rate-limit Drop: GTPv1-C Update PDP Req rate
	drop-rl-gtp-u-total-packet	8	Rate-limit Drop: GTP-U Total packet rate
	gtp-v0-c-pdu-notification-request-forward	8	GTPv0-C PDU Notification Request Forward
	gtp-u-tunnel-created	8	GTP-U Tunnel Created
	gtp-v2-c-message-skipped-apn-filtering-no-imsi	8	GTPv2-C APN/IMSI Filtering Skipped (No IMSI)
	drop_vld-gtp-bearer-count-exceed	8	Validation Drop: GTP Bearer count exceeded max (11)
	gtp-v1-c-message-skipped-apn-filtering-no-imsi	8	GTPv1-C APN/IMSI Filtering Skipped (No IMSI)
	drop-vld-gtp-c-handover-in-progress	8	Validation Drop: GTP-C Drop Since Handover In Progress
	gtp-v0-c-message-skipped-msisdn-filtering-no-msisdn	8	GTPv0-C MSISDN Filtering Skipped (No MSISDN)

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Table 2.15 – continued from previous page

	Counter	Size	Description
	drop-vld-gtpv2-seqnum-buffer-full	8	Validation Drop: GTPV2-C conn Sequence number Buffer Full
	drop-rl-gtp-u-downlink-byte	8	Rate-limit Drop: GTP-U Downlink byte rate
	gtp-v2-c-mod_bearer-resp-unsuccess	8	GTPv2-C Modify Bearer Response Unsuccessful
	drop-rl-gtp-u-uplink-byte	8	Rate-limit Drop: GTP-U Uplink byte rate
	gtp-v1-c-update-pdp-resp-unsuccess	8	GTPv1-C Update PDP Context Response Unsuccessful
	drop-vld-invalid-flow-label-v0	8	Validation Drop: Invalid Flow Label in GTPv0-C Header
	gtp-v2-c-half-open-tunnel-closed	8	GTPv2-C Half open tunnel closed
	drop-flt-msisdn-filtering	8	Filtering Drop: MSISDN Filtering
	drop-vld-v0-reserved-message-drop	8	Validation Drop: GTPv0-C Reserved Message Drop
	drop-vld-gtpv0-subscriber-attr-miss	8	Validation Drop: GTPV0-c Subscriber Attributes Missing
	gtp-v0-c-tunnel-deleted	8	GTPv0-C Tunnel Deleted
	gtp-v0-c-create-pdp-resp-unsuccess	8	GTPv0-C Create PDP Context Response Unsuccessful
	drop-vld-gtp-v0-c-message-dropped-apn-filtering-no-apn	8	Validation Drop: GTPv0-C APN/IMSI Filtering dropped (No APN)

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Table 2.15 – continued from previous page

	Counter	Size	Description
	gtp-v0-c-packet-dummy-msisdn	8	GTPv0-C Packet With Dummy MSISDN Forwarded
	uplink-bytes	8	Uplink Bytes
	gtp-v1-c-half-open-tunnel-closed	8	GTPv1-C Half open tunnel closed
	gtp-v0-c-tunnel-deleted-restart	8	GTPv0-C Tunnel Deleted with Restart/failure
	gtp-v2-c-message-skipped-msisdn-filtering-no-msisdn	8	GTPv2-C MSISDN Filtering Skipped (No MSISDN)
	drop-rl-gtp-v0-c-agg	8	Rate-limit Drop: Maximum GTPv0-C messages rate
	gtp-v1-c-message-skipped-msisdn-filtering-no-msisdn	8	GTPv1-C MSISDN Filtering Skipped (No MSISDN)
	drop-flt-gtp-in-gtp	8	Filtering Drop: GTP in GTP Tunnel Present
	drop-vld-unsupported-message-type	8	Validation Drop: Message type not supported by GTP Version
	drop-rl-gtp-u-max-concurrent-tunnels	8	Rate-limit Drop: GTP-U Concurrent Tunnels
	downlink-pkts	8	Downlink Packets
	gtp-v2-c-piggyback-message	8	GTPv2-C Piggyback Messages
	gtp-v2-c-tunnel-deleted	8	GTPv2-C Tunnel Deleted
	drop-vld-sequence-num-correlation	8	Validation Drop: GTP-C Sequence number Mismatch

2.37.21 fw gtp-v0

Configure GTP-v0

gtp-v0 Specification

Type	*Configuration Resource*
Element Name	gtp-v0
Element URI	/axapi/v3/fw/gtp-v0
Element Attributes	gtp-v0_attributes
Schema	`gtp-v0 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/gtp-v0

gtp-v0 attributes

Get Object

GET

/axapi/v3/fw/gtp-v0

gtp-v0 attributes

Modify Object

POST

/axapi/v3/fw/gtp-v0

gtp-v0 attributes

Replace Object

PUT

/axapi/v3/fw/gtp-v0

gtp-v0 attributes

Delete Object

DELETE

/axapi/v3/fw/gtp-v0

gtp-v0 attributes

gtp-v0 attributes

gtpv0-value

Description 'enable': Enable GTP v0 Inspection;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.22 fw helper-sessions

Configure firewall helper-session (TAC use only)

helper-sessions Specification

Type	*Configuration Resource*
Element Name	helper-sessions
Element URI	/axapi/v3/fw/helper-sessions
Element Attributes	helper-sessions_attributes
Schema	`helper-sessions schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/helper-sessions

helper-sessions attributes

```
POST /axapi/v3/fw/helper-sessions
Payload:
{
    "helper-sessions": {
        "mode": "disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/helper-sessions

helper-sessions attributes

```
GET /axapi/v3/fw/helper-sessions
Reponse:
{
    "helper-sessions": {
        "mode": "disable",
        "idle-timeout": 1,
        "uuid": "12227ba6-603c-11d9-add7-001fa00680a0",
        "a10-url": "/axapi/v3/fw/helper-sessions"
    }
}
```

Modify Object

POST

/axapi/v3/fw/helper-sessions

helper-sessions attributes

Replace Object

PUT

/axapi/v3/fw/helper-sessions

helper-sessions attributes

```
PUT /axapi/v3/fw/helper-sessions
Payload:
{
    "helper-sessions": {
        "mode": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/helper-sessions

helper-sessions attributes

```
DELETE /axapi/v3/fw/helper-sessions
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

helper-sessions attributes

idle-timeout

Description helper-sessions idle-timeout time (Idle-timeout in minutes (default: 1 minute))

Type: number

Range: 1-255

Default: 1

limit

Description Limit number of helper-sessions (Limit helper-sessions number)

Type: number

mode

Description 'disable': Disable helper-sessions;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.23 fw limit-entry

Rate Limit Information

limit-entry Specification

Type	*Configuration Resource*
Element Name	limit-entry
Element URI	/axapi/v3/fw/limit-entry
Element Attributes	limit-entry_attributes
Operational Data URI	/axapi/v3/fw/limit-entry/oper
Schema	`limit-entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/limit-entry

limit-entry attributes

Get Object

GET

/axapi/v3/fw/limit-entry

limit-entry attributes

Modify Object

POST

/axapi/v3/fw/limit-entry

limit-entry attributes

Replace Object

PUT

/axapi/v3/fw/limit-entry

limit-entry attributes

Delete Object

DELETE

/axapi/v3/fw/limit-entry

limit-entry attributes

limit-entry attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	prefix-len4	number	prefix-len4
	prefix-len6	number	prefix-len6
	limit-entry-list		limit-entry-list
	prefix6	ipv6-address	prefix6
	limit-entry-count	number	limit-entry-count
	prefix4	ipv4-address	prefix4

2.37.24 fw local-log

Enable local-log for Application Firewall

local-log Specification

Type	*Configuration Resource*
Element Name	local-log
Element URI	/axapi/v3/fw/local-log
Element Attributes	local-log_attributes
Schema	`local-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/local-log

local-log attributes

Get Object

GET

/axapi/v3/fw/local-log

local-log attributes

Modify Object

POST

/axapi/v3/fw/local-log

local-log attributes

Replace Object

PUT

/axapi/v3/fw/local-log

local-log attributes

Delete Object

DELETE

/axapi/v3/fw/local-log

local-log attributes

local-log attributes

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.25 fw logging

Bind a logging template to firewall

logging Specification

Type	*Configuration Resource*
Element Name	logging
Element URI	/axapi/v3/fw/logging
Element Attributes	logging_attributes
Statistics Data URI	/axapi/v3/fw/logging/stats
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/logging

logging attributes

Get Object

GET

/axapi/v3/fw/logging

logging attributes

Modify Object

POST

/axapi/v3/fw/logging

logging attributes

Replace Object

PUT

/axapi/v3/fw/logging

logging attributes

Delete Object

DELETE

/axapi/v3/fw/logging

logging attributes

logging attributes

gtp

Description: gtp is a **JSON Block**. Please see below for *gtp*

Type: Object

Refernce Object: */axapi/v3/fw/logging/gtp*

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/template/logging*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log_type_gtp_invalid_teid': Log Event Type GTP Invalid TEID; 'log_gtp_type_reserved_ie_present': Log Event Type GTP Reserved IE Present; 'log_type_gtp_mandatory_ie_missing': Log Event Type GTP Mandatory IE Missing; 'log_type_gtp_mandatory_ie_inside_grouped_ie_missing': Log Event Type GTP Mandatory IE Missing Inside Grouped IE; 'log_type_gtp_msisdn_filtering': Log Event Type GTP MSISDN Filtering; 'log_type_gtp_out_of_order_ie': Log Event Type GTP Out of Order IE V1; 'log_type_gtp_out_of_state_ie': Log Event Type GTP Out of State IE; 'log_type_enduser_ip_spoofed': Log Event Type GTP Enduser IP Spoofed; 'log_type_crosslayer_correlation': Log Event GTP Crosslayer Correlation; 'log_type_message_not_supported': Log Event GTP Reserved Message Found; 'log_type_out_of_state': Log Event GTP Out of State Message; 'log_type_max_msg_length': Log Event GTP Message Length Exceeded Max; 'log_type_gtp_message_filtering': Log Event Type GTP Message Filtering; 'log_type_gtp_apn_filtering': Log Event Type GTP Apn Filtering; 'log_type_gtp_rat_type_filtering': Log Event GTP RAT Type Filtering; 'log_type_country_code_mismatch': Log Event GTP Country Code Mismatch; 'log_type_gtp_in_gtp_filtering': Log Event GTP in GTP Filtering; 'log_type_gtp_node_restart': Log Event GTP SGW/PGW restarted; 'log_type_gtp_seq_num_mismatch': Log Event GTP Response Sequence number Mismatch; 'log_type_gtp_rate_limit_periodic': Log Event GTP Rate Limit Periodic; 'log_type_gtp_rate_limit_periodic': Log Event GTP Invalid message length across layers; 'log_type_gtp_rate_limit_periodic': Log Event GTP Protocol flag in header; 'log_type_gtp_rate_limit_periodic': Log Event GTP invalid spare bits in header; 'log_type_gtp_rate_limit_periodic': Log Event GTP invalid piggyback flag in header; 'log_type_gtp_rate_limit_periodic': Log Event invalid GTP version; 'log_type_gtp_rate_limit_periodic': Log Event mismatch of GTP message and ports;

Type: string

Supported Values: all, log_type_gtp_invalid_teid, log_gtp_type_reserved_ie_present, log_type_gtp_mandatory_ie_missing, log_type_gtp_mandatory_ie_inside_grouped_ie_missing, log_type_gtp_msisdn_filtering, log_type_gtp_out_of_order_ie, log_type_gtp_out_of_state_ie, log_type_enduser_ip_spoofed, log_type_crosslayer_correlation, log_type_message_not_supported, log_type_out_of_state, log_type_max_msg_length, log_type_gtp_message_filtering, log_type_gtp_apn_filtering, log_type_gtp_rat_type_filtering, log_type_country_code_mismatch, log_type_gtp_in_gtp_filtering, log_type_gtp_node_restart, log_type_gtp_seq_num_mismatch, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic,

log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log_message_sent': Log Packet Sent; 'log_type_reset': Log Event Type Reset; 'log_type_deny': Log Event Type Deny; 'log_type_session_closed': Log Event Type Session Close; 'log_type_session_opened': Log Event Type Session Open; 'rule_not_logged': Firewall Rule Not Logged; 'log-dropped': Log Packets Dropped; 'tcp-session-created': TCP Session Created; 'tcp-session-deleted': TCP Session Deleted; 'udp-session-created': UDP Session Created; 'udp-session-deleted': UDP Session Deleted; 'icmp-session-deleted': ICMP Session Deleted; 'icmp-session-created': ICMP Session Created; 'icmpv6-session-deleted': ICMPV6 Session Deleted; 'icmpv6-session-created': ICMPV6 Session Created; 'other-session-deleted': Other Session Deleted; 'other-session-created': Other Session Created; 'http-request-logged': HTTP Request Logged; 'http-logging-invalid-format': HTTP Logging Invalid Format Error; 'dcmsg_permit': Dcmsg Permit; 'alg_override_permit': Alg Override Permit; 'template_error': Template Error; 'ipv4-frag-applied': IPv4 Fragmentation Applied; 'ipv4-frag-failed': IPv4 Fragmentation Failed; 'ipv6-frag-applied': IPv6 Fragmentation Applied; 'ipv6-frag-failed': IPv6 Fragmentation Failed; 'out-of-buffers': Out of Buffers; 'add-msg-failed': Add Message to Buffer Failed; 'tcp-logging-conn-established': TCP Logging Conn Established; 'tcp-logging-conn-create-failed': TCP Logging Conn Create Failed; 'tcp-logging-conn-dropped': TCP Logging Conn Dropped; 'log-message-too-long': Log message too long; 'http-out-of-order-dropped': HTTP out-of-order dropped; 'http-alloc-failed': HTTP Request Info Allocation Failed; 'sctp-session-created': SCTP Session Created; 'sctp-session-deleted': SCTP Session Deleted; 'log_type_sctp_inner_proto_filter': Log Event Type SCTP Inner Proto Filter; 'tcp-logging-port-allocated': TCP Logging Port Allocated; 'tcp-logging-port-freed': TCP Logging Port Freed; 'tcp-logging-port-allocation-failed': TCP Logging Port Allocation Failed; 'iddos-blackhole-entry-create': iDDoS IP Entry Created; 'iddos-blackhole-entry-delete': iDDoS IP Entry Deleted; 'session-limit-exceeded': Session Limit Exceeded;

Type: string

Supported Values: all, log_message_sent, log_type_reset, log_type_deny, log_type_session_closed, log_type_session_opened, rule_not_logged, log-dropped, tcp-session-created, tcp-session-deleted, udp-session-created, udp-session-deleted, icmp-session-deleted, icmp-session-created, icmpv6-session-deleted, icmpv6-session-created, other-session-deleted, other-session-created, http-request-logged, http-logging-invalid-format, dcmsg_permit, alg_override_permit, template_error, ipv4-frag-applied, ipv4-frag-failed, ipv6-frag-applied, ipv6-frag-failed, out-of-buffers, add-msg-failed, tcp-logging-conn-established, tcp-logging-conn-create-failed, tcp-logging-conn-dropped, log-message-too-long, http-out-of-order-dropped, http-alloc-failed, sctp-session-created, sctp-session-deleted, log_type_sctp_inner_proto_filter, tcp-logging-port-allocated, tcp-logging-port-freed, tcp-logging-port-allocation-failed, iddos-blackhole-entry-create, iddos-blackhole-entry-delete, session-limit-exceeded

stats data

	Counter	Size	Description
	tcp-session-deleted	8	TCP Session Deleted
	icmpv6-session-created	8	ICMPV6 Session Created
	tcp-session-created	8	TCP Session Created
	sctp-session-created	8	SCTP Session Created
	iddos-blackhole-entry-delete	8	iDDoS IP Entry Deleted
	udp-session-created	8	UDP Session Created
	other-session-deleted	8	Other Session Deleted
	other-session-created	8	Other Session Created
	http-request-logged	8	HTTP Request Logged
	http-logging-invalid-format	8	HTTP Logging Invalid Format Error
	sctp-session-deleted	8	SCTP Session Deleted
	rule_not_logged	8	Firewall Rule Not Logged
	log_type_deny	8	Log Event Type Deny
	log_type_reset	8	Log Event Type Reset
	icmp-session-created	8	ICMP Session Created
	log_type_session_closed	8	Log Event Type Session Close
	icmpv6-session-deleted	8	ICMPV6 Session Deleted
	log_type_sctp_inner_proto_filter	8	Log Event Type SCTP Inner Proto Filter
	icmp-session-deleted	8	ICMP Session Deleted
	log_type_session_opened	8	Log Event Type Session Open
	log_message_sent	8	Log Packet Sent
	log-dropped	8	Log Packets Dropped
	udp-session-deleted	8	UDP Session Deleted
	iddos-blackhole-entry-create	8	iDDoS IP Entry Created
	session-limit-exceeded	8	Session Limit Exceeded

2.37.26 fw logging gtp

Counters for GTP Logging

gtp Specification

Type	*Configuration Resource*
Element Name	gtp
Element URI	/axapi/v3/fw/logging/gtp
Element Attributes	gtp_attributes
Statistics Data URI	/axapi/v3/fw/logging/gtp/stats
Schema	`gtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/logging/gtp

gtp attributes

Get Object

GET

/axapi/v3/fw/logging/gtp

gtp attributes

Modify Object

POST

/axapi/v3/fw/logging/gtp

gtp attributes

Replace Object

PUT

/axapi/v3/fw/logging/gtp

gtp attributes

Delete Object

DELETE

/axapi/v3/fw/logging/gtp

gtp attributes

gtp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log_type_gtp_invalid_teid': Log Event Type GTP Invalid TEID; 'log_gtp_type_reserved_ie_present': Log Event Type GTP Reserved IE Present; 'log_type_gtp_mandatory_ie_missing': Log Event Type GTP Mandatory IE Missing; 'log_type_gtp_msisdn_filtering': Log Event Type GTP MSISDN Filtering; 'log_type_gtp_out_of_order_ie': Log Event Type GTP Out of Order IE V1; 'log_type_gtp_out_of_state_ie': Log Event Type GTP Out of State IE; 'log_type_enduser_ip_spoofed': Log Event Type GTP Enduser IP Spoofed; 'log_type_crosslayer_correlation': Log Event GTP Crosslayer Correlation; 'log_type_message_not_supported': Log Event GTP Reserved Message Found; 'log_type_out_of_state': Log Event GTP Out of State Message; 'log_type_max_msg_length': Log Event GTP Message Length Exceeded Max; 'log_type_gtp_message_filtering': Log Event Type GTP Message Filtering; 'log_type_gtp_apn_filtering': Log Event Type GTP Apn Filtering; 'log_type_gtp_rat_type_filtering': Log Event GTP RAT Type Filtering; 'log_type_country_code_mismatch': Log Event GTP Country Code Mismatch; 'log_type_gtp_in_gtp_filtering': Log Event GTP in GTP Filtering; 'log_type_gtp_node_restart': Log Event GTP SGW/PGW restarted;

Type: string

Supported Values: all, log_type_gtp_invalid_teid, log_gtp_type_reserved_ie_present, log_type_gtp_mandatory_ie_missing, log_type_gtp_mandatory_ie_inside_grouped_ie_missing, log_type_gtp_msisdn_filtering, log_type_gtp_out_of_order_ie, log_type_gtp_out_of_state_ie, log_type_enduser_ip_spoofed, log_type_crosslayer_correlation, log_type_message_not_supported, log_type_out_of_state, log_type_max_msg_length, log_type_gtp_message_filtering, log_type_gtp_apn_filtering, log_type_gtp_rat_type_filtering, log_type_country_code_mismatch, log_type_gtp_in_gtp_filtering, log_type_gtp_node_restart, log_type_gtp_seq_num_mismatch, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic, log_type_gtp_rate_limit_periodic

stats data

	Counter	Size	Description
	log_type_enduser_ip_spoofed	8	Log Event Type GTP Enduser IP Spoofed
	log_type_gtp_node_restart	8	Log Event GTP SGW/PGW restarted
	log_type_gtp_mandatory_ie_inside_grouped_ie_missing	8	Log Event Type GTP Mandatory IE Missing Inside Grouped IE
	log_type_message_not_supported	8	Log Event GTP Reserved Message Found
	log_type_gtp_mandatory_ie_missing	8	Log Event Type GTP Mandatory IE Missing
	log_type_gtp_invalid_teid	8	Log Event Type GTP Invalid TEID
	log_type_gtp_message_filtering	8	Log Event Type GTP Message Filtering
	log_type_gtp_in_gtp_filtering	8	Log Event GTP in GTP Filtering
	log_type_gtp_msisdn_filtering	8	Log Event Type GTP MSISDN Filtering
	log_type_gtp_apn_filtering	8	Log Event Type GTP Apn Filtering
	log_type_gtp_out_of_state_ie	8	Log Event Type GTP Out of State IE
	log_type_country_code_mismatch	8	Log Event GTP Country Code Mismatch
	log_type_out_of_state	8	Log Event GTP Out of State Message
	log_type_max_msg_length	8	Log Event GTP Message Length Exceeded Max
	log_type_crosslayer_correlation	8	Log Event GTP Crosslayer Correlation
	log_gtp_type_reserved_ie_present	8	Log Event Type GTP Reserved IE Present
	log_type_gtp_rate_limit_periodic	8	Log Event mismatch of GTP message and ports
	log_type_gtp_seq_num_mismatch	8	Log Event GTP Response Sequence number Mismatch
	log_type_gtp_out_of_order_ie	8	Log Event Type GTP Out of Order IE V1
	log_type_gtp_rat_type_filtering	8	Log Event GTP RAT Type Filtering

2.37.27 fw per-instance

Dynamic FW per VRID/UserGroup counters

per-instance Specification

Type	*Configuration Resource*
Element Name	per-instance
Element URI	/axapi/v3/fw/per-instance
Element Attributes	per-instance_attributes
Statistics Data URI	/axapi/v3/fw/per-instance/stats
Schema	`per-instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/per-instance

per-instance attributes

Get Object

GET

/axapi/v3/fw/per-instance

per-instance attributes

Modify Object

POST

/axapi/v3/fw/per-instance

per-instance attributes

Replace Object

PUT

/axapi/v3/fw/per-instance

per-instance attributes

Delete Object

DELETE

/axapi/v3/fw/per-instance

per-instance attributes

per-instance attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	data_session_freed	8	Data Session Freed
	udp_fullcone_freed	8	UDP Full-cone Freed
	data_session_created	8	Data Session Created
	tcp_fullcone_created	8	TCP Full-cone Created
	tcp_fullcone_freed	8	TCP Full-cone Freed
	udp_fullcone_created	8	UDP Full-cone Created
	key-name	8	key-name

2.37.28 fw radius

Configure the Interaction with External RADIUS Servers

radius Specification

Type	*Intermediate Resource*
Element Name	radius
Element URI	/axapi/v3/fw/radius
Element Attributes	radius_attributes
Schema	`radius schema`

Operations Allowed:

Get Object

GET

/axapi/v3/fw/radius

radius_attributes

radius attributes

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Refernce Object: */axapi/v3/fw/radius/server*

server

Specification	
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default);

Type: string

Supported Values: ignore, delete-entry

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

server_remote

Specification	
Type	*object*

ip-list

Type: List

server_remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Table Full Dropped; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate

RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop;

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-created, smp-in-rml, smp-deleted, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

server_attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

2.37.29 fw radius server

Configure system as a RADIUS server

server Specification

Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/fw/radius/server
Element Attributes	server_attributes
Statistics Data URI	/axapi/v3/fw/radius/server/stats
Operational Data URI	/axapi/v3/fw/radius/server/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/radius/server

server attributes

Get Object

GET

/axapi/v3/fw/radius/server

server attributes

Modify Object

POST

/axapi/v3/fw/radius/server

server attributes

Replace Object

PUT

/axapi/v3/fw/radius/server

server attributes

Delete Object

DELETE

/axapi/v3/fw/radius/server

server attributes

server attributes

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default);

Type: string

Supported Values: ignore, delete-entry

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

remote

Specification	
Type	*object*

ip-list

Type: List

remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Table Full Dropped; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate

RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop;

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-created, smp-in-rml, smp-deleted, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

stats data

	Counter	Size	Description
	secret-not-configured-dropped	8	RADIUS Secret Not Configured Dropped
	smp-created	8	RADIUS SMP Created
	radius-request-dropped	8	RADIUS Request Dropped (Malformed Packet)
	imsi-received	8	IMSI Received
	invalid-key	8	Radius Request has Invalid Key Field
	request-bad-secret-dropped	8	RADIUS Request Bad Secret Dropped
	ha-standby-dropped	8	HA Standby Dropped
	custom-received	8	Custom attribute Received
	imei-received	8	IMEI Received
	request-no-key-vap-dropped	8	RADIUS Request No Key Attribute Dropped
	smp-deleted	8	RADIUS SMP Deleted
	radius-table-full	8	RADIUS Request Dropped (Table Full)
	msisdn-received	8	MSISDN Received
	request-malformed-dropped	8	RADIUS Request Malformed Dropped
	request-ignored	8	RADIUS Request Table Full Dropped
	ipv6-prefix-length-mismatch	8	Framed IPV6 Prefix Length Mismatch
	radius-request-received	8	RADIUS Request Received

operational data

	Counter	Size	Description
	radius-table-entries-list		radius-table-entries-list
	custom-attr-value	string	custom-attr-value
	starts-with	flag	starts-with
	custom-attr-name	string	custom-attr-name
	case-insensitive	flag	case-insensitive
	total-entries	number	total-entries

2.37.30 fw rate-limit

Rate Limit Information

rate-limit Specification

Type	*Configuration Resource*
Element Name	rate-limit
Element URI	/axapi/v3/fw/rate-limit
Element Attributes	rate-limit_attributes
Operational Data URI	/axapi/v3/fw/rate-limit/oper
Schema	`rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/rate-limit

rate-limit attributes

Get Object

GET

/axapi/v3/fw/rate-limit

rate-limit attributes

Modify Object

POST

/axapi/v3/fw/rate-limit

rate-limit attributes

Replace Object

PUT

/axapi/v3/fw/rate-limit

rate-limit attributes

Delete Object

DELETE

/axapi/v3/fw/rate-limit

rate-limit attributes

rate-limit attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	v4-netmask	ipv4-netmask-brief	v4-netmask
	v4-address	ipv4-address	v4-address
	v6-prefix	ipv6-address-plen	v6-prefix
	rate-limit-list		rate-limit-list

2.37.31 fw resource-usage

Firewall resource usage

resource-usage Specification

Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/fw/resource-usage
Element Attributes	resource-usage_attributes
Operational Data URI	/axapi/v3/fw/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/resource-usage

resource-usage attributes

Get Object

GET

/axapi/v3/fw/resource-usage

resource-usage attributes

Modify Object

POST

/axapi/v3/fw/resource-usage

resource-usage attributes

Replace Object

PUT

/axapi/v3/fw/resource-usage

resource-usage attributes

Delete Object

DELETE

/axapi/v3/fw/resource-usage

resource-usage attributes

resource-usage attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	fw-ip-range-total-count	number	fw-ip-range-total-count
	clause-per-obj-grp	flag	clause-per-obj-grp
	fw-rule-set-total-count	number	fw-rule-set-total-count
	fw-zone-total-count	number	fw-zone-total-count
	helper-sessions	flag	helper-sessions
	fw-rule-total-count	number	fw-rule-total-count
	fw-helper-sessions-current-count	number	fw-helper-sessions-current-count
	fw-ip-range-current-count	number	fw-ip-range-current-count
	zone	flag	zone
	clause-per-obj-grp-total-count	number	clause-per-obj-grp-total-count
	fw-object-group-total-count	number	fw-object-group-total-count
	fw-object-total-count	number	fw-object-total-count
	fw-rule-set-current-count	number	fw-rule-set-current-count
	ip-range	flag	ip-range
	fw-object-group-current-count	number	fw-object-group-current-count
	object	flag	object
	rule-set	flag	rule-set
	radius-table-total-count	number	radius-table-total-count
	clause-per-obj-grp-current-count	string	clause-per-obj-grp-current-count
	fw-rule-current-count	number	fw-rule-current-count
	radius-table-size	flag	radius-table-size
	radius-table-current-count	number	radius-table-current-count
	fw-helper-sessions-total-count	number	fw-helper-sessions-total-count
	rule	flag	rule
	fw-object-current-count	number	fw-object-current-count
	object-group	flag	object-group
	fw-zone-current-count	number	fw-zone-current-count

2.37.32 fw server

Firewall logging Server

server Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-list*
Collection URI	/axapi/v3/fw/server
Element Name	server
Element URI	/axapi/v3/fw/server/{name}
Element Attributes	server_attributes
Statistics Data URI	/axapi/v3/fw/server/{name}/stats
Operational Data URI	/axapi/v3/fw/server/{name}/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/server

server attributes

```
POST /axapi/v3/fw/server/
Payload:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/fw/server

server attributes

Get Object

GET

/axapi/v3/fw/server/{name}

server attributes

```
GET /axapi/v3/fw/server/a
Reponse:
{
```

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```
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1",
        "action": "enable",
        "health-check-disable": 0,
        "uuid": "ee24b862-603c-11d9-add7-001fa00680a0",
        "a10-url": "/axapi/v3/fw/server/a"
    }
}
```

Get List

GET

/axapi/v3/fw/server

server-list

Modify Object

POST

/axapi/v3/fw/server/{name}

server attributes

Replace Object

PUT

/axapi/v3/fw/server/{name}

server attributes

```
PUT /axapi/v3/fw/server/a
Payload:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1"
    }
}
```

Replace List

PUT

/axapi/v3/fw/server

server-list

Delete Object

DELETE

/axapi/v3/fw/server/{name}

server attributes

```
DELETE /axapi/v3/fw/server/a
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

...

]

server attributes

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server;

Type: string

Supported Values: enable, disable

Default: enable

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

host

Description IP Address

Type: string

Format: ipv4-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

port-list

Type: List

Refernce Object: */axapi/v3/fw/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl*

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total request success; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy Response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr-conn': Current connections; 'total-conn': Total connections; 'fwd-pkt': Forward packets; 'rev-pkt': Reverse Packets; 'peak-conn': Peak connections;

Type: string

Supported Values: all, curr-conn, total-conn, fwd-pkt, rev-pkt, peak-conn

stats data

	Counter	Size	Description
	peak-conn	8	Peak connections
	curr-conn	8	Current connections
	rev-pkt	8	Reverse Packets
	fwd-pkt	8	Forward packets
	total-conn	8	Total connections

operational data

	Counter	Size	Description
	state	enum	Output contains one of the following values: - UP, DOWN, DELETE, DISABLED, MAINTENANCE

2.37.33 fw server port

Real Server Port

port Specification

Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/fw/server/{name}/port
Element Name	port
Element URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Statistics Data URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/stats
Operational Data URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/server/{name}/port

port attributes

Create List

POST

/axapi/v3/fw/server/{name}/port

port attributes

Get Object

GET

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/fw/server/{name}/port

port-list

Modify Object

POST

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/fw/server/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl*

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total request success; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200;

'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy Response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time

stats data

	Counter	Size	Description
	es_resp_invalid_http	8	Total non-http response
	curr_req	8	Current requests
	total_rev_pkts_inspected_good_status_code	8	Total reverse packets with good status code inspected
	es_resp_count	8	Total proxy Response
	total_fwd_bytes	8	Forward bytes
	es_resp_other	8	Response status other
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Forward packets
	es_req_count	8	Total proxy request
	es_resp_500	8	Response status 500
	peak_conn	8	Peak connections
	total_req	8	Total requests
	es_resp_400	8	Response status 400
	es_resp_300	8	Response status 300
	curr_conn	8	Current connections
	es_resp_200	8	Response status 200
	total_rev_bytes	8	Reverse bytes
	response_time	8	Response time
	total_conn	8	Total connections
	total_rev_pkts	8	Reverse packets
	total_req_succ	8	Total request success
	last_total_conn	8	Last total connections
	total_rev_pkts_inspected	8	Total reverse packets inspected
	slowest_rsp_time	8	Slowest response time

operational data

	Counter	Size	Description
	alloc_failed	number	alloc_failed
	vrid	number	vrid
	ha_group_id	number	ha_group_id
	ip	ipv4-address	ip
	ports_consumed	number	ports_consumed
	state	enum	Output contains one of the following values: - UP, DOWN, DELETE, DISABLED, MAINTENANCE
	ipv6	ipv6-address	ipv6
	ports_freed_total	number	ports_freed_total
	ports_consumed_total	number	ports_consumed_total

2.37.34 fw service-group

Service Group

service-group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/fw/service-group
Element Name	service-group
Element URI	/axapi/v3/fw/service-group/{name}
Element Attributes	service-group_attributes
Statistics Data URI	/axapi/v3/fw/service-group/{name}/stats
Operational Data URI	/axapi/v3/fw/service-group/{name}/oper
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/service-group

service-group attributes

```
POST /axapi/v3/fw/service-group/
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "a"
```

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```
    }
}
```

Create List

POST

/axapi/v3/fw/service-group

service-group attributes

Get Object

GET

/axapi/v3/fw/service-group/{name}

service-group attributes

```
GET /axapi/v3/fw/service-group/a
Reponse:
{
    "service-group": {
        "name": "a",
        "protocol": "tcp",
        "traffic-replication-mirror-ip-repl": 0,
        "uuid": "472d73c2-603d-11d9-add7-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/fw/service-group/a"
    }
}
```

Get List

GET

/axapi/v3/fw/service-group

service-group-list

Modify Object

POST

/axapi/v3/fw/service-group/{name}

service-group attributes

Replace Object

PUT

/axapi/v3/fw/service-group/{name}

service-group attributes

```
PUT /axapi/v3/fw/service-group/a
Payload:
{
    "service-group": {
        "protocol": "tcp",
```

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```
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/fw/service-group

service-group-list

Delete Object

DELETE

/axapi/v3/fw/service-group/{name}

service-group attributes

```
DELETE /axapi/v3/fw/service-group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/health/monitor*

member-list

Type: List

Refernce Object: */axapi/v3/fw/service-group/{name}/member/{name}+{port}*

name

Description FW Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl*

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Service selection fail drop; 'server_selection_fail_reset': Service selection fail reset; 'service_peak_conn': Service peak connection;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn

member-list

Specification	
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/server*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Refernce Object: */axapi/v3/fw/server/port*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests success; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

stats data

	Counter	Size	Description
	server_selection_fail_drop	8	Service selection fail drop
	server_selection_fail_reset	8	Service selection fail reset
	service_peak_conn	8	Service peak connection

operational data

	Counter	Size	Description
	pri_affinity_priority	number	pri_affinity_priority
	stateless_type	number	stateless_type
	servers_down	number	servers_down
	servers_total	number	servers_total
	servers_disable	number	servers_disable
	stateless_state	number	stateless_state
	filter	enum	Output contains one of the following values: - sgm-sort-config
	stateless_current_rate	number	stateless_current_rate
	state	enum	Output contains one of the following values: - All Up, Functional Up, Partial Up, Down, Disabled, Unknown
	sgm-list		sgm-list
	servers_up	number	servers_up
	stateless_current_usage	number	stateless_current_usage
	hm_dsr_enable_all_vip	number	hm_dsr_enable_all_vip

2.37.35 fw service-group member

Service Group Member

member Specification

Type	*Collection*
Object Key(s)	*name, port*
Collection Name	*member-list*
Collection URI	/axapi/v3/fw/service-group/{name}/member
Element Name	member
Element URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}
Element Attributes	member_attributes
Statistics Data URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}/stats
Operational Data URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}/oper
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/service-group/{name}/member

member attributes

Create List

POST

/axapi/v3/fw/service-group/{name}/member

member attributes

Get Object

GET

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Get List

GET

/axapi/v3/fw/service-group/{name}/member

member-list

Modify Object

POST

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Replace Object

PUT

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Replace List

PUT

/axapi/v3/fw/service-group/{name}/member

member-list

Delete Object

DELETE

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/server*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Refernce Object: */axapi/v3/fw/server/port*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests success; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

stats data

	Counter	Size	Description
	curr_req	8	Current requests
	total_fwd_bytes	8	Total forward bytes
	curr_ssl_conn	8	Current SSL connections
	peak_conn	8	Peak connections
	total_req	8	Total requests
	total_conn	8	Total connections
	total_ssl_conn	8	Total SSL connections
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Total forward packets
	total_rev_pkts_inspected_status_code_non_5xx	8	Total reverse packets inspected status code non 5xx
	total_rev_pkts	8	Total reverse packets
	total_rev_pkts_inspected_status_code_2xx	8	Total reverse packets inspected status code 2xx
	total_req_succ	8	Total requests success
	state_flaps	8	State flaps count
	curr_conn	8	Current connections
	total_rev_pkts_inspected	8	Total reverse packets inspected
	curr_conn_overflow	8	Current connection counter overflow count
	total_rev_bytes	8	Total reverse bytes
	slowest_rsp_time	8	Slowest response time
	response_time	8	Response time

operational data

	Counter	Size	Description
	alt-list		alt-list
	hm-key	number	hm-key
	state	enum	Output contains one of the following values: - UP, DOWN, MAINTENANCE
	drs-list		drs-list
	hm-index	number	hm-index

2.37.36 fw session-aging

Session aging

session-aging Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*session-aging-list*
Collection URI	/axapi/v3/fw/session-aging
Element Name	session-aging
Element URI	/axapi/v3/fw/session-aging/{name}
Element Attributes	session-aging_attributes
Schema	`session-aging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/session-aging

session-aging attributes

```
POST /axapi/v3/fw/session-aging/
Payload:
{
    "session-aging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/fw/session-aging

session-aging attributes

Get Object

GET

/axapi/v3/fw/session-aging/{name}

session-aging attributes

```
GET /axapi/v3/fw/session-aging/a
Reponse:
{
    "session-aging": {
        "name": "a",
```

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```
        "icmp-idle-timeout": 2,
        "ip-idle-timeout": 30,
        "uuid": "8d5e55a0-603d-11d9-add7-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/fw/session-aging/a"
    }
}
```

Get List

GET

/axapi/v3/fw/session-aging

session-aging-list

Modify Object

POST

/axapi/v3/fw/session-aging/{name}

session-aging attributes

Replace Object

PUT

/axapi/v3/fw/session-aging/{name}

session-aging attributes

```
PUT /axapi/v3/fw/session-aging/a
Payload:
{
    "session-aging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/fw/session-aging

session-aging-list

Delete Object

DELETE

/axapi/v3/fw/session-aging/{name}

session-aging attributes

```
DELETE /axapi/v3/fw/session-aging/a
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

session-aging-list

session-aging-list is **JSON List** of *session-aging attributes*

session-aging-list : [

{ *session-aging attributes* },

{ *session-aging attributes* },

...

]

session-aging attributes

icmp-idle-timeout

Description Idle Timeout time (default 2 seconds) (Second, default 2)

Type: number

Range: 2-15000

Default: 2

ip-idle-timeout

Description Idle Timeout time(sec), default is 30 (Second)

Type: number

Range: 1-2097151

Default: 30

name

Description session-aging Template (session-aging Template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/fw/session-aging/{name}/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/fw/session-aging/{name}/udp*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	
Type	*object*

port-cfg

Type: List

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port-cfg

Specification	
Type	*list*
Block object keys	

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

udp-port

Description

Type: number

Range: 1-65535

tcp

Specification	
Type	*object*

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

port-cfg

Type: List

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

Default: 600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-cfg

Specification	
Type	*list*
Block object keys	

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

tcp-port

Description

Type: number

Range: 1-65535

2.37.37 fw session-aging tcp

TCP Aging options

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/fw/session-aging/{name}/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

Get Object

GET

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

Modify Object

POST

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

Delete Object

DELETE

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

tcp attributes

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

port-cfg

Type: List

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

Default: 600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-cfg

Specification	
Type	*list*
Block object keys	

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

tcp-port

Description

Type: number

Range: 1-65535

2.37.38 fw session-aging udp

UDP Aging options

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/fw/session-aging/{name}/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

Get Object

GET

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

Modify Object

POST

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

Replace Object

PUT

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

Delete Object

DELETE

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

udp attributes

port-cfg

Type: List

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-cfg

Specification	
Type	*list*
Block object keys	

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

udp-port

Description

Type: number

Range: 1-65535

2.37.39 fw status

Firewall status

status Specification

Type	*Configuration Resource*
Element Name	status
Element URI	/axapi/v3/fw/status
Element Attributes	status_attributes
Operational Data URI	/axapi/v3/fw/status/oper
Schema	`status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/status

status attributes

Get Object

GET

/axapi/v3/fw/status

status attributes

Modify Object

POST

/axapi/v3/fw/status

status attributes

Replace Object

PUT

/axapi/v3/fw/status

status attributes

Delete Object

DELETE

/axapi/v3/fw/status

status attributes

status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	previous-successful-compilation-duration	string	previous-successful-compilation-duration
	previous-successful-compilation-attempt	string	previous-successful-compilation-attempt
	most-recent-compilation-status	string	most-recent-compilation-status
	current-active-rule-set	string	current-active-rule-set
	most-recent-compilation-attempt	string	most-recent-compilation-attempt
	internal	flag	internal

2.37.40 fw system-status

Firewall system status

system-status Specification

Type	*Configuration Resource*
Element Name	system-status
Element URI	/axapi/v3/fw/system-status
Element Attributes	system-status_attributes
Operational Data URI	/axapi/v3/fw/system-status/oper
Schema	`system-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/system-status

system-status attributes

Get Object

GET

/axapi/v3/fw/system-status

system-status attributes

Modify Object

POST

/axapi/v3/fw/system-status

system-status attributes

Replace Object

PUT

/axapi/v3/fw/system-status

system-status attributes

Delete Object

DELETE

/axapi/v3/fw/system-status

system-status attributes

system-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	smp-sessions-free	number	smp-sessions-free
	radius-entries-free	number	radius-entries-free
	smp-sessions-used	number	smp-sessions-used
	data-sessions-free	number	data-sessions-free
	data-sessions-used	number	data-sessions-used
	radius-entries-used	number	radius-entries-used

2.37.41 fw tap-monitor

Configure tap monitor port

tap-monitor Specification

Type	*Configuration Resource*
Element Name	tap-monitor
Element URI	/axapi/v3/fw/tap-monitor
Element Attributes	tap-monitor_attributes
Schema	`tap-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tap-monitor

tap-monitor attributes

Get Object

GET

/axapi/v3/fw/tap-monitor

tap-monitor attributes

Modify Object

POST

/axapi/v3/fw/tap-monitor

tap-monitor attributes

Replace Object

PUT

/axapi/v3/fw/tap-monitor

tap-monitor attributes

Delete Object

DELETE

/axapi/v3/fw/tap-monitor

tap-monitor attributes

tap-monitor attributes

status

Description 'enable': Enable tap monitor mode; 'disable': Disable tap monitor mode (Default:Disable);

Type: string

Supported Values: enable, disable

Default: disable

tap-port-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tap-port-cfg

Specification	
Type	*list*
Block object keys	

tap-eth

Description Ethernet interface number

Type: number

Format: interface

tap-vlan

Description Vlan number

Type: number

Range: 2-4096

2.37.42 fw tcp

Firewall TCP parameters

tcp Specification

Type	*Intermediate Resource*
Element Name	tcp
Element URI	/axapi/v3/fw/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/fw/tcp

tcp_attributes

tcp attributes

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *mss-clamp*

Type: Object

Refernce Object: */axapi/v3/fw/tcp/mss-clamp*

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *reset-on-error*

Type: Object

Refernce Object: */axapi/v3/fw/tcp/reset-on-error*

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *syn-cookie*

Type: Object

Refernce Object: */axapi/v3/fw/tcp/syn-cookie*

mss-clamp

Specification	
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)}

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reset-on-error

Specification	
Type	*object*

enable

Description Enable send TCP reset on error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound

Description 'enable': Enable send TCP reset on error;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syn-cookie

Specification	
Type	*object*

sampling-enable

Type: List

syn-cookie-enable

Description Enable Firewall Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-on-threshold

Description on-threshold for Syn-cookie (Decimal number)

Type: number

Range: 1-1000000

syn-cookie-on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syn-cookie_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'syn_ack_sent': SYN cookie SYN ACK sent; 'verification_passed': SYN cookie verification passed; 'verification_failed': SYN cookie verification failed; 'conn_setup_failed': SYN cookie connection setup failed;

Type: string

Supported Values: all, syn_ack_sent, verification_passed, verification_failed, conn_setup_failed

2.37.43 fw tcp mss-clamp

FW TCP MSS Clamping

mss-clamp Specification

Type	*Configuration Resource*
Element Name	mss-clamp
Element URI	/axapi/v3/fw/tcp/mss-clamp
Element Attributes	mss-clamp_attributes
Schema	`mss-clamp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

Get Object

GET

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

Modify Object

POST

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

Replace Object

PUT

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

Delete Object

DELETE

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

mss-clamp attributes

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)}

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.44 fw tcp reset-on-error

Send TCP resets for invalid sessions (Default: Disabled)

reset-on-error Specification

Type	*Configuration Resource*
Element Name	reset-on-error
Element URI	/axapi/v3/fw/tcp/reset-on-error
Element Attributes	reset-on-error_attributes
Schema	`reset-on-error schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

Get Object

GET

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

Modify Object

POST

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

Replace Object

PUT

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

Delete Object

DELETE

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

reset-on-error attributes

enable

Description Enable send TCP reset on error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound

Description 'enable': Enable send TCP reset on error;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.45 fw tcp-rst-close-immediate

Configure TCP RST behavior

tcp-rst-close-immediate Specification

Type	*Configuration Resource*
Element Name	tcp-rst-close-immediate
Element URI	/axapi/v3/fw/tcp-rst-close-immediate
Element Attributes	tcp-rst-close-immediate_attributes
Schema	`tcp-rst-close-immediate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

Get Object

GET

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

Modify Object

POST

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

Replace Object

PUT

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

Delete Object

DELETE

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

tcp-rst-close-immediate attributes

status

Description 'enable': Enable TCP RST close immediate (default); 'disable': Disable TCP RST close immediate;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.46 fw tcp syn-cookie

Configure Firewall Syn-Cookie Protection

syn-cookie Specification

Type	*Configuration Resource*
Element Name	syn-cookie
Element URI	/axapi/v3/fw/tcp/syn-cookie
Element Attributes	syn-cookie_attributes
Statistics Data URI	/axapi/v3/fw/tcp/syn-cookie/stats
Schema	`syn-cookie schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

Get Object

GET

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

Modify Object

POST

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

Replace Object

PUT

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

Delete Object

DELETE

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

syn-cookie attributes

sampling-enable

Type: List

syn-cookie-enable

Description Enable Firewall Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-on-threshold

Description on-threshold for Syn-cookie (Decimal number)

Type: number

Range: 1-1000000

syn-cookie-on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'syn_ack_sent': SYN cookie SYN ACK sent; 'verification_passed': SYN cookie verification passed; 'verification_failed': SYN cookie verification failed; 'conn_setup_failed': SYN cookie connection setup failed;

Type: string

Supported Values: all, syn_ack_sent, verification_passed, verification_failed, conn_setup_failed

stats data

	Counter	Size	Description
	verification_failed	8	SYN cookie verification failed
	syn_ack_sent	8	SYN cookie SYN ACK sent
	verification_passed	8	SYN cookie verification passed

2.37.47 fw tcp-window-check

Configure TCP window check

tcp-window-check Specification

Type	*Configuration Resource*
Element Name	tcp-window-check
Element URI	/axapi/v3/fw/tcp-window-check
Element Attributes	tcp-window-check_attributes
Statistics Data URI	/axapi/v3/fw/tcp-window-check/stats
Schema	`tcp-window-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

```
POST /axapi/v3/fw/tcp-window-check
Payload:
{
    "tcp-window-check": {
        "status": "enable"
    }
}
```

Get Object

GET

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

```
GET /axapi/v3/fw/tcp-window-check
Reponse:
{
    "tcp-window-check": {
        "status": "enable",
        "uuid": "044a476e-c86b-11e9-ba2d-9778838992f8",
        "a10-url": "/axapi/v3/fw/tcp-window-check"
    }
}
```

Modify Object

POST

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

Replace Object

PUT

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

```
PUT /axapi/v3/fw/tcp-window-check
Payload:
{
    "tcp-window-check": {
        "sampling-enable": [
            {
                "counters1": "outside-window"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

```
DELETE /axapi/v3/fw/tcp-window-check
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp-window-check attributes

sampling-enable

Type: List

status

Description 'enable': Enable TCP window check (default); 'disable': Disable TCP window check;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outside-window': packet dropped for outside of tcp window;

Type: string

Supported Values: all, outside-window

stats data

	Counter	Size	Description
	outside-window	8	packet dropped counter for outside of tcp window

2.37.48 fw template

Define a FW template

template Specification

Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/fw/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/fw/template

template_attributes

template attributes

logging-list

Type: List

Refernce Object: */axapi/v3/fw/template/logging/{name}*

logging-list

Specification	
Type	*list*
Block object keys	

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0':

16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'ascii': A10 Text logging format (ASCII); 'cef': Common Event Format for logging (default);

Type: string

Supported Values: ascii, cef

Default: cef

include-dest-fqdn

Description Include destination FQDN string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Description: include-http is a **JSON Block**. Please see below for *logging-list_include-http*

Type: Object

include-radius-attribute

Description: include-radius-attribute is a **JSON Block**. Please see below for *logging-list_include-radius-attribute*

Type: Object

log

Description: log is a **JSON Block**. Please see below for *logging-list_log*

Type: Object

merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resolution

Description 'seconds': Logging timestamp resolution in seconds (default); '10-milliseconds': Logging timestamp resolution in 10s of milli-seconds;

Type: string

Supported Values: seconds, 10-milliseconds

Default: seconds

rule

Description: rule is a **JSON Block**. Please see below for *logging-list_rule*

Type: Object

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/service-group*

severity

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: informational

source-address

Description: source-address is a **JSON Block**. Please see below for *logging-list_source-address*

Type: Object

Refernce Object: */axapi/v3/fw/template/logging/{name}/source-address*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_source-address

Specification	
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_include-radius-attribute

Specification	
Type	*object*

attr-cfg

Type: List

framed-ipv6-prefix

Description Include radius attributes for the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-if-not-existing

Description Configure what string is to be inserted for custom RADIUS attributes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-quote

Description No quotation marks for RADIUS attributes in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

zero-in-custom-attr

Description Insert 0000 for standard and custom attributes in log string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_include-radius-attribute_attr-cfg

Specification	
Type	*list*
Block object keys	

attr

Description 'imei': Include IMEI; 'imsi': Include IMSI; 'msisdn': Include MSISDN; 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

attr-event

Description 'http-requests': Include in HTTP request logs; 'sessions': Include in session logs;

Type: string

Supported Values: http-requests, sessions, limit-policy

logging-list_rule

Specification	
Type	*object*

rule-http-requests

Description: rule-http-requests is a **JSON Block**. Please see below for *logging-list_rule_rule-http-requests*

Type: Object

logging-list_rule_rule-http-requests

Specification	
Type	*object*

dest-port

Type: List

disable-sequence-check

Description Disable http packet sequence check and don't drop out of order packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-all-headers

Description Include all configured headers despite of absence in HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-every-http-request

Description Log every HTTP request in an HTTP 1.1 session (Default: Log the first HTTP request in a session)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-len

Description Max length of URL log (Max URL length (Default: 100 char))

Type: number

Range: 100-1000

Default: 128

logging-list_rule_rule-http-requests_dest-port

Specification	
Type	*list*
Block object keys	

dest-port-number

Description

Type: number

Range: 1-65535

include-byte-count

Description Include the byte count of HTTP Request/Response in FW session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_include-http

Specification	
Type	*object*

file-extension

Description HTTP file extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-cfg

Type: List

l4-session-info

Description Log the L4 session information of the HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Log the HTTP Request Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-number

Description HTTP Request Number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_include-http_header-cfg

Specification	
Type	*list*
Block object keys	

custom-header-name

Description Header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

custom-max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

http-header

Description 'cookie': Log HTTP Cookie Header; 'referer': Log HTTP Referer Header; 'user-agent': Log HTTP User-Agent Header; 'header1': Log HTTP Header 1; 'header2': Log HTTP Header 2; 'header3': Log HTTP Header 3;

Type: string

Supported Values: cookie, referer, user-agent, header1, header2, header3

max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

logging-list_log

Specification	
Type	*object*

http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

2.37.49 fw template logging

Logging Template

logging Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-list*
Collection URI	/axapi/v3/fw/template/logging
Element Name	logging
Element URI	/axapi/v3/fw/template/logging/{name}
Element Attributes	logging_attributes
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging

logging attributes

```
POST /axapi/v3/fw/template/logging/
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/fw/template/logging

logging attributes

Get Object

GET

/axapi/v3/fw/template/logging/{name}

logging attributes

```
GET /axapi/v3/fw/template/logging/a
Reponse:
{
    "logging": {
        "name": "a",
        "resolution": "seconds",
        "include-dest-fqdn": 0,
        "merged-style": 0,
        "include-radius-attribute": {
            "no-quote": 0,
            "framed-ipv6-prefix": 0,
            "insert-if-not-existing": 0
        },
        "include-http": {
            "l4-session-info": 0,
            "method": 0,
            "request-number": 0,
            "file-extension": 0
        },
        "rule": {
            "rule-http-requests": {
                "log-every-http-request": 0,
                "max-url-len": 128,
                "include-all-headers": 0,
                "disable-sequence-check": 0
            }
        },
        "facility": "local0",
        "severity": "informational",
        "format": "cef",
        "uuid": "6ef32cca-603e-11d9-add7-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/fw/template/logging/a"
    }
}
```

Get List

GET

/axapi/v3/fw/template/logging

logging-list

Modify Object

POST

/axapi/v3/fw/template/logging/{name}

logging attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}

logging attributes

```
PUT /axapi/v3/fw/template/logging/a
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/fw/template/logging

logging-list

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}

logging attributes

```
DELETE /axapi/v3/fw/template/logging/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

logging-list

logging-list is **JSON List** of *logging attributes*

logging-list : [

{ *logging attributes* },

{ *logging attributes* },

...

]

logging attributes

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'ascii': A10 Text logging format (ASCII); 'cef': Common Event Format for logging (default);

Type: string

Supported Values: ascii, cef

Default: cef

include-dest-fqdn

Description Include destination FQDN string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Description: include-http is a **JSON Block**. Please see below for *include-http*

Type: Object

include-radius-attribute

Description: include-radius-attribute is a **JSON Block**. Please see below for *include-radius-attribute*

Type: Object

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resolution

Description 'seconds': Logging timestamp resolution in seconds (default); '10-milliseconds': Logging timestamp resolution in 10s of milli-seconds;

Type: string

Supported Values: seconds, 10-milliseconds

Default: seconds

rule

Description: rule is a **JSON Block**. Please see below for *rule*

Type: Object

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/fw/service-group*

severity

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: informational

source-address

Description: source-address is a **JSON Block**. Please see below for *source-address*

Type: Object

Refernce Object: */axapi/v3/fw/template/logging/{name}/source-address*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-address

Specification	
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

include-radius-attribute

Specification	
Type	*object*

attr-cfg

Type: List

framed-ipv6-prefix

Description Include radius attributes for the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-if-not-existing

Description Configure what string is to be inserted for custom RADIUS attributes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-quote

Description No quotation marks for RADIUS attributes in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

zero-in-custom-attr

Description Insert 0000 for standard and custom attributes in log string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-radius-attribute_attr-cfg

Specification	
Type	*list*
Block object keys	

attr

Description 'imei': Include IMEI; 'imsi': Include IMSI; 'msisdn': Include MSISDN; 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

attr-event

Description 'http-requests': Include in HTTP request logs; 'sessions': Include in session logs;

Type: string

Supported Values: http-requests, sessions, limit-policy

rule

Specification	
Type	*object*

rule-http-requests

Description: rule-http-requests is a **JSON Block**. Please see below for *rule_rule-http-requests*

Type: Object

rule_rule-http-requests

Specification	
Type	*object*

dest-port

Type: List

disable-sequence-check

Description Disable http packet sequence check and don't drop out of order packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-all-headers

Description Include all configured headers despite of absence in HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-every-http-request

Description Log every HTTP request in an HTTP 1.1 session (Default: Log the first HTTP request in a session)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-len

Description Max length of URL log (Max URL length (Default: 100 char))

Type: number

Range: 100-1000

Default: 128

rule_rule-http-requests_dest-port

Specification	
Type	*list*
Block object keys	

dest-port-number

Description

Type: number

Range: 1-65535

include-byte-count

Description Include the byte count of HTTP Request/Response in FW session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Specification	
Type	*object*

file-extension

Description HTTP file extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-cfg

Type: List

l4-session-info

Description Log the L4 session information of the HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Log the HTTP Request Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-number

Description HTTP Request Number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http_header-cfg

Specification	
Type	*list*
Block object keys	

custom-header-name

Description Header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

custom-max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

http-header

Description 'cookie': Log HTTP Cookie Header; 'referer': Log HTTP Referer Header; 'user-agent': Log HTTP User-Agent Header; 'header1': Log HTTP Header 1; 'header2': Log HTTP Header 2; 'header3': Log HTTP Header 3;

Type: string

Supported Values: cookie, referer, user-agent, header1, header2, header3

max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

log

Specification	
Type	*object*

http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

2.37.50 fw template logging source-address

Specify source address of logging packet

source-address Specification

Type	*Configuration Resource*
Element Name	source-address
Element URI	/axapi/v3/fw/template/logging/{name}/source-address
Element Attributes	source-address_attributes
Schema	`source-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

Get Object

GET

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

source-address attributes

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.51 fw top-k-rules

Display top-k rules

top-k-rules Specification

Type	*Configuration Resource*
Element Name	top-k-rules
Element URI	/axapi/v3/fw/top-k-rules
Element Attributes	top-k-rules_attributes
Operational Data URI	/axapi/v3/fw/top-k-rules/oper
Schema	`top-k-rules schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/top-k-rules

top-k-rules attributes

Get Object

GET

/axapi/v3/fw/top-k-rules

top-k-rules attributes

Modify Object

POST

/axapi/v3/fw/top-k-rules

top-k-rules attributes

Replace Object

PUT

/axapi/v3/fw/top-k-rules

top-k-rules attributes

Delete Object

DELETE

/axapi/v3/fw/top-k-rules

top-k-rules attributes

top-k-rules attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	metric-topk-list		metric-topk-list

2.37.52 fw urpf

Enable Unicast Reverse Path Forwarding (Default: Disable)

urpf Specification

Type	*Configuration Resource*
Element Name	urpf
Element URI	/axapi/v3/fw/urpf
Element Attributes	urpf_attributes
Schema	`urpf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/urpf

urpf attributes

```
POST /axapi/v3/fw/urpf
Payload:
{
    "urpf": {
        "status": "loose"
    }
}
```

Get Object

GET

/axapi/v3/fw/urpf

urpf attributes

```
GET /axapi/v3/fw/urpf
Reponse:
{
    "urpf": {
        "status": "loose",
        "uuid": "f2e8b518-603e-11d9-add7-001fa00680a0",
        "a10-url": "/axapi/v3/fw/urpf"
    }
}
```

Modify Object

POST

/axapi/v3/fw/urpf

urpf attributes

Replace Object

PUT

/axapi/v3/fw/urpf

urpf attributes

```
PUT /axapi/v3/fw/urpf
Payload:
{
    "urpf": {
        "status": "loose"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/urpf

urpf attributes

```
DELETE /axapi/v3/fw/urpf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

urpf attributes

status

Description 'disabled': Disable urpf (Default: disabled); 'strict': Perform Strict Check; 'loose': Perform Loose Check;

Type: string

Supported Values: loose, strict, disable

Default: loose

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.37.53 fw vrid

Vrrp group ID

vrid Specification

Type	*Configuration Resource*
Element Name	vrid
Element URI	/axapi/v3/fw/vrid
Element Attributes	vrid_attributes
Schema	`vrid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/vrid

vrid attributes

```
POST /axapi/v3/fw/vrid
Payload:
{
    "vrid": {
        "vrid": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/vrid

vrid attributes

```
GET /axapi/v3/fw/vrid
Reponse:
{
    "vrid": {
        "vrid": 1,
        "uuid": "fff2d0b8-603e-11d9-add7-001fa00680a0",
        "a10-url": "/axapi/v3/fw/vrid"
    }
}
```

Modify Object

POST

/axapi/v3/fw/vrid

vrid attributes

Replace Object

PUT

/axapi/v3/fw/vrid

vrid attributes

```
PUT /axapi/v3/fw/vrid
Payload:
{
    "vrid": {
        "vrid": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/vrid

vrid attributes

```
DELETE /axapi/v3/fw/vrid
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vrid attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Vrrp group (VRRP-A vrid)

Type: number

Range: 1-31

2.38 glid

Objects:

2.38.1 glid

Configure global limit ID

glid Specification

Type	*Collection*
Object Key(s)	*num*
Collection Name	*glid-list*
Collection URI	/axapi/v3/glid
Element Name	glid
Element URI	/axapi/v3/glid/{num}
Element Attributes	glid_attributes
Schema	`glid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glid

glid attributes

```
POST /axapi/v3/glid/
Payload:
{
    "glid": {
        "num": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/glid

glid attributes

Get Object

GET

/axapi/v3/glid/{num}

glid attributes

```
GET /axapi/v3/glid/1
Reponse:
{
    "glid": {
        "num": 1,
        "over-limit-action": 0,
        "dns": {
            "action": "cache-disable"
        },
        "dns64": {
            "disable": 0,
            "exclusive-answer": 0
        },
        "uuid": "d71016be-5bee-11d9-abbe-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/glid/1"
    }
}
```

Get List

GET

/axapi/v3/glid

glid-list

Modify Object

POST

/axapi/v3/glid/{num}

glid attributes

Replace Object

PUT

/axapi/v3/glid/{num}

glid attributes

```
PUT /axapi/v3/glid/1
Payload:
{
    "glid": {
        "num": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/glid

glid-list

Delete Object

DELETE

/axapi/v3/glid/{num}

glid attributes

```
DELETE /axapi/v3/glid/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

glid-list

glid-list is **JSON List** of *glid attributes*

glid-list : [

{ *glid attributes* },

{ *glid attributes* },

...

]

glid attributes

action-value

Description 'drop': Silently Drop the new connection / new packet when it exceeds limit; 'dns-cache-disable': Disable dns cache when it exceeds limit; 'dns-cache-enable': Enable dns cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: drop, dns-cache-disable, dns-cache-enable, forward, reset

conn-limit

Description Connection Limit for the GLID

Type: number

Range: 1-1048575

conn-rate-limit

Description Connection rate Limit for the GLID

Type: number

Range: 1-2147483647

conn-rate-limit-interval

Description

Type: number

Range: 1-65535

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

num

Description Global Limit ID

Type: number

Range: 1-1023

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit

Type: number

Range: 1-1048575

request-rate-limit

Description Request rate limit

Type: number

Range: 1-4294967295

request-rate-limit-interval

Description Number of 100ms

Type: number

Range: 1-65535

use-nat-pool

Description Use NAT pool specified to do reverse NAT for class list members bound to the lid

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

dns

Specification	
Type	*object*

action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

2.39 glm

Objects:

2.39.1 glm

Set GLM Connection values

glm Specification

Type	*Configuration Resource*
Element Name	glm
Element URI	/axapi/v3/glm
Element Attributes	glm_attributes
Schema	`glm schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glm

glm attributes

Get Object

GET

/axapi/v3/glm

glm attributes

Modify Object

POST

/axapi/v3/glm

glm attributes

Replace Object

PUT

/axapi/v3/glm

glm attributes

Delete Object

DELETE

/axapi/v3/glm

glm attributes

glm attributes

allocate-bandwidth

Description Enter the requested bandwidth in Mbps for Capacity Pool

Type: number

Range: 2-204800

appliance-name

Description Helpful identifier for this appliance

Type: string

Maximum Length: 60 characters

Maximum Length: 1 characters

burst

Description Enable Burst License

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

check-expiration

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-license-request

Description: create-license-request is a **JSON Block**. Please see below for *create-license-request*

Type: Object

Refernce Object: */axapi/v3/glm/create-license-request*

enable-requests

Description Enable connection to the GLM

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enterprise

Description Enter the ELM hostname, IP or [IPV6]

Type: string

Format: string-rlx

Maximum Length: 65 characters

Maximum Length: 4 characters

enterprise-request-type

Description 'fqdn': TLS verified with FQDN; 'self-signed': TLS verified with self signed certificate(Default); 'self-signed-pull-cert': Request and use self signed certificate;

Type: string

Supported Values: fqdn, self-signed, self-signed-pull-cert

host

Description Configure GLM host default is glm.a10networks.com

Type: string

Maximum Length: 60 characters

Maximum Length: 4 characters

interval

Description Enter the desired ping interval in hours

Type: number

Range: 1-8760

new-license

Description: new-license is a **JSON Block**. Please see below for *new-license*

Type: Object

Refernce Object: */axapi/v3/glm/new-license*

port

Description License request port (default 443)

Type: number

Range: 1-65535

proxy-server

Description: proxy-server is a **JSON Block**. Please see below for *proxy-server*

Type: Object

Refernce Object: */axapi/v3/glm/proxy-server*

send

Description: send is a **JSON Block**. Please see below for *send*

Type: Object

Refernce Object: */axapi/v3/glm/send*

thunder-capacity-license

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

token

Description License entitlement token

Type: string

Maximum Length: 60 characters

Maximum Length: 8 characters

use-mgmt-port

Description Use management port to connect to GLM

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

create-license-request

Specification	
Type	*object*

create-license-request

Description Create a GLM trial or license request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

new-license

Specification	
Type	*object*

account-name

Description Account Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

country

Description Country

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

existing-org

Description Use existing account with organization ID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

existing-user

Description Use an existing account with email and password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

first-name

Description First Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

glm-email

Description GLM email

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

glm-password

Description GLM password

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

last-name

Description Last Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

name

Description License name (Configure license name)

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-email

Description GLM email

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-password

Description GLM password

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-user

Description Create a new account

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

org-id

Description GLM organization id

Type: number

Range: 1-899760

phone

Description Phone

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

type

Description 'webroot': webroot; 'webroot_trial': webroot_trial; 'webroot_ti': webroot_ti; 'webroot_ti_trial': webroot_ti_trial; 'qosmos': qosmos; 'qosmos_trial': qosmos_trial; 'ipsec_vpn': ipsec_vpn;

Type: string

Supported Values: webroot, webroot_trial, webroot_ti, webroot_ti_trial, qosmos, qosmos_trial, ipsec_vpn

send

Specification	
Type	*object*

license-request

Description Do a single GLM license retrieval

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-server

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Proxy server port

Type: number

Range: 1-65535

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.39.2 glm create-license-request

Create a GLM trial or license request

create-license-request Specification

Type	*Configuration Resource*
Element Name	create-license-request
Element URI	/axapi/v3/glm/create-license-request
Element Attributes	create-license-request_attributes
Schema	`create-license-request schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glm/create-license-request

create-license-request attributes

Get Object

GET

/axapi/v3/glm/create-license-request

create-license-request attributes

Modify Object

POST

/axapi/v3/glm/create-license-request

create-license-request attributes

Replace Object

PUT

/axapi/v3/glm/create-license-request

create-license-request attributes

Delete Object

DELETE

/axapi/v3/glm/create-license-request

create-license-request attributes

create-license-request attributes

create-license-request

Description Create a GLM trial or license request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.39.3 glm proxy-server

Connect to GLM through proxy server

proxy-server Specification

Type	*Configuration Resource*
Element Name	proxy-server
Element URI	/axapi/v3/glm/proxy-server
Element Attributes	proxy-server_attributes
Schema	`proxy-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glm/proxy-server

proxy-server attributes

Get Object

GET

/axapi/v3/glm/proxy-server

proxy-server attributes

Modify Object

POST

/axapi/v3/glm/proxy-server

proxy-server attributes

Replace Object

PUT

/axapi/v3/glm/proxy-server

proxy-server attributes

Delete Object

DELETE

/axapi/v3/glm/proxy-server

proxy-server attributes

proxy-server attributes

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Proxy server port

Type: number

Range: 1-65535

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40 gslb

Objects:

2.40.1 gslb

Global server load balance commands

gslb Specification

Type	*Intermediate Resource*
Element Name	gslb
Element URI	/axapi/v3/gslb
Element Attributes	gslb_attributes
Schema	`gslb schema`

Operations Allowed:

Get Object

GET

/axapi/v3/gslb

gslb_attributes

gslb attributes

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *active-rdt*

Type: Object

Refernce Object: */axapi/v3/gslb/active-rdt*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Refernce Object: */axapi/v3/gslb/dns*

geo-location-list

Type: List

Refernce Object: */axapi/v3/gslb/geo-location/{geo-locn-obj-name}*

geoloc

Description: geoloc is a **JSON Block**. Please see below for *geoloc*

Type: Object

Refernce Object: */axapi/v3/gslb/geoloc*

geoloc-rdt

Description: geoloc-rdt is a **JSON Block**. Please see below for *geoloc-rdt*

Type: Object

Refernce Object: */axapi/v3/gslb/geoloc-rdt*

geolocation-file

Description: geolocation-file is a **JSON Block**. Please see below for *geolocation-file*

Type: Object

Refernce Object: */axapi/v3/gslb/geolocation-file*

group-info

Description: group-info is a **JSON Block**. Please see below for *group-info*

Type: Object

Refernce Object: */axapi/v3/gslb/group-info*

group-list

Type: List

Refernce Object: */axapi/v3/gslb/group/{name}*

ip-list-info

Description: ip-list-info is a **JSON Block**. Please see below for *ip-list-info*

Type: Object

Refernce Object: */axapi/v3/gslb/ip-list-info*

ip-list-list

Type: List

Refernce Object: */axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}*

policy-list

Type: List

Refernce Object: */axapi/v3/gslb/policy/{name}*

protocol

Description: protocol is a **JSON Block**. Please see below for *protocol*

Type: Object

Refernce Object: */axapi/v3/gslb/protocol*

secure-attributes

Description: secure-attributes is a **JSON Block**. Please see below for *secure-attributes*

Type: Object

Refernce Object: */axapi/v3/gslb/secure-attributes*

service-group-list

Type: List

Refernce Object: */axapi/v3/gslb/service-group/{service-group-name}*

service-ip-list

Type: List

Refernce Object: */axapi/v3/gslb/service-ip/{node-name}*

service-port

Description: service-port is a **JSON Block**. Please see below for *service-port*

Type: Object

Refernce Object: */axapi/v3/gslb/service-port*

site-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}*

statistics

Description: statistics is a **JSON Block**. Please see below for *statistics*

Type: Object

Refernce Object: */axapi/v3/gslb/statistics*

system

Description: system is a **JSON Block**. Please see below for *system*

Type: Object

Refernce Object: */axapi/v3/gslb/system*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/gslb/template*

zone-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}*

geoloc-rdt

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

statistics

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol

Specification	
Type	*object*

auto-detect

Description Automatically detect SLB Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-list

Type: List

Refernce Object: */axapi/v3/gslb/protocol/enable/{type}*

limit

Description: limit is a **JSON Block**. Please see below for *protocol_limit*

Type: Object

Refernce Object: */axapi/v3/gslb/protocol/limit*

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ping-site

Description name of site or ip address to ping

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

secure

Description: secure is a **JSON Block**. Please see below for *protocol_secure*

Type: Object

Refernce Object: */axapi/v3/gslb/protocol/secure*

status-interval

Description Specify GSLB Message Protocol update period (The GSLB Protocol update interval (seconds), default is 30)

Type: number

Range: 1-1800

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and use-mgmt-port-for-all-partitions are mutually exclusive

use-mgmt-port-for-all-partitions

Description Use management port for connections in all L3v Partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port-for-all-partitions and use-mgmt-port are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol_secure

Specification	
Type	*object*

action

Description 'enable': Enable Secure; 'disable': Disable Secure (default); 'enable-fallback': Fall back to non-secure if fail;

Type: string

Supported Values: enable, disable, enable-fallback

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol_limit

Specification	
Type	*object*

ardt-query

Description Query Messages of Active RDT, default is 200 (Number)

Type: number

Range: 0-1000000

Default: 200

ardt-response

Description Response Messages of Active RDT, default is 1000 (Number)

Type: number

Range: 0-1000000

Default: 1000

ardt-session

Description Sessions of Active RDT, default is 32768 (Number)

Type: number

Range: 0-1000000

Default: 32768

conn-response

Description Response Messages of Connection Load, default is no limit (Number)

Type: number

Range: 0-1000000

Default: 0

message

Description Amount of Messages, default is 10000 (Number)

Type: number

Range: 0-1000000

Default: 10000

response

Description Amount of Response Messages, default is 3600 (Number)

Type: number

Range: 0-1000000

Default: 3600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol_enable-list

Specification	
Type	*list*
Block object keys	

type

Description 'controller': Enable/Disable GSLB protocol as GSLB controller; 'device': Enable/Disable GSLB protocol as site device;

Type: string

Supported Values: controller, device

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template

Specification	
Type	*object*

csv-list

Type: List

Refernce Object: */axapi/v3/gslb/template/csv/{csv-name}*

snmp-list

Type: List

Refernce Object: */axapi/v3/gslb/template/snmp/{snmp-name}*

template_snmp-list

Specification	
Type	*list*
Block object keys	

auth-key

Description Specify authentication key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

auth-proto

Description 'sha': SHA; 'md5': MD5;

Type: string

Supported Values: sha, md5

Default: md5

community

Description Specify community for version 2c (Community name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-engine-id

Description Specify context engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-name

Description Specify context name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Description Specify host (Host name or ip address)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

interface

Description Specify Interface ID

Type: number

Range: 0-2147483647

interval

Description Specify interval, default is 3 (Interval, unit: second, default is 3)

Type: number

Range: 1-999

Default: 3

oid

Description Specify OID

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Specify port, default is 161 (Port Number, default is 161)

Type: number

Range: 1-65535

Default: 161

priv-key

Description Specify privacy key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

priv-proto

Description 'aes': AES; 'des': DES;

Type: string

Supported Values: aes, des

Default: des

security-engine-id

Description Specify security engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

security-level

Description 'no-auth': No authentication; 'auth-no-priv': Authentication, but no privacy; 'auth-priv': Authentication and privacy;

Type: string

Supported Values: no-auth, auth-no-priv, auth-priv

Default: no-auth

snmp-name

Description Specify name of snmp template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Specify username (User name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description 'v1': Version 1; 'v2c': Version 2c; 'v3': Version 3;

Type: string

Supported Values: v1, v2c, v3

Default: v3

template_csv-list

Specification	
Type	*list*
Block object keys	

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_csv-list_multiple-fields

Specification	
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

ip-list-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list

Specification	
Type	*list*
Block object keys	

dependency-site

Description Dependency on site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-site-list

Type: List

member

Type: List

persistent-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

persistent-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

persistent-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

persistent-site

Description Persistent based on site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-name

Description Specify Service Group name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_disable-site-list

Specification	
Type	*list*
Block object keys	

disable-site

Description Site name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/site*

service-group-list_member

Specification	
Type	*list*
Block object keys	

member-name

Description Service name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

service-port

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system

Specification	
Type	*object*

age-interval

Description Interval to age runtime statistics. 0: never age, default is 10 (Time, unit: sec, default is 10)

Type: number

Range: 0-120

Default: 10

geo-location-iana

Description Load built-in IANA table

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

gslb-group

Description GSLB Group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-load-file-list

Type: List

gslb-service-ip

Description GSLB Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-site

Description GSLB Site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hostname

Description System's Network Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-ttl

Description TTL of IP packets, default is 0 (IP TTL value, default is 0)

Type: number

Range: 0-255

Default: 0

module

Description Specify Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-device

Description SLB Device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-server

Description SLB Server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-virtual-server

Description SLB Virtual Server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wait

Description Disable GSLB until timeout if system is not ready (Time, unit: sec, default is 0)

Type: number

Range: 0-16384

Default: 0

system_gslb-load-file-list

Specification	
Type	*list*
Block object keys	

geo-location-load-filename

Description Specify file to be loaded

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-name

Description CSV template to load this file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/template/csv*

secure-attributes

Specification	
Type	*object*

action

Description 'enable': Enable Secure; 'disable': Disable Secure; 'enable-fallback': Fall back to non-secure if fail; 'use-global-behavior': Follow global configuration under gslb protocol (default);

Type: string

Supported Values: enable, disable, enable-fallback, use-global-behavior

Default: use-global-behavior

gslb-cert

Description Certificate for Secure GSLB (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

gslb-key

Description Private Key for secure gslb signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list

Specification	
Type	*list*
Block object keys	

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list_geo-locn-multiple-addresses

Specification	
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

policy-list

Specification	
Type	*list*
Block object keys	

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *policy-list_active-rdt*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/active-rdt*

active-servers-enable

Description Enable Select Service-IP with the highest number of active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-servers-fail-break

Description Break when no active server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

admin-ip-enable

Description Enable admin ip

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

admin-ip-top-only

Description Return highest priority server only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: admin-ip-top-only and ordered-ip-top-only are mutually exclusive

admin-preference

Description Select Service-IP for the device having maximum admin preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alias-admin-preference

Description Select alias name having maximum admin preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

amount-first

Description Select record based on the amount of available service-ip

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-map

Description: auto-map is a **JSON Block**. Please see below for *policy-list_auto-map*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/auto-map*

bw-cost-enable

Description Enable bw cost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-cost-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity

Description: capacity is a **JSON Block**. Please see below for *policy-list_capacity*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/capacity*

connection-load

Description: connection-load is a **JSON Block**. Please see below for *policy-list_connection-load*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/connection-load*

dns

Description: dns is a **JSON Block**. Please see below for *policy-list_dns*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/dns*

edns

Description: edns is a **JSON Block**. Please see below for *policy-list_edns*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/edns*

geo-location-list

Type: List

Refernce Object: */axapi/v3/gslb/policy/{name}/geo-location/{name}*

geo-location-match

Description: geo-location-match is a **JSON Block**. Please see below for *policy-list_geo-location-match*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/geo-location-match*

geographic

Description Select Service-IP by geographic

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

health-check

Description Select Service-IP by health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

health-check-preference-enable

Description Check health preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-preference-top

Description Only keep top n

Type: number

Range: 1-128

ip-list

Description Specify IP List (IP List Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/ip-list*

least-response

Description Least response selection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-fail-break

Description Break if no valid Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-force-check

Description Always check Service-IP for all enabled metrics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-order

Description Specify order of metric

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-type

Description

Type: string

Format: enum-list

name

Description Specify policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

num-session-enable

Description Enable Select Service-IP for device having maximum number of available sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

num-session-tolerance

Description The difference between the available sessions, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

ordered-ip-top-only

Description Return highest priority server only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ordered-ip-top-only and admin-ip-top-only are mutually exclusive

round-robin

Description Round robin selection, enabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weighted-alias

Description Select alias name by weighted preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-ip-enable

Description Enable Select Service-IP by weighted preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-ip-total-hits

Description Weighted by total hits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-site-enable

Description Enable Select Service-IP by weighted site preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-site-total-hits

Description Weighted by total hits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

policy-list_auto-map

Specification	
Type	*object*

all

Description All modules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and module-type are mutually exclusive

module-disable

Description Specify Disable Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

module-type

Description

Type: string

Format: enum-list

Mutual Exclusion: module-type and all are mutually exclusive

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_edns

Specification	
Type	*object*

client-subnet-geographic

Description Use client subnet for geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_active-rdt

Specification	
Type	*object*

controller

Description Active round-delay-time by controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

difference

Description The difference between the round-delay-time, default is 0

Type: number

Range: 0-16383

Default: 0

enable

Description Enable the active rdt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-break

Description Break when no valid RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-id

Description Ignore IP Address specified in IP List by ID

Type: number

Range: 0-31

keep-tracking

Description Keep tracking client even round-delay-time samples are ready

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Limit of allowed RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

proto-rdt-enable

Description Enable the round-delay-time to the controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

samples

Description Specify samples number for round-delay-time (Number of samples,default is 5)

Type: number

Range: 1-8

Default: 5

single-shot

Description Single Shot RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip

Description Skip query if round-delay-time samples are not ready (Specify maximum skip count,default is 3)

Type: number

Range: 1-31

Default: 3

timeout

Description Specify timeout if round-delay-time samples are not ready (Specify timeout, unit:sec,default is 3)

Type: number

Range: 1-255

Default: 3

tolerance

Description The difference percentage between the round-delay-time, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_capacity

Specification	
Type	*object*

capacity-enable

Description Enable capacity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity-fail-break

Description Break when exceed threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description Specify capacity threshold, default is 90

Type: number

Range: 0-100

Default: 90

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_geo-location-match

Specification	
Type	*object*

geo-type-overlap

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

match-first

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

Default: global

overlap

Description Enable overlap mode to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_dns

Specification	
Type	*object*

action

Description Apply DNS action for service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-type

Description 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: drop, reject, ignore

active-only

Description Only keep active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-only-fail-safe

Description Continue if no candidate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aging-time

Description Specify aging-time, default is TTL in DNS record, unit: second (Aging time, default 0 means using TTL in DNS record as aging time)

Type: number

Range: 0-1000000000

Default: 0

backup-alias

Description Return alias name when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backup-server

Description Return fallback server when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-action

Description Specify Action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-type

Description

Type: string

Format: enum-list

block-value

Type: List

cache

Description Cache DNS Server response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cname-detect

Description Apply GSLB for DNS Server response when service is Canonical Name (CNAME)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

delegation

Description Zone Delegation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-auto-map

Description Automatically build DNS Infrastructure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-preference

Description Make dynamically change the preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-weight

Description dynamically change the weight

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description Return DNS response with external IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

external-soa

Description Return DNS response with external SOA Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-action

Description Apply DNS action by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-alias

Description Return alias name by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-policy

Description Apply different policy by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hint

Description 'none': None; 'answer': Append Hint Records in DNS Answer Section; 'addition': Append Hint Records in DNS Addition Section;

Type: string

Supported Values: none, answer, addition

Default: addition

ip-replace

Description Replace DNS Server Response with GSLB Service-IPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6

Type: List

logging

Description 'none': None; 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

proxy-block-port-range-list

Type: List

selected-only

Description Only keep selected servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

selected-only-value

Description Answer Number

Type: number

Range: 1-128

server

Description Run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-any

Description Provide All Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any and server-any-with-metric are mutually exclusive

server-any-with-metric

Description Provide All Records with GSLB Metrics applied to A/AAAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any-with-metric and server-any are mutually exclusive

server-authoritative

Description As authoritative server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ns

Description Provide PTR Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ptr

Description Provide PTR Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-cname

Description Provide CNAME Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-custom

Description Provide Custom Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-full-list

Description Append All A Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mode-only

Description Only run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mx

Description Provide MX Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-naptr

Description Provide NAPTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns

Description Provide NS Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns-list

Description Append All NS Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ptr

Description Provide PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-sec

Description Provide DNSSEC support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-srv

Description Provide SRV Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-txt

Description Provide TXT Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky

Description Make DNS Record sticky for certain time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

sticky-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

sticky-mask

Description Specify IP mask, default is /32 default /32

Type: string

Format: ipv4-netmask-brief

Default: /32

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

ttl

Description Specify the TTL value contained in DNS record (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_dns_ipv6

Specification	
Type	*list*
Block object keys	

dns-ipv6-mapping-type

Description 'addition': Append Mapped Record in DNS Addition Section; 'answer': Append Mapped Record in DNS Answer Section; 'exclusive': Only return AAAA Record; 'replace': Replace Record with Mapped Record;

Type: string

Supported Values: addition, answer, exclusive, replace

dns-ipv6-option

Description 'mix': Return both AAAA Record and A Record; 'smart': Return AAAA Record by DNS Query Type; 'mapping': Map A Record to AAAA Record;

Type: string

Supported Values: mix, smart, mapping

policy-list_dns_block-value

Specification	
Type	*list*
Block object keys	

block-value

Description Specify Type Number

Type: number

Range: 1-255

policy-list_dns_proxy-block-port-range-list

Specification	
Type	*list*
Block object keys	

proxy-block-range-from

Description Specify Type Range (From)

Type: number

proxy-block-range-to

Description To

Type: number

policy-list_geo-location-list

Specification	
Type	*list*
Block object keys	

ip-multiple-fields

Type: List

ipv6-multiple-fields

Type: List

name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_geo-location-list_ip-multiple-fields

Specification	
Type	*list*
Block object keys	

ip-addr2-sub

Description Specify IP address range

Type: string

Format: ipv4-address

ip-mask-sub

Description Specify IP/mask format (Specify IP address mask)

Type: string

Format: ipv4-netmask-brief

ip-sub

Description Specify IP information

Type: string

Format: ipv4-address

policy-list_geo-location-list_ipv6-multiple-fields

Specification	
Type	*list*
Block object keys	

ipv6-addr2-sub

Description Specify IPv6 address range

Type: string

Format: ipv6-address

ipv6-mask-sub

Description Specify IPv6/mask format (Specify IP address mask)

Type: number

Range: 0-128

ipv6-sub

Description Specify IPv6 information

Type: string

Format: ipv6-address

policy-list_connection-load

Specification	
Type	*object*

connection-load-enable

Description Enable connection-load

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-interval

Description Interval between two samples, Unit: second (Interval value,default is 5)

Type: number

Range: 1-60

Default: 5

connection-load-limit

Description The value of the connection-load limit, default is unlimited

Type: number

Range: 1-999999999

connection-load-samples

Description Specify samples for connection-load (Number of samples used to calculate the connection load, default is 5)

Type: number

Range: 1-8

Default: 5

limit

Description Limit of maxinum connection load, default is unlimited

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geoloc

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list

Specification	
Type	*list*
Block object keys	

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *site-list_active-rdt*

Type: Object

Refernce Object: */axapi/v3/gslb/site/{site-name}/active-rdt*

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

bw-cost

Description Specify cost of band-width

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

controller

Description Specify the local controller for the GSLB site (Specify the hostname of the local controller)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

disable

Description Disable all servers in the GSLB site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

easy-rdt

Description: easy-rdt is a **JSON Block**. Please see below for *site-list_easy-rdt*

Type: Object

Refernce Object: */axapi/v3/gslb/site/{site-name}/easy-rdt*

ip-server-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}*

limit

Description Specify the limit for bandwidth, default is unlimited

Type: number

Range: 0-2147483647

multiple-geo-locations

Type: List

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proto-aging-time

Description Specify GSLB Protocol aging time

Type: number

Range: 0-65535

Default: 0

site-name

Description Specify GSLB site name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

slb-dev-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}*

template

Description Specify template to collect site information (Specify template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/template/snmp*

threshold

Description Specify the threshold for limit

Type: number

Range: 0-100

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify a weight for the GSLB site (Weight, default is 1)

Type: number

Range: 1-100

Default: 1

site-list_ip-server-list

Specification	
Type	*list*
Block object keys	

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list_slb-dev-list

Specification	
Type	*list*
Block object keys	

admin-preference

Description Specify administrative preference (Specify admin-preference value,default is 100)

Type: number

Range: 0-255

Default: 100

auto-detect

Description 'ip': Service IP only; 'port': Service Port only; 'ip-and-port': Both service IP and service port; 'disabled': disable auto-detect;

Type: string

Supported Values: ip, port, ip-and-port, disabled

Default: ip-and-port

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

client-ip

Description Specify client IP address

Type: string

Format: ipv4-address

device-name

Description Specify SLB device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

gateway-ip-addr

Description IP address

Type: string

Format: ipv4-address

health-check-action

Description 'health-check': Enable health Check; 'health-check-disable': Disable health check;

Type: string

Supported Values: health-check, health-check-disable

Default: health-check

ip-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description IPv6 address

Type: string

Format: ipv6-address

max-client

Description Specify maximum number of clients, default is 32768

Type: number

Range: 1-2147483647

Default: 32768

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

probe-timer

Description

Type: number

Range: 1-255

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

proto-aging-time

Description Specify GSLB Protocol aging time, default is 60

Type: number

Range: 1-65535

Default: 60

proto-compatible

Description Run GSLB Protocol in compatible mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdt-type

Description 'rdt': rdt; 'site-rdt': site-rdt;

Type: string

Supported Values: rdt, site-rdt

rdt-value

Description Specify Round-delay-time

Type: number

Range: 1-65535

session-number

Description

Type: number

Range: 0-16777214

session-utilization

Description

Type: number

Range: 1-100

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server

Description: vip-server is a **JSON Block**. Please see below for *site-list_slb-dev-list_vip-server*

Type: Object

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server*

site-list_slb-dev-list_vip-server

Specification	
Type	*object*

vip-server-name-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}*

site-list_slb-dev-list_vip-server_vip-server-v4-list

Specification	
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list_slb-dev-list_vip-server_vip-server-v4-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

site-list_slb-dev-list_vip-server_vip-server-v6-list

Specification	
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list_slb-dev-list_vip-server_vip-server-v6-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

site-list_slb-dev-list_vip-server_vip-server-name-list

Specification	
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

site-list_slb-dev-list_vip-server_vip-server-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

site-list_multiple-geo-locations

Specification	
Type	*list*
Block object keys	

geo-location

Description Specify the geographic location of the GSLB site (Specify geo-location for this site)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

site-list_easy-rdt

Specification	
Type	*object*

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list_active-rdt

Specification	
Type	*object*

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list-list

Specification	
Type	*list*
Block object keys	

gslb-ip-list-addr-list

Type: List

gslb-ip-list-filename

Description Load IP List file (IP List filename)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

gslb-ip-list-obj-name

Description Specify IP List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list-list_gslb-ip-list-addr-list

Specification	
Type	*list*
Block object keys	

id

Description ID Number

Type: number

Range: 0-31

ip

Description Specify IP address

Type: string

Format: ipv4-address

ip-mask

Description IP mask

Type: string

Format: ipv4-netmask

dns

Specification	
Type	*object*

action

Description 'none': No action (default); 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: none, drop, reject, ignore

Default: none

logging

Description 'none': No logging (default); 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

Default: none

sampling-enable

Type: List

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-query': Total number of DNS queries received; 'total-response': Total number of DNS replies sent to clients; 'bad-packet-query': Number of queries with incorrect data length; 'bad-packet-response': Number of replies with incorrect data length; 'bad-header-query': Number of queries with incorrect header; 'bad-header-response': Number of replies with incorrect header; 'bad-format-query': Number of queries with incorrect format; 'bad-format-response': Number of replies with incorrect format; 'bad-service-query': Number of queries with unknown service; 'bad-service-response': Number of replies with unknown service; 'bad-class-query': Number of queries with incorrect class; 'bad-class-response': Number of replies with incorrect class; 'bad-type-query': Number of queries with incorrect type; 'bad-type-response': Number of replies with incorrect type; 'no_answer': Number of replies with unknown server IP;

Type: string

Supported Values: all, total-query, total-response, bad-packet-query, bad-packet-response, bad-header-query, bad-header-response, bad-format-query, bad-format-response, bad-service-query, bad-service-response, bad-class-query, bad-class-response, bad-type-query, bad-type-response, no_answer, metric_health_check, metric_weighted_ip, metric_weighted_site, metric_capacity, metric_active_server, metric_easy_rdt, metric_active_rdt, metric_geographic,

metric_connection_load, metric_number_of_sessions, metric_active_weight, metric_admin_preference, metric_bandwidth_quality, metric_bandwidth_cost, metric_user, metric_least_reponse, metric_admin_ip, metric_round_robin

geolocation-file

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list

Specification	
Type	*list*
Block object keys	

auto-map-learn

Description IP Address learned from other controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

auto-map-primary

Description Primary Controller's IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

auto-map-smart

Description Choose Best IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

config-anywhere

Description Every member can do config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

config-merge

Description Merge old master's config when new one take over

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

config-save

Description Accept config-save message from master

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

data-interface

Description Data Interface IP Address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

dns-discover

Description Discover member via DNS Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

enable

Description Join GSLB Group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

learn

Description Learn neighbour information from other controllers

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

mgmt-interface

Description Management Interface IP Address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

name

Description Specify Group domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

primary-ipv6-list

Type: List

primary-list

Type: List

priority

Description Specify Local Priority, default is 100

Type: number

Range: 1-255

Default: 100

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN (Default Query type); 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

standalone

Description Run GSLB Group in standalone mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

suffix

Description Set DNS Suffix (Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list_primary-ipv6-list

Specification	
Type	*list*
Block object keys	

primary-ipv6

Description Specify Primary controller's IP address

Type: string

Format: ipv6-address

group-list_primary-list

Specification	
Type	*list*
Block object keys	

primary

Description Specify Primary controller's IP address

Type: string

Format: ipv4-address

zone-list

Specification	
Type	*list*
Block object keys	

disable

Description Disable all services in the GSLB zone

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-mx-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}*

dns-ns-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}*

dns-soa-record

Description: dns-soa-record is a **JSON Block**. Please see below for *zone-list_dns-soa-record*

Type: Object

name

Description Specify the name for the DNS zone

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Specify the policy for this zone (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

sampling-enable

Type: List

service-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}*

template

Description: template is a **JSON Block**. Please see below for *zone-list_template*

Type: Object

ttl

Description Specify the zone ttl value (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_dns-ns-record-list

Specification	
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_dns-ns-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_dns-mx-record-list

Specification	
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_dns-mx-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Total Number of DNS queries received for the zone; 'sent-response': Total Number of DNS replies sent to clients for the zone; 'proxy-mode-response': Total Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the zone; 'cache-mode-response': Total Number of cached DNS replies sent to clients by the ACOS device for the zone. (This statistic applies only if the DNS cac; 'server-mode-response': Total Number of DNS replies sent to clients by the ACOS device as a DNS server for the zone. (This statistic applies only if th; 'sticky-mode-response': Total Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies on; 'backup-mode-response': Total Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response

zone-list_template

Specification	
Type	*object*

dnssec

Description Specify DNSSEC template (Specify template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

zone-list_dns-soa-record

Specification	
Type	*object*

ex-expire

Description Specify Expire Time Interval, default is 1209600

Type: number

Range: 0-2147483647

Default: 1209600

ex-mail

Description Mailbox

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ex-refresh

Description Specify Refresh Time Interval, default is 3600

Type: number

Range: 0-2147483647

Default: 3600

ex-retry

Description Specify Retry Time Interval, default is 900

Type: number

Range: 0-2147483647

Default: 900

ex-serial

Description Specify Serial Number, default is Current Time (Time Interval)

Type: number

Range: 0-2147483647

ex-soa-ttl

Description Specify Negative caching TTL, default is Zone TTL

Type: number

Range: 0-2147483647

expire

Description Specify Expire Time Interval, default is 1209600

Type: number

Range: 0-2147483647

Default: 1209600

external

Description Specify External SOA Record (DNS Server Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

mail

Description Mailbox

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

refresh

Description Specify Refresh Time Interval, default is 3600

Type: number

Range: 0-2147483647

Default: 3600

retry

Description Specify Retry Time Interval, default is 900

Type: number

Range: 0-2147483647

Default: 900

serial

Description Specify Serial Number, default is Current Time (Time Interval)

Type: number

Range: 0-2147483647

soa-name

Description DNS Server Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

soa-ttl

Description Specify Negative caching TTL, default is Zone TTL

Type: number

Range: 0-2147483647

zone-list_service-list

Specification	
Type	*list*
Block object keys	

action

Description 'drop': Drop query; 'forward': Forward packet; 'ignore': Send empty response; 'reject': Send refuse response;

Type: string

Supported Values: drop, forward, ignore, reject

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record

Description: dns-a-record is a **JSON Block**. Please see below for *zone-list_service-list_dns-a-record*

Type: Object

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record*

dns-cname-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}*

dns-mx-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}*

dns-naptr-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}*

dns-ns-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}*

dns-ptr-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}*

dns-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}*

dns-srv-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}*

dns-txt-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}*

forward-type

Description 'both': Forward both query and response; 'query': Forward query; 'response': Forward response;

Type: string

Supported Values: both, query, response

geo-location-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}*

health-check-gateway

Description 'enable': Enable Gateway Status Check; 'disable': Disable Gateway Status Check;

Type: string

Supported Values: enable, disable

Default: enable

health-check-port

Type: List

policy

Description Specify policy for this service (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-a-record

Specification	
Type	*object*

dns-a-record-ipv4-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}*

dns-a-record-ipv6-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}*

dns-a-record-srv-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}*

zone-list_service-list_dns-a-record_dns-a-record-ipv6-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

zone-list_service-list_dns-a-record_dns-a-record-ipv4-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

zone-list_service-list_dns-a-record_dns-a-record-srv-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

zone-list_service-list_health-check-port

Specification	
Type	*list*
Block object keys	

health-check-port

Description Check Related Port Status (Port Number)

Type: number

Range: 0-65534

zone-list_service-list_dns-txt-record-list

Specification	
Type	*list*
Block object keys	

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

txt-data

Description Specify TXT Data

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-txt-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_dns-mx-record-list

Specification	
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-mx-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_dns-record-list

Specification	
Type	*list*
Block object keys	

data

Description Specify DNS Data

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

type

Description Specify DNS Type

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-ns-record-list

Specification	
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-ns-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Number of DNS queries received for the service; 'sent-response': Number of DNS replies sent to clients for the service; 'proxy-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service; 'cache-mode-response': Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache; 'server-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D; 'sticky-mode-response': Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if; 'backup-mode-response': help Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response

zone-list_service-list_dns-srv-record-list

Specification	
Type	*list*
Block object keys	

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 10

Type: number

Range: 0-65535

Default: 10

zone-list_service-list_dns-srv-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_dns-ptr-record-list

Specification	
Type	*list*
Block object keys	

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-ptr-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_dns-cname-record-list

Specification	
Type	*list*
Block object keys	

admin-preference

Description Specify Administrative Preference, default is 100

Type: number

Range: 0-255

Default: 100

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 1

Type: number

Range: 1-100

Default: 1

zone-list_service-list_dns-cname-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cname-hits': Number of times the CNAME has been used;

Type: string

Supported Values: all, cname-hits

zone-list_service-list_geo-location-list

Specification	
Type	*list*
Block object keys	

action

Description Action for this geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: action and policy are mutually exclusive

action-type

Description 'allow': Allow query from this geo-location; 'drop': Drop query from this geo-location; 'forward': Forward packet for this geo-location; 'ignore': Send empty response to this geo-location; 'reject': Send refuse response to this geo-location;

Type: string

Supported Values: allow, drop, forward, ignore, reject

alias

Type: List

forward-type

Description 'both': Forward both query and response; 'query': Forward query from this geo-location; 'response': Forward response to this geo-location;

Type: string

Supported Values: both, query, response

geo-name

Description Specify the geo-location

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Policy for this geo-location (Specify the policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: policy and action are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_geo-location-list_alias

Specification	
Type	*list*
Block object keys	

alias

Description Send CNAME response for this geo-location (Specify a CNAME record)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

zone-list_service-list_dns-naptr-record-list

Specification	
Type	*list*
Block object keys	

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

order

Description Specify Order

Type: number

Range: 0-65535

preference

Description Specify Preference

Type: number

Range: 0-65535

regexp

Description Return the regular expression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-naptr-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'naptr-hits': Number of times the NAPTR has been used;

Type: string

Supported Values: all, naptr-hits

group-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-rdt

Specification	
Type	*object*

domain

Description Specify Query Domain (Specify Domain Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

icmp

Description Using ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Specify Query Interval, unit: second, default is 1

Type: number

Range: 1-16383

Default: 1

port

Description Specify local port to send probe packet, default is 0 (no port)

Type: number

Range: 0-65535

Default: 0

retry

Description Specify Retry Count, default is 3

Type: number

Range: 0-16

Default: 3

sleep

Description Specify Sleep Time when query fail, unit: second, default is 3

Type: number

Range: 1-300

Default: 3

timeout

Description Specify Query Timeout, unit: msec, default is 3000

Type: number

Range: 1-16383

Default: 3000

track

Description Specify Tracking Time, unit: second, default is 60

Type: number

Range: 3-16383

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-ip-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this GSLB server; 'disable': Disable this GSLB server;

Type: string

Supported Values: enable, disable

Default: enable

external-ip

Description External IP address for NAT

Type: string

Format: ipv4-address

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-address

Description IP address

Type: string

Format: ipv4-address

ipv6

Description IPv6 address Mapping

Type: string

Format: ipv6-address

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

node-name

Description Service-IP Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Type: List

Refernce Object: */axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-ip-list_port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable health-check and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port health-check and health-check-disable are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-ip-list_port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

service-ip-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the service IP has been selected; 'recent': Recent hits;

Type: string

Supported Values: all, hits, recent

2.40.2 gslb active-rdt

Active RDT Options

active-rdt Specification

Type	*Configuration Resource*
Element Name	active-rdt
Element URI	/axapi/v3/gslb/active-rdt
Element Attributes	active-rdt_attributes
Schema	`active-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/active-rdt

active-rdt attributes

```
POST /axapi/v3/gslb/active-rdt
Payload:
{
    "active-rdt": {
        "domain": "a"
    }
}
```

Get Object

GET

/axapi/v3/gslb/active-rdt

active-rdt attributes

```
GET /axapi/v3/gslb/active-rdt
Reponse:
{
    "active-rdt": {
        "domain": "a",
        "interval": 1,
        "port": 0,
        "sleep": 3,
        "timeout": 3000,
        "track": 60,
        "retry": 3,
        "icmp": 0,
        "uuid": "9de9412c-6048-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/active-rdt"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/active-rdt

active-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/active-rdt

active-rdt attributes

```
PUT /axapi/v3/gslb/active-rdt
Payload:
{
    "active-rdt": {
        "domain": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/active-rdt

active-rdt attributes

```
DELETE /axapi/v3/gslb/active-rdt
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

active-rdt attributes

domain

Description Specify Query Domain (Specify Domain Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

icmp

Description Using ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Specify Query Interval, unit: second, default is 1

Type: number

Range: 1-16383

Default: 1

port

Description Specify local port to send probe packet, default is 0 (no port)

Type: number

Range: 0-65535

Default: 0

retry

Description Specify Retry Count, default is 3

Type: number

Range: 0-16

Default: 3

sleep

Description Specify Sleep Time when query fail, unit: second, default is 3

Type: number

Range: 1-300

Default: 3

timeout

Description Specify Query Timeout, unit: msec, default is 3000

Type: number

Range: 1-16383

Default: 3000

track

Description Specify Tracking Time, unit: second, default is 60

Type: number

Range: 3-16383

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.3 gslb dns

DNS Global Options

dns Specification

Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/gslb/dns
Element Attributes	dns_attributes
Statistics Data URI	/axapi/v3/gslb/dns/stats
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/dns

dns attributes

```
POST /axapi/v3/gslb/dns
Payload:
{
    "dns": {
        "action": "none"
    }
}
```

Get Object

GET

/axapi/v3/gslb/dns

dns attributes

```
GET /axapi/v3/gslb/dns
Reponse:
{
    "dns": {
        "action": "none",
        "logging": "none",
        "uuid": "04494ab2-c86b-11e9-ba2d-9778838992f8",
        "a10-url": "/axapi/v3/gslb/dns"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/dns

dns attributes

Replace Object

PUT

/axapi/v3/gslb/dns

dns attributes

```
PUT /axapi/v3/gslb/dns
Payload:
{
    "dns": {
        "action": "drop"
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/dns

dns attributes

```
DELETE /axapi/v3/gslb/dns
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns attributes

action

Description 'none': No action (default); 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: none, drop, reject, ignore

Default: none

logging

Description 'none': No logging (default); 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

Default: none

sampling-enable

Type: List

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-query': Total number of DNS queries received; 'total-response': Total number of DNS replies sent to clients; 'bad-packet-query': Number of queries with incorrect data length; 'bad-packet-response': Number of replies with incorrect data length; 'bad-header-query': Number of queries with incorrect header; 'bad-header-response': Number of replies with incorrect header; 'bad-format-query': Number of queries with incorrect format; 'bad-format-response': Number of replies with incorrect format; 'bad-service-query': Number of queries with unknown service; 'bad-service-response': Number of replies with unknown service; 'bad-class-query': Number of queries with incorrect class; 'bad-class-response': Number of replies with incorrect class; 'bad-type-query': Number of queries with incorrect type; 'bad-type-response': Number of replies with incorrect type; 'no_answer': Number of replies with unknown server IP;

Type: string

Supported Values: all, total-query, total-response, bad-packet-query, bad-packet-response, bad-header-query, bad-header-response, bad-format-query, bad-format-response, bad-service-query, bad-service-response, bad-class-query, bad-class-response, bad-type-query, bad-type-response, no_answer, metric_health_check, metric_weighted_ip, metric_weighted_site, metric_capacity, metric_active_server, metric_easy_rdt, metric_active_rdt, metric_geographic, metric_connection_load, metric_number_of_sessions, metric_active_weight, metric_admin_preference, metric_bandwidth_quality, metric_bandwidth_cost, metric_user, metric_least_reponse, metric_admin_ip, metric_round_robin

stats data

	Counter	Size	Description
	metric_capacity	8	Metric Capacity Hit
	metric_admin_ip	8	Metric Admin IP Hit
	no_answer	8	Number of replies with unknown server IP
	bad-format-query	8	Number of queries with incorrect format
	metric_active_server	8	Metric Active Server Hit
	metric_active_rdt	8	Metric Active RDT Hit
	metric_connection_load	8	Metric Connection Load Hit
	bad-service-response	8	Number of replies with unknown service
	metric_user	8	Metric User Hit
	bad-packet-query	8	Number of queries with incorrect data length
	total-query	8	Total number of DNS queries received
	metric_bandwidth_cost	8	Metric Bandwidth Cost Hit
	bad-class-query	8	Number of queries with incorrect class
	metric_bandwidth_quality	8	Metric Bandwidth Quality Hit
	bad-service-query	8	Number of queries with unknown service
	bad-header-response	8	Number of replies with incorrect header
	metric_least_reponse	8	Metric Least Reponse Hit
	metric_weighted_site	8	Metric Weighted Site Hit
	total-response	8	Total number of DNS replies sent to clients
	metric_health_check	8	Metric Health Check Hit
	metric_round_robin	8	Metric Round Robin Hit
	metric_easy_rdt	8	Metric Easy RDT Hit
	bad-type-query	8	Number of queries with incorrect type
	bad-packet-response	8	Number of replies with incorrect data length
	metric_weighted_ip	8	Metric Weighted IP Hit

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	Counter	Size	Description
	bad-class-response	8	Number of replies with incorrect class
	bad-format-response	8	Number of replies with incorrect format
	metric_geographic	8	Metric Geographic Hit
	bad-header-query	8	Number of queries with incorrect header
	metric_active_weight	8	Metric Active Weight Hit
	metric_admin_preference	8	Metric Admin Preference Hit
	metric_number_of_sessions	8	Metric Number of Sessions Hit
	bad-type-response	8	Number of replies with incorrect type

2.40.4 gslb geo-location

Configure a GSLB global geo-location object

geo-location Specification

Type	*Collection*
Object Key(s)	*geo-locn-obj-name*
Collection Name	*geo-location-list*
Collection URI	/axapi/v3/gslb/geo-location
Element Name	geo-location
Element URI	/axapi/v3/gslb/geo-location/{geo-locn-obj-name}
Element Attributes	geo-location_attributes
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/geo-location

geo-location attributes

```
POST /axapi/v3/gslb/geo-location/
Payload:
{
    "geo-location": {
        "geo-locn-obj-name": "a",
        "user-tag": "a"
```

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```
    }
}
```

Create List

POST

/axapi/v3/gslb/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/gslb/geo-location/{geo-locn-obj-name}

geo-location attributes

```
GET /axapi/v3/gslb/geo-location/a
Reponse:
{
    "geo-location": {
        "geo-locn-obj-name": "a",
        "uuid": "d0f11162-6048-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/geo-location/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/geo-location

geo-location-list

Modify Object

POST

/axapi/v3/gslb/geo-location/{geo-locn-obj-name}

geo-location attributes

Replace Object

PUT

/axapi/v3/gslb/geo-location/{geo-locn-obj-name}

geo-location attributes

```
PUT /axapi/v3/gslb/geo-location/a
Payload:
{
    "geo-location": {
        "geo-locn-obj-name": "a",
        "user-tag": "abcd"
```

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```
    }
}
```

Replace List

PUT

/axapi/v3/gslb/geo-location

geo-location-list

Delete Object

DELETE

/axapi/v3/gslb/geo-location/{geo-locn-obj-name}

geo-location attributes

```
DELETE /axapi/v3/gslb/geo-location/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

geo-location-list

geo-location-list is **JSON List** of *geo-location attributes*

geo-location-list : [

{ *geo-location attributes* },

{ *geo-location attributes* },

...

]

geo-location attributes

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-locn-multiple-addresses

Specification	
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

2.40.5 gslb group

GSLB Group

group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*group-list*
Collection URI	/axapi/v3/gslb/group
Element Name	group
Element URI	/axapi/v3/gslb/group/{name}
Element Attributes	group_attributes
Schema	`group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/group

group attributes

```
POST /axapi/v3/gslb/group/
Payload:
{
    "group": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/group

group attributes

Get Object

GET

/axapi/v3/gslb/group/{name}

group attributes

```
GET /axapi/v3/gslb/group/a
Reponse:
{
    "group": {
        "name": "a",
        "auto-map-smart": 1,
        "mgmt-interface": 1,
        "data-interface": 1,
        "auto-map-primary": 1,
        "auto-map-learn": 1,
        "config-anywhere": 0,
        "config-merge": 0,
        "config-save": 1,
        "dns-discover": 1,
        "resolve-as": "resolve-to-ipv4",
        "enable": 0,
        "learn": 1,
        "priority": 100,
        "standalone": 0,
        "uuid": "eab531a0-6048-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/group/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/group

group-list

Modify Object

POST

/axapi/v3/gslb/group/{name}

group attributes

Replace Object

PUT

/axapi/v3/gslb/group/{name}

group attributes

```
PUT /axapi/v3/gslb/group/a
Payload:
```

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```
{
    "group": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/group

group-list

Delete Object

DELETE

/axapi/v3/gslb/group/{name}

group attributes

```
DELETE /axapi/v3/gslb/group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

group-list

group-list is **JSON List** of *group attributes*

group-list : [

{ *group attributes* },

{ *group attributes* },

...

]

group attributes

auto-map-learn

Description IP Address learned from other controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

auto-map-primary

Description Primary Controller's IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

auto-map-smart

Description Choose Best IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

config-anywhere

Description Every member can do config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

config-merge

Description Merge old master's config when new one take over

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

config-save

Description Accept config-save message from master

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

data-interface

Description Data Interface IP Address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

dns-discover

Description Discover member via DNS Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

enable

Description Join GSLB Group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

learn

Description Learn neighbour information from other controllers

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

mgmt-interface

Description Management Interface IP Address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

name

Description Specify Group domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

primary-ipv6-list

Type: List

primary-list

Type: List

priority

Description Specify Local Priority, default is 100

Type: number

Range: 1-255

Default: 100

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN (Default Query type); 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

standalone

Description Run GSLB Group in standalone mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

suffix

Description Set DNS Suffix (Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

primary-ipv6-list

Specification	
Type	*list*
Block object keys	

primary-ipv6

Description Specify Primary controller's IP address

Type: string

Format: ipv6-address

primary-list

Specification	
Type	*list*
Block object keys	

primary

Description Specify Primary controller's IP address

Type: string

Format: ipv4-address

2.40.6 gslb ip-list

Specify a IP List

ip-list Specification

Type	*Collection*
Object Key(s)	*gslb-ip-list-obj-name*
Collection Name	*ip-list-list*
Collection URI	/axapi/v3/gslb/ip-list
Element Name	ip-list
Element URI	/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}
Element Attributes	ip-list_attributes
Schema	`ip-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/ip-list

ip-list attributes

```
POST /axapi/v3/gslb/ip-list/
Payload:
{
    "ip-list": {
        "gslb-ip-list-obj-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/ip-list

ip-list attributes

Get Object

GET

/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}

ip-list attributes

```
GET /axapi/v3/gslb/ip-list/a
Reponse:
{
    "ip-list": {
        "gslb-ip-list-obj-name": "a",
        "uuid": "2266b2b8-6049-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/ip-list/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/ip-list

ip-list-list

Modify Object

POST

/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}

ip-list attributes

Replace Object

PUT

/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}

ip-list attributes

```
PUT /axapi/v3/gslb/ip-list/a
Payload:
{
    "ip-list": {
        "gslb-ip-list-obj-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/ip-list

ip-list-list

Delete Object

DELETE

/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}

ip-list attributes

```
DELETE /axapi/v3/gslb/ip-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ip-list-list

ip-list-list is **JSON List** of *ip-list attributes*

ip-list-list : [

{ *ip-list attributes* },

{ *ip-list attributes* },

...

]

ip-list attributes

gslb-ip-list-addr-list

Type: List

gslb-ip-list-filename

Description Load IP List file (IP List filename)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

gslb-ip-list-obj-name

Description Specify IP List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gslb-ip-list-addr-list

Specification	
Type	*list*
Block object keys	

id

Description ID Number

Type: number

Range: 0-31

ip

Description Specify IP address

Type: string

Format: ipv4-address

ip-mask

Description IP mask

Type: string

Format: ipv4-netmask

2.40.7 gslb policy

Policy for GSLB zone, service or geo-location

policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*policy-list*
Collection URI	/axapi/v3/gslb/policy
Element Name	policy
Element URI	/axapi/v3/gslb/policy/{name}
Element Attributes	policy_attributes
Operational Data URI	/axapi/v3/gslb/policy/{name}/oper
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy

policy attributes

```
POST /axapi/v3/gslb/policy/
Payload:
{
    "policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/policy

policy attributes

Get Object

GET

/axapi/v3/gslb/policy/{name}

policy attributes

```
GET /axapi/v3/gslb/policy/a
Reponse:
{
    "policy": {
        "name": "a",
        "health-check": 1,
        "health-check-preference-enable": 0,
        "amount-first": 0,
        "weighted-ip-enable": 0,
```

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```
        "weighted-ip-total-hits": 0,
        "weighted-site-enable": 0,
        "weighted-site-total-hits": 0,
        "weighted-alias": 0,
        "active-servers-enable": 0,
        "active-servers-fail-break": 0,
        "bw-cost-enable": 0,
        "bw-cost-fail-break": 0,
        "geographic": 1,
        "num-session-enable": 0,
        "num-session-tolerance": 10,
        "admin-preference": 0,
        "alias-admin-preference": 0,
        "least-response": 0,
        "admin-ip-enable": 0,
        "admin-ip-top-only": 0,
        "round-robin": 1,
        "metric-force-check": 0,
        "metric-fail-break": 0,
        "metric-order": 0,
        "uuid": "4b90e91a-6049-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/policy/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/policy

policy-list

Modify Object

POST

/axapi/v3/gslb/policy/{name}

policy attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}

policy attributes

```
PUT /axapi/v3/gslb/policy/a
Payload:
{
    "policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/policy

policy-list

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}

policy attributes

```
DELETE /axapi/v3/gslb/policy/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *active-rdt*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/active-rdt*

active-servers-enable

Description Enable Select Service-IP with the highest number of active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-servers-fail-break

Description Break when no active server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

admin-ip-enable

Description Enable admin ip

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

admin-ip-top-only

Description Return highest priority server only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: admin-ip-top-only and ordered-ip-top-only are mutually exclusive

admin-preference

Description Select Service-IP for the device having maximum admin preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alias-admin-preference

Description Select alias name having maximum admin preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

amount-first

Description Select record based on the amount of available service-ip

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-map

Description: auto-map is a **JSON Block**. Please see below for *auto-map*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/auto-map*

bw-cost-enable

Description Enable bw cost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-cost-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity

Description: capacity is a **JSON Block**. Please see below for *capacity*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/capacity*

connection-load

Description: connection-load is a **JSON Block**. Please see below for *connection-load*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/connection-load*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/dns*

edns

Description: edns is a **JSON Block**. Please see below for *edns*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/edns*

geo-location-list

Type: List

Refernce Object: */axapi/v3/gslb/policy/{name}/geo-location/{name}*

geo-location-match

Description: geo-location-match is a **JSON Block**. Please see below for *geo-location-match*

Type: Object

Refernce Object: */axapi/v3/gslb/policy/{name}/geo-location-match*

geographic

Description Select Service-IP by geographic

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

health-check

Description Select Service-IP by health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

health-check-preference-enable

Description Check health preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-preference-top

Description Only keep top n

Type: number

Range: 1-128

ip-list

Description Specify IP List (IP List Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/ip-list*

least-response

Description Least response selection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-fail-break

Description Break if no valid Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-force-check

Description Always check Service-IP for all enabled metrics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-order

Description Specify order of metric

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-type

Description

Type: string

Format: enum-list

name

Description Specify policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

num-session-enable

Description Enable Select Service-IP for device having maximum number of available sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

num-session-tolerance

Description The difference between the available sessions, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

ordered-ip-top-only

Description Return highest priority server only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ordered-ip-top-only and admin-ip-top-only are mutually exclusive

round-robin

Description Round robin selection, enabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weighted-alias

Description Select alias name by weighted preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-ip-enable

Description Enable Select Service-IP by weighted preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-ip-total-hits

Description Weighted by total hits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-site-enable

Description Enable Select Service-IP by weighted site preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-site-total-hits

Description Weighted by total hits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-map

Specification	
Type	*object*

all

Description All modules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and module-type are mutually exclusive

module-disable

Description Specify Disable Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

module-type

Description

Type: string

Format: enum-list

Mutual Exclusion: module-type and all are mutually exclusive

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

edns

Specification	
Type	*object*

client-subnet-geographic

Description Use client subnet for geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-rdt

Specification	
Type	*object*

controller

Description Active round-delay-time by controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

difference

Description The difference between the round-delay-time, default is 0

Type: number

Range: 0-16383

Default: 0

enable

Description Enable the active rdt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-break

Description Break when no valid RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-id

Description Ignore IP Address specified in IP List by ID

Type: number

Range: 0-31

keep-tracking

Description Keep tracking client even round-delay-time samples are ready

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Limit of allowed RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

proto-rdt-enable

Description Enable the round-delay-time to the controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

samples

Description Specify samples number for round-delay-time (Number of samples,default is 5)

Type: number

Range: 1-8

Default: 5

single-shot

Description Single Shot RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip

Description Skip query if round-delay-time samples are not ready (Specify maximum skip count,default is 3)

Type: number

Range: 1-31

Default: 3

timeout

Description Specify timeout if round-delay-time samples are not ready (Specify timeout, unit:sec,default is 3)

Type: number

Range: 1-255

Default: 3

tolerance

Description The difference percentage between the round-delay-time, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

capacity

Specification	
Type	*object*

capacity-enable

Description Enable capacity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity-fail-break

Description Break when exceed threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description Specify capacity threshold, default is 90

Type: number

Range: 0-100

Default: 90

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-match

Specification	
Type	*object*

geo-type-overlap

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

match-first

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

Default: global

overlap

Description Enable overlap mode to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns

Specification	
Type	*object*

action

Description Apply DNS action for service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-type

Description 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: drop, reject, ignore

active-only

Description Only keep active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-only-fail-safe

Description Continue if no candidate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aging-time

Description Specify aging-time, default is TTL in DNS record, unit: second (Aging time, default 0 means using TTL in DNS record as aging time)

Type: number

Range: 0-1000000000

Default: 0

backup-alias

Description Return alias name when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backup-server

Description Return fallback server when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-action

Description Specify Action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-type

Description

Type: string

Format: enum-list

block-value

Type: List

cache

Description Cache DNS Server response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cname-detect

Description Apply GSLB for DNS Server response when service is Canonical Name (CNAME)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

delegation

Description Zone Delegation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-auto-map

Description Automatically build DNS Infrastructure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-preference

Description Make dynamically change the preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-weight

Description dynamically change the weight

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description Return DNS response with external IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

external-soa

Description Return DNS response with external SOA Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-action

Description Apply DNS action by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-alias

Description Return alias name by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-policy

Description Apply different policy by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hint

Description 'none': None; 'answer': Append Hint Records in DNS Answer Section; 'addition': Append Hint Records in DNS Addition Section;

Type: string

Supported Values: none, answer, addition

Default: addition

ip-replace

Description Replace DNS Server Response with GSLB Service-IPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6

Type: List

logging

Description 'none': None; 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

proxy-block-port-range-list

Type: List

selected-only

Description Only keep selected servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

selected-only-value

Description Answer Number

Type: number

Range: 1-128

server

Description Run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-any

Description Provide All Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any and server-any-with-metric are mutually exclusive

server-any-with-metric

Description Provide All Records with GSLB Metrics applied to A/AAAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any-with-metric and server-any are mutually exclusive

server-authoritative

Description As authoritative server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ns

Description Provide A-Records for NS-Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ptr

Description Provide PTR Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-cname

Description Provide CNAME Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-custom

Description Provide Custom Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-full-list

Description Append All A Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mode-only

Description Only run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mx

Description Provide MX Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-naptr

Description Provide NAPTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns

Description Provide NS Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns-list

Description Append All NS Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ptr

Description Provide PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-sec

Description Provide DNSSEC support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-srv

Description Provide SRV Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-txt

Description Provide TXT Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky

Description Make DNS Record sticky for certain time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

sticky-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

sticky-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

ttl

Description Specify the TTL value contained in DNS record (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_ipv6

Specification	
Type	*list*
Block object keys	

dns-ipv6-mapping-type

Description 'addition': Append Mapped Record in DNS Addition Section; 'answer': Append Mapped Record in DNS Answer Section; 'exclusive': Only return AAAA Record; 'replace': Replace Record with Mapped Record;

Type: string

Supported Values: addition, answer, exclusive, replace

dns-ipv6-option

Description 'mix': Return both AAAA Record and A Record; 'smart': Return AAAA Record by DNS Query Type; 'mapping': Map A Record to AAAA Record;

Type: string

Supported Values: mix, smart, mapping

dns_block-value

Specification	
Type	*list*
Block object keys	

block-value

Description Specify Type Number

Type: number

Range: 1-255

dns_proxy-block-port-range-list

Specification	
Type	*list*
Block object keys	

proxy-block-range-from

Description Specify Type Range (From)

Type: number

proxy-block-range-to

Description To

Type: number

geo-location-list

Specification	
Type	*list*
Block object keys	

ip-multiple-fields

Type: List

ipv6-multiple-fields

Type: List

name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list_ip-multiple-fields

Specification	
Type	*list*
Block object keys	

ip-addr2-sub

Description Specify IP address range

Type: string

Format: ipv4-address

ip-mask-sub

Description Specify IP/mask format (Specify IP address mask)

Type: string

Format: ipv4-netmask-brief

ip-sub

Description Specify IP information

Type: string

Format: ipv4-address

geo-location-list_ipv6-multiple-fields

Specification	
Type	*list*
Block object keys	

ipv6-addr2-sub

Description Specify IPv6 address range

Type: string

Format: ipv6-address

ipv6-mask-sub

Description Specify IPv6/mask format (Specify IP address mask)

Type: number

Range: 0-128

ipv6-sub

Description Specify IPv6 information

Type: string

Format: ipv6-address

connection-load

Specification	
Type	*object*

connection-load-enable

Description Enable connection-load

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-interval

Description Interval between two samples, Unit: second (Interval value,default is 5)

Type: number

Range: 1-60

Default: 5

connection-load-limit

Description The value of the connection-load limit, default is unlimited

Type: number

Range: 1-999999999

connection-load-samples

Description Specify samples for connection-load (Number of samples used to calculate the connection load, default is 5)

Type: number

Range: 1-8

Default: 5

limit

Description Limit of maxinum connection load, default is unlimited

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	metric-list		metric-list

2.40.8 gslb policy active-rdt

Select SLB device with the shortest round delay time to local DNS

active-rdt Specification

Type	*Configuration Resource*
Element Name	active-rdt
Element URI	/axapi/v3/gslb/policy/{name}/active-rdt
Element Attributes	active-rdt_attributes
Schema	`active-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

```
POST /axapi/v3/gslb/policy/a/active-rdt
Payload:
{
    "active-rdt": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

```
GET /axapi/v3/gslb/policy/a/active-rdt
Reponse:
{
    "active-rdt": {
        "enable": 1,
        "single-shot": 0,
        "timeout": 3,
        "skip": 3,
```

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```
        "keep-tracking": 0,
        "samples": 5,
        "tolerance": 10,
        "difference": 0,
        "limit": 16383,
        "fail-break": 0,
        "controller": 0,
        "proto-rdt-enable": 0,
        "uuid": "b3791cc8-6049-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/policy/a/active-rdt"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

```
PUT /axapi/v3/gslb/policy/a/active-rdt
Payload:
{
    "active-rdt": {
        "enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

```
DELETE /axapi/v3/gslb/policy/a/active-rdt
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

active-rdt attributes

controller

Description Active round-delay-time by controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

difference

Description The difference between the round-delay-time, default is 0

Type: number

Range: 0-16383

Default: 0

enable

Description Enable the active rdt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-break

Description Break when no valid RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-id

Description Ignore IP Address specified in IP List by ID

Type: number

Range: 0-31

keep-tracking

Description Keep tracking client even round-delay-time samples are ready

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Limit of allowed RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

proto-rdt-enable

Description Enable the round-delay-time to the controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

samples

Description Specify samples number for round-delay-time (Number of samples,default is 5)

Type: number

Range: 1-8

Default: 5

single-shot

Description Single Shot RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip

Description Skip query if round-delay-time samples are not ready (Specify maximum skip count,default is 3)

Type: number

Range: 1-31

Default: 3

timeout

Description Specify timeout if round-delay-time samples are not ready (Specify timeout, unit:sec,default is 3)

Type: number

Range: 1-255

Default: 3

tolerance

Description The difference percentage between the round-delay-time, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.9 gslb policy auto-map

Auto Mapping Options

auto-map Specification

Type	*Configuration Resource*
Element Name	auto-map
Element URI	/axapi/v3/gslb/policy/{name}/auto-map
Element Attributes	auto-map_attributes
Schema	`auto-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

```
POST /axapi/v3/gslb/policy/a/auto-map
Payload:
{
    "auto-map": {
        "ttl": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

```
GET /axapi/v3/gslb/policy/a/auto-map
Reponse:
{
    "auto-map": {
        "ttl": 1,
        "module-disable": 0,
        "uuid": "fbfa8680-6049-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/policy/a/auto-map"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

```
DELETE /axapi/v3/gslb/policy/a/auto-map
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

auto-map attributes

all

Description All modules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and module-type are mutually exclusive

module-disable

Description Specify Disable Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

module-type

Description

Type: string

Format: enum-list

Mutual Exclusion: module-type and all are mutually exclusive

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.10 gslb policy capacity

Select Service-IP for the device having highest available connection capacity

capacity Specification

Type	*Configuration Resource*
Element Name	capacity
Element URI	/axapi/v3/gslb/policy/{name}/capacity
Element Attributes	capacity_attributes
Schema	`capacity schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

```
POST /axapi/v3/gslb/policy/a/capacity
Payload:
{
    "capacity": {
        "capacity-enable": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

```
GET /axapi/v3/gslb/policy/a/capacity
Reponse:
{
    "capacity": {
        "capacity-enable": 1,
```

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```
        "threshold": 90,
        "capacity-fail-break": 0,
        "uuid": "0867167c-604a-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/policy/a/capacity"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

```
PUT /axapi/v3/gslb/policy/a/capacity
Payload:
{
    "capacity": {
        "capacity-enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

```
DELETE /axapi/v3/gslb/policy/a/capacity
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

capacity attributes

capacity-enable

Description Enable capacity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity-fail-break

Description Break when exceed threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description Specify capacity threshold, default is 90

Type: number

Range: 0-100

Default: 90

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.11 gslb policy connection-load

Select Service-IP with the lowest connection-load

connection-load Specification

Type	*Configuration Resource*
Element Name	connection-load
Element URI	/axapi/v3/gslb/policy/{name}/connection-load
Element Attributes	connection-load_attributes
Schema	`connection-load schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

```
POST /axapi/v3/gslb/policy/a/connection-load
Payload:
{
    "connection-load": {
        "connection-load-enable": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

```
GET /axapi/v3/gslb/policy/a/connection-load
Reponse:
{
    "connection-load": {
        "connection-load-enable": 1,
        "connection-load-fail-break": 0,
        "connection-load-samples": 5,
        "connection-load-interval": 5,
        "limit": 0,
        "uuid": "1b9f0272-604a-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/policy/a/connection-load"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

```
PUT /axapi/v3/gslb/policy/a/connection-load
Payload:
{
    "connection-load": {
        "connection-load-enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

```
DELETE /axapi/v3/gslb/policy/a/connection-load
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

connection-load attributes

connection-load-enable

Description Enable connection-load

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-interval

Description Interval between two samples, Unit: second (Interval value,default is 5)

Type: number

Range: 1-60

Default: 5

connection-load-limit

Description The value of the connection-load limit, default is unlimited

Type: number

Range: 1-999999999

connection-load-samples

Description Specify samples for connection-load (Number of samples used to calculate the connection load, default is 5)

Type: number

Range: 1-8

Default: 5

limit

Description Limit of maxinum connection load, default is unlimited

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.12 gslb policy dns

DNS related policy

dns Specification

Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/gslb/policy/{name}/dns
Element Attributes	dns_attributes
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/dns

dns attributes

```
POST /axapi/v3/gslb/policy/a/dns
Payload:
{
    "dns": {
        "action": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/dns

dns attributes

```
GET /axapi/v3/gslb/policy/a/dns
Reponse:
{
    "dns": {
        "action": 1,
        "active-only": 0,
        "dns-addition-mx": 0,
        "dns-auto-map": 0,
```

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```
        "backup-alias": 0,
        "backup-server": 0,
        "external-ip": 1,
        "external-soa": 0,
        "cname-detect": 1,
        "ip-replace": 0,
        "geoloc-alias": 0,
        "geoloc-action": 0,
        "geoloc-policy": 0,
        "selected-only": 0,
        "cache": 0,
        "delegation": 0,
        "hint": "addition",
        "ttl": 10,
        "server": 0,
        "block-action": 0,
        "sticky": 0,
        "dynamic-preference": 0,
        "dynamic-weight": 0,
        "uuid": "3294df74-604a-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/policy/a/dns"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/dns

dns attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/dns

dns attributes

```
PUT /axapi/v3/gslb/policy/a/dns
Payload:
{
    "dns": {
        "action": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/dns

dns attributes

```
DELETE /axapi/v3/gslb/policy/a/dns
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

dns attributes

action

Description Apply DNS action for service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-type

Description 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: drop, reject, ignore

active-only

Description Only keep active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-only-fail-safe

Description Continue if no candidate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aging-time

Description Specify aging-time, default is TTL in DNS record, unit: second (Aging time, default 0 means using TTL in DNS record as aging time)

Type: number

Range: 0-1000000000

Default: 0

backup-alias

Description Return alias name when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backup-server

Description Return fallback server when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-action

Description Specify Action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-type

Description

Type: string

Format: enum-list

block-value

Type: List

cache

Description Cache DNS Server response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cname-detect

Description Apply GSLB for DNS Server response when service is Canonical Name (CNAME)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

delegation

Description Zone Delegation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-auto-map

Description Automatically build DNS Infrastructure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-preference

Description Make dynamically change the preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-weight

Description dynamically change the weight

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description Return DNS response with external IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

external-soa

Description Return DNS response with external SOA Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-action

Description Apply DNS action by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-alias

Description Return alias name by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-policy

Description Apply different policy by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hint

Description 'none': None; 'answer': Append Hint Records in DNS Answer Section; 'addition': Append Hint Records in DNS Addition Section;

Type: string

Supported Values: none, answer, addition

Default: addition

ip-replace

Description Replace DNS Server Response with GSLB Service-IPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6

Type: List

logging

Description 'none': None; 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

proxy-block-port-range-list

Type: List

selected-only

Description Only keep selected servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

selected-only-value

Description Answer Number

Type: number

Range: 1-128

server

Description Run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-any

Description Provide All Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any and server-any-with-metric are mutually exclusive

server-any-with-metric

Description Provide All Records with GSLB Metrics applied to A/AAAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any-with-metric and server-any are mutually exclusive

server-authoritative

Description As authoritative server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ns

Description Provide A-Records for NS-Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ptr

Description Provide PTR Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-cname

Description Provide CNAME Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-custom

Description Provide Custom Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-full-list

Description Append All A Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mode-only

Description Only run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mx

Description Provide MX Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-naptr

Description Provide NAPTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns

Description Provide NS Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns-list

Description Append All NS Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ptr

Description Provide PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-sec

Description Provide DNSSEC support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-srv

Description Provide SRV Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-txt

Description Provide TXT Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky

Description Make DNS Record sticky for certain time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

sticky-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

sticky-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

ttl

Description Specify the TTL value contained in DNS record (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6

Specification	
Type	*list*
Block object keys	

dns-ipv6-mapping-type

Description 'addition': Append Mapped Record in DNS Addition Section; 'answer': Append Mapped Record in DNS Answer Section; 'exclusive': Only return AAAA Record; 'replace': Replace Record with Mapped Record;

Type: string

Supported Values: addition, answer, exclusive, replace

dns-ipv6-option

Description 'mix': Return both AAAA Record and A Record; 'smart': Return AAAA Record by DNS Query Type; 'mapping': Map A Record to AAAA Record;

Type: string

Supported Values: mix, smart, mapping

block-value

Specification	
Type	*list*
Block object keys	

block-value

Description Specify Type Number

Type: number

Range: 1-255

proxy-block-port-range-list

Specification	
Type	*list*
Block object keys	

proxy-block-range-from

Description Specify Type Range (From)

Type: number

proxy-block-range-to

Description To

Type: number

2.40.13 gslb policy edns

Use EDNS extension

edns Specification

Type	*Configuration Resource*
Element Name	edns
Element URI	/axapi/v3/gslb/policy/{name}/edns
Element Attributes	edns_attributes
Schema	`edns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/edns

edns attributes

```
POST /axapi/v3/gslb/policy/a/edns
Payload:
{
    "edns": {
        "client-subnet-geographic": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/edns

edns attributes

```
GET /axapi/v3/gslb/policy/a/edns
Reponse:
{
    "edns": {
        "client-subnet-geographic": 1,
        "uuid": "75e0bc20-604b-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/policy/a/edns"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/edns

edns attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/edns

edns attributes

```
PUT /axapi/v3/gslb/policy/a/edns
Payload:
{
    "edns": {
        "client-subnet-geographic": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/edns

edns attributes

```
DELETE /axapi/v3/gslb/policy/a/edns
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

edns attributes

client-subnet-geographic

Description Use client subnet for geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.14 gslb policy geo-location

Specify geo-location

geo-location Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*geo-location-list*
Collection URI	/axapi/v3/gslb/policy/{name}/geo-location
Element Name	geo-location
Element URI	/axapi/v3/gslb/policy/{name}/geo-location/{name}
Element Attributes	geo-location_attributes
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/geo-location

geo-location attributes

Create List

POST

/axapi/v3/gslb/policy/{name}/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/gslb/policy/{name}/geo-location/{name}

geo-location attributes

Get List

GET

/axapi/v3/gslb/policy/{name}/geo-location

geo-location-list

Modify Object

POST

/axapi/v3/gslb/policy/{name}/geo-location/{name}

geo-location attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/geo-location/{name}

geo-location attributes

Replace List

PUT

/axapi/v3/gslb/policy/{name}/geo-location

geo-location-list

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/geo-location/{name}

geo-location attributes

geo-location-list

geo-location-list is **JSON List** of *geo-location attributes*

geo-location-list : [

{ *geo-location attributes* },

{ *geo-location attributes* },

...

]

geo-location attributes

ip-multiple-fields

Type: List

ipv6-multiple-fields

Type: List

name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-multiple-fields

Specification	
Type	*list*
Block object keys	

ip-addr2-sub

Description Specify IP address range

Type: string

Format: ipv4-address

ip-mask-sub

Description Specify IP/mask format (Specify IP address mask)

Type: string

Format: ipv4-netmask-brief

ip-sub

Description Specify IP information

Type: string

Format: ipv4-address

ipv6-multiple-fields

Specification	
Type	*list*
Block object keys	

ipv6-addr2-sub

Description Specify IPv6 address range

Type: string

Format: ipv6-address

ipv6-mask-sub

Description Specify IPv6/mask format (Specify IP address mask)

Type: number

Range: 0-128

ipv6-sub

Description Specify IPv6 information

Type: string

Format: ipv6-address

2.40.15 gslb policy geo-location-match

Specify match order of geographic

geo-location-match Specification

Type	*Configuration Resource*
Element Name	geo-location-match
Element URI	/axapi/v3/gslb/policy/{name}/geo-location-match
Element Attributes	geo-location-match_attributes
Schema	`geo-location-match schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

```
POST /axapi/v3/gslb/policy/a/geo-location-match
Payload:
{
    "geo-location-match": {
        "overlap": 1,
        "geo-type-overlap": "global"
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

```
GET /axapi/v3/gslb/policy/a/geo-location-match
Reponse:
{
    "geo-location-match": {
        "overlap": 1,
        "geo-type-overlap": "global",
        "match-first": "global",
        "uuid": "9e46b7e6-604b-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/policy/a/geo-location-match"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

```
PUT /axapi/v3/gslb/policy/a/geo-location-match
Payload:
{
    "geo-location-match": {
        "overlap": 1,
        "geo-type-overlap": "policy"
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

```
DELETE /axapi/v3/gslb/policy/a/geo-location-match
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

geo-location-match attributes

geo-type-overlap

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

match-first

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

Default: global

overlap

Description Enable overlap mode to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.16 gslb protocol

Specify GSLB Message Protocol parameters

protocol Specification

Type	*Configuration Resource*
Element Name	protocol
Element URI	/axapi/v3/gslb/protocol
Element Attributes	protocol_attributes
Operational Data URI	/axapi/v3/gslb/protocol/oper
Schema	`protocol schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol

protocol attributes

```
POST /axapi/v3/gslb/protocol
Payload:
{
    "protocol": {
        "auto-detect": 1,
        "enable-list": [
            {
                "type": "controller"
            }
        ]
```

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```
    }
}
```

Get Object

GET

/axapi/v3/gslb/protocol

protocol attributes

```
GET /axapi/v3/gslb/protocol
Reponse:
{
    "protocol": {
        "auto-detect": 1,
        "use-mgmt-port": 0,
        "msg-format-acos-2x": 0,
        "uuid": "04494d64-c86b-11e9-ba2d-9778838992f8",
        "enable-list": [
            {
                "type": "controller",
                "uuid": "ba1054fa-604b-11d9-a8dc-001fa00680a0",
                "a10-url": "/axapi/v3/gslb/protocol/enable/controller"
            }
        ],
        "secure": {
            "action": "disable",
            "uuid": "ebead500-5fff-11d9-8bda-9f1b8c3fd480",
            "a10-url": "/axapi/v3/gslb/protocol/secure"
        },
        "a10-url": "/axapi/v3/gslb/protocol"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/protocol

protocol attributes

Replace Object

PUT

/axapi/v3/gslb/protocol

protocol attributes

```
PUT /axapi/v3/gslb/protocol
Payload:
{
    "protocol": {
        "auto-detect": 0,
        "enable-list": [
            {
```

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```
                "type": "controller"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/protocol

protocol attributes

```
DELETE /axapi/v3/gslb/protocol
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

protocol attributes

auto-detect

Description Automatically detect SLB Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-list

Type: List

Refernce Object: */axapi/v3/gslb/protocol/enable/{type}*

limit

Description: limit is a **JSON Block**. Please see below for *limit*

Type: Object

Refernce Object: */axapi/v3/gslb/protocol/limit*

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ping-site

Description name of site or ip address to ping

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

secure

Description: secure is a **JSON Block**. Please see below for *secure*

Type: Object

Refernce Object: */axapi/v3/gslb/protocol/secure*

status-interval

Description Specify GSLB Message Protocol update period (The GSLB Protocol update interval (seconds), default is 30)

Type: number

Range: 1-1800

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and use-mgmt-port-for-all-partitions are mutually exclusive

use-mgmt-port-for-all-partitions

Description Use management port for connections in all L3v Partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port-for-all-partitions and use-mgmt-port are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secure

Specification	
Type	*object*

action

Description 'enable': Enable Secure; 'disable': Disable Secure (default); 'enable-fallback': Fall back to non-secure if fail;

Type: string

Supported Values: enable, disable, enable-fallback

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

limit

Specification	
Type	*object*

ardt-query

Description Query Messages of Active RDT, default is 200 (Number)

Type: number

Range: 0-1000000

Default: 200

ardt-response

Description Response Messages of Active RDT, default is 1000 (Number)

Type: number

Range: 0-1000000

Default: 1000

ardt-session

Description Sessions of Active RDT, default is 32768 (Number)

Type: number

Range: 0-1000000

Default: 32768

conn-response

Description Response Messages of Connection Load, default is no limit (Number)

Type: number

Range: 0-1000000

Default: 0

message

Description Amount of Messages, default is 10000 (Number)

Type: number

Range: 0-1000000

Default: 10000

response

Description Amount of Response Messages, default is 3600 (Number)

Type: number

Range: 0-1000000

Default: 3600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable-list

Specification	
Type	*list*
Block object keys	

type

Description 'controller': Enable/Disable GSLB protocol as GSLB controller; 'device': Enable/Disable GSLB protocol as site device;

Type: string

Supported Values: controller, device

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	session-list		session-list

2.40.17 gslb protocol enable

Enable/Disable GSLB Message Protocol

enable Specification

Type	*Collection*
Object Key(s)	*type*
Collection Name	*enable-list*
Collection URI	/axapi/v3/gslb/protocol/enable
Element Name	enable
Element URI	/axapi/v3/gslb/protocol/enable/{type}
Element Attributes	enable_attributes
Schema	`enable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol/enable

enable attributes

```
POST /axapi/v3/gslb/protocol/enable/
Payload:
{
    "enable": {
        "type": "controller"
    }
}
```

Create List

POST

/axapi/v3/gslb/protocol/enable

enable attributes

Get Object

GET

/axapi/v3/gslb/protocol/enable/{type}

enable attributes

```
GET /axapi/v3/gslb/protocol/enable/controller
Reponse:
{
    "enable": {
        "type": "controller",
        "uuid": "ec5b7bc4-604b-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/protocol/enable/controller"
    }
}
```

Get List

GET

/axapi/v3/gslb/protocol/enable

enable-list

Modify Object

POST

/axapi/v3/gslb/protocol/enable/{type}

enable attributes

Replace Object

PUT

/axapi/v3/gslb/protocol/enable/{type}

enable attributes

```
PUT /axapi/v3/gslb/protocol/enable/controller
Payload:
{
    "enable": {
        "type": "controller"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/protocol/enable

enable-list

Delete Object

DELETE

/axapi/v3/gslb/protocol/enable/{type}

enable attributes

```
DELETE /axapi/v3/gslb/protocol/enable/controller
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

enable-list

enable-list is **JSON List** of *enable attributes*

enable-list : [

{ *enable attributes* },

{ *enable attributes* },

...

]

enable attributes

type

Description 'controller': Enable/Disable GSLB protocol as GSLB controller; 'device': Enable/Disable GSLB protocol as site device;

Type: string

Supported Values: controller, device

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.18 gslb protocol limit

Specify limit for GSLB Message Protocol

limit Specification

Type	*Configuration Resource*
Element Name	limit
Element URI	/axapi/v3/gslb/protocol/limit
Element Attributes	limit_attributes
Schema	`limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol/limit

limit attributes

```
POST /axapi/v3/gslb/protocol/limit
Payload:
{
    "limit": {
        "ardt-query": 0
    }
}
```

Get Object

GET

/axapi/v3/gslb/protocol/limit

limit attributes

```
GET /axapi/v3/gslb/protocol/limit
Reponse:
{
    "limit": {
        "ardt-query": 0,
        "ardt-response": 1000,
        "ardt-session": 32768,
        "conn-response": 0,
        "response": 3600,
        "message": 10000,
        "uuid": "f7077082-604b-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/protocol/limit"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/protocol/limit

limit attributes

Replace Object

PUT

/axapi/v3/gslb/protocol/limit

limit attributes

```
PUT /axapi/v3/gslb/protocol/limit
Payload:
{
    "limit": {
        "ardt-query": 1
```

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```
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/protocol/limit

limit attributes

```
DELETE /axapi/v3/gslb/protocol/limit
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

limit attributes

ardt-query

Description Query Messages of Active RDT, default is 200 (Number)

Type: number

Range: 0-1000000

Default: 200

ardt-response

Description Response Messages of Active RDT, default is 1000 (Number)

Type: number

Range: 0-1000000

Default: 1000

ardt-session

Description Sessions of Active RDT, default is 32768 (Number)

Type: number

Range: 0-1000000

Default: 32768

conn-response

Description Response Messages of Connection Load, default is no limit (Number)

Type: number

Range: 0-1000000

Default: 0

message

Description Amount of Messages, default is 10000 (Number)

Type: number

Range: 0-1000000

Default: 10000

response

Description Amount of Response Messages, default is 3600 (Number)

Type: number

Range: 0-1000000

Default: 3600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.19 gslb protocol secure

GSLB Secure operation

secure Specification

Type	*Configuration Resource*
Element Name	secure
Element URI	/axapi/v3/gslb/protocol/secure
Element Attributes	secure_attributes
Schema	`secure schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol/secure

secure attributes

Get Object

GET

/axapi/v3/gslb/protocol/secure

secure attributes

Modify Object

POST

/axapi/v3/gslb/protocol/secure

secure attributes

Replace Object

PUT

/axapi/v3/gslb/protocol/secure

secure attributes

Delete Object

DELETE

/axapi/v3/gslb/protocol/secure

secure attributes

secure attributes

action

Description 'enable': Enable Secure; 'disable': Disable Secure (default); 'enable-fallback': Fall back to non-secure if fail;

Type: string

Supported Values: enable, disable, enable-fallback

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.20 gslb secure-attributes

GSLB Secure Settings per partition

secure-attributes Specification

Type	*Configuration Resource*
Element Name	secure-attributes
Element URI	/axapi/v3/gslb/secure-attributes
Element Attributes	secure-attributes_attributes
Schema	`secure-attributes schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

Get Object

GET

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

Modify Object

POST

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

Replace Object

PUT

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

Delete Object

DELETE

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

secure-attributes attributes

action

Description 'enable': Enable Secure; 'disable': Disable Secure; 'enable-fallback': Fall back to non-secure if fail; 'use-global-behavior': Follow global configuration under gslb protocol (default);

Type: string

Supported Values: enable, disable, enable-fallback, use-global-behavior

Default: use-global-behavior

gslb-cert

Description Certificate for Secure GSLB (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

gslb-key

Description Private Key for secure gslb signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.21 gslb service-group

Specify GSLB Service Group

service-group Specification

Type	*Collection*
Object Key(s)	*service-group-name*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/gslb/service-group
Element Name	service-group
Element URI	/axapi/v3/gslb/service-group/{service-group-name}
Element Attributes	service-group_attributes
Operational Data URI	/axapi/v3/gslb/service-group/{service-group-name}/oper
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-group

service-group attributes

```
POST /axapi/v3/gslb/service-group/
Payload:
{
    "service-group": {
        "service-group-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/service-group

service-group attributes

Get Object

GET

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

```
GET /axapi/v3/gslb/service-group/a
Reponse:
{
    "service-group": {
        "service-group-name": "a",
        "disable": 0,
        "dependency-site": 0,
        "persistent-site": 0,
        "uuid": "2cbad4da-604c-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/service-group/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/service-group

service-group-list

Modify Object

POST

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

Replace Object

PUT

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

```
PUT /axapi/v3/gslb/service-group/a
Payload:
{
    "service-group": {
        "service-group-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/service-group

service-group-list

Delete Object

DELETE

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

```
DELETE /axapi/v3/gslb/service-group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

dependency-site

Description Dependency on site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-site-list

Type: List

member

Type: List

persistent-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

persistent-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

persistent-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

persistent-site

Description Persistent based on site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-name

Description Specify Service Group name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-site-list

Specification	
Type	*list*
Block object keys	

disable-site

Description Site name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/site*

member

Specification	
Type	*list*
Block object keys	

member-name

Description Service name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	total-sessions	number	total-sessions
	session-list		session-list
	matched	number	matched

2.40.22 gslb service-ip

Service IP

service-ip Specification

Type	*Collection*
Object Key(s)	*node-name*
Collection Name	*service-ip-list*
Collection URI	/axapi/v3/gslb/service-ip
Element Name	service-ip
Element URI	/axapi/v3/gslb/service-ip/{node-name}
Element Attributes	service-ip_attributes
Statistics Data URI	/axapi/v3/gslb/service-ip/{node-name}/stats
Operational Data URI	/axapi/v3/gslb/service-ip/{node-name}/oper
Schema	`service-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip

service-ip attributes

```
POST /axapi/v3/gslb/service-ip/
Payload:
{
    "service-ip": {
        "node-name": "a",
        "ipv6-address": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/gslb/service-ip

service-ip attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

```
GET /axapi/v3/gslb/service-ip/a
Reponse:
{
```

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```
    "service-ip": {
        "node-name": "a",
        "ipv6-address": "2003::1",
        "action": "enable",
        "health-check-protocol-disable": 0,
        "health-check-disable": 0,
        "uuid": "55ec860a-604c-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/service-ip/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/service-ip

service-ip-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

```
PUT /axapi/v3/gslb/service-ip/a
Payload:
{
    "service-ip": {
        "node-name": "a",
        "ipv6-address": "2003::2"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/service-ip

service-ip-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

```
DELETE /axapi/v3/gslb/service-ip/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

service-ip-list

service-ip-list is **JSON List** of *service-ip attributes*

service-ip-list : [

{ *service-ip attributes* },

{ *service-ip attributes* },

...

]

service-ip attributes

action

Description 'enable': Enable this GSLB server; 'disable': Disable this GSLB server;

Type: string

Supported Values: enable, disable

Default: enable

external-ip

Description External IP address for NAT

Type: string

Format: ipv4-address

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-address

Description IP address

Type: string

Format: ipv4-address

ipv6

Description IPv6 address Mapping

Type: string

Format: ipv6-address

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

node-name

Description Service-IP Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Type: List

Refernce Object: */axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable health-check and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port health-check and health-check-disable are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the service IP has been selected; 'recent': Recent hits;

Type: string

Supported Values: all, hits, recent

stats data

	Counter	Size	Description
	hits	8	Number of times the service IP has been selected
	recent	8	Recent hits

operational data

	Counter	Size	Description
	use_gslb_state	number	use_gslb_state
	gslb-protocol	number	gslb-protocol
	ip	string	ip
	dynamic	number	dynamic
	manually-health-check	number	manually-health-check
	disabled	number	disabled
	state	string	state
	service-ip	string	service-ip
	port-count	number	port-count
	local-protocol	number	local-protocol
	virtual-server	number	virtual-server

2.40.23 gslb service-ip port

Server Port

port Specification

Type	*Collection*
Object Key(s)	*port-num, port-proto*
Collection Name	*port-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}/port
Element Name	port
Element URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}
Element Attributes	port_attributes
Statistics Data URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/stats
Operational Data URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}/port

port attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}/port

port attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}/port

port-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}/port

port-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable health-check and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port health-check and health-check-disable are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

stats data

	Counter	Size	Description
	active	8	Active Servers
	current	8	Current Connections

operational data

	Counter	Size	Description
	use_gslb_state	number	use_gslb_state
	gslb-protocol	number	gslb-protocol
	service-port	number	service-port
	dynamic	number	dynamic
	tcp	number	tcp
	disabled	number	disabled
	state	string	state
	local-protocol	number	local-protocol
	manually-health-check	number	manually-health-check

2.40.24 gslb site

Specify a GSLB site

site Specification

Type	*Collection*
Object Key(s)	*site-name*
Collection Name	*site-list*
Collection URI	/axapi/v3/gslb/site
Element Name	site
Element URI	/axapi/v3/gslb/site/{site-name}
Element Attributes	site_attributes
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/oper
Schema	`site schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site

site attributes

```
POST /axapi/v3/gslb/site/a/ip-server/
Payload:
{
    "ip-server": {
        "ip-server-name": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/site

site attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}

site attributes

```
GET /axapi/v3/gslb/site/a/ip-server/a
Reponse:
{
    "ip-server": {
        "ip-server-name": "a",
        "uuid": "3ab1bbd8-6049-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/site/a/ip-server/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/site

site-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}

site attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}

site attributes

```
PUT /axapi/v3/gslb/site/a/ip-server/a
Payload:
{
```

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```
    "ip-server": {
        "ip-server-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/site

site-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}

site attributes

```
DELETE /axapi/v3/gslb/site/a/ip-server/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

site-list

site-list is **JSON List** of *site attributes*

site-list : [

{ *site attributes* },

{ *site attributes* },

...

]

site attributes

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *active-rdt*

Type: Object

Refernce Object: */axapi/v3/gslb/site/{site-name}/active-rdt*

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

bw-cost

Description Specify cost of band-width

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

controller

Description Specify the local controller for the GSLB site (Specify the hostname of the local controller)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

disable

Description Disable all servers in the GSLB site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

easy-rdt

Description: easy-rdt is a **JSON Block**. Please see below for *easy-rdt*

Type: Object

Refernce Object: */axapi/v3/gslb/site/{site-name}/easy-rdt*

ip-server-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}*

limit

Description Specify the limit for bandwidth, default is unlimited

Type: number

Range: 0-2147483647

multiple-geo-locations

Type: List

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proto-aging-time

Description Specify GSLB Protocol aging time

Type: number

Range: 0-65535

Default: 0

site-name

Description Specify GSLB site name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

slb-dev-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}*

template

Description Specify template to collect site information (Specify template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/template/snmp*

threshold

Description Specify the threshold for limit

Type: number

Range: 0-100

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify a weight for the GSLB site (Weight, default is 1)

Type: number

Range: 1-100

Default: 1

ip-server-list

Specification	
Type	*list*
Block object keys	

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-dev-list

Specification	
Type	*list*
Block object keys	

admin-preference

Description Specify administrative preference (Specify admin-preference value,default is 100)

Type: number

Range: 0-255

Default: 100

auto-detect

Description 'ip': Service IP only; 'port': Service Port only; 'ip-and-port': Both service IP and service port; 'disabled': disable auto-detect;

Type: string

Supported Values: ip, port, ip-and-port, disabled

Default: ip-and-port

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

client-ip

Description Specify client IP address

Type: string

Format: ipv4-address

device-name

Description Specify SLB device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

gateway-ip-addr

Description IP address

Type: string

Format: ipv4-address

health-check-action

Description 'health-check': Enable health Check; 'health-check-disable': Disable health check;

Type: string

Supported Values: health-check, health-check-disable

Default: health-check

ip-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description IPv6 address

Type: string

Format: ipv6-address

max-client

Description Specify maximum number of clients, default is 32768

Type: number

Range: 1-2147483647

Default: 32768

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

probe-timer

Description

Type: number

Range: 1-255

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

proto-aging-time

Description Specify GSLB Protocol aging time, default is 60

Type: number

Range: 1-65535

Default: 60

proto-compatible

Description Run GSLB Protocol in compatible mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdt-type

Description 'rdt': rdt; 'site-rdt': site-rdt;

Type: string

Supported Values: rdt, site-rdt

rdt-value

Description Specify Round-delay-time

Type: number

Range: 1-65535

session-number

Description

Type: number

Range: 0-16777214

session-utilization

Description

Type: number

Range: 1-100

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server

Description: vip-server is a **JSON Block**. Please see below for *slb-dev-list_vip-server*

Type: Object

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server*

slb-dev-list_vip-server

Specification	
Type	*object*

vip-server-name-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}*

slb-dev-list_vip-server_vip-server-v4-list

Specification	
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-dev-list_vip-server_vip-server-v4-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

slb-dev-list_vip-server_vip-server-v6-list

Specification	
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-dev-list_vip-server_vip-server-v6-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

slb-dev-list_vip-server_vip-server-name-list

Specification	
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

slb-dev-list_vip-server_vip-server-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

multiple-geo-locations

Specification	
Type	*list*
Block object keys	

geo-location

Description Specify the geographic location of the GSLB site (Specify geo-location for this site)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

easy-rdt

Specification	
Type	*object*

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-rdt

Specification	
Type	*object*

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	hits	8	Number of times the site was selected

operational data

	Counter	Size	Description
	client-ldns-list		client-ldns-list
	state	string	state
	type-last		type-last
	gslb-site	string	gslb-site

2.40.25 gslb site active-rdt

Active RDT options

active-rdt Specification

Type	*Configuration Resource*
Element Name	active-rdt
Element URI	/axapi/v3/gslb/site/{site-name}/active-rdt
Element Attributes	active-rdt_attributes
Schema	`active-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

```
POST /axapi/v3/gslb/site/a/active-rdt
Payload:
{
```

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```
    "active-rdt": {
        "aging-time": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

```
GET /axapi/v3/gslb/site/a/active-rdt
Reponse:
{
    "active-rdt": {
        "aging-time": 1,
        "smooth-factor": 10,
        "range-factor": 25,
        "limit": 16383,
        "mask": "/32",
        "ipv6-mask": 128,
        "ignore-count": 5,
        "bind-geoloc": 0,
        "uuid": "e3b4fb3e-604c-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/site/a/active-rdt"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

```
PUT /axapi/v3/gslb/site/a/active-rdt
Payload:
{
    "active-rdt": {
        "smooth-factor": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

```
DELETE /axapi/v3/gslb/site/a/active-rdt
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

active-rdt attributes

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.26 gslb site easy-rdt

Active RDT options

easy-rdt Specification

Type	*Configuration Resource*
Element Name	easy-rdt
Element URI	/axapi/v3/gslb/site/{site-name}/easy-rdt
Element Attributes	easy-rdt_attributes
Schema	`easy-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

```
POST /axapi/v3/gslb/site/a/easy-rdt
Payload:
{
    "easy-rdt": {
        "aging-time": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

```
GET /axapi/v3/gslb/site/a/easy-rdt
Reponse:
{
    "easy-rdt": {
        "aging-time": 1,
        "smooth-factor": 10,
        "range-factor": 25,
        "limit": 16383,
        "mask": "/32",
        "ignore-count": 5,
        "bind-geoloc": 0,
        "uuid": "07dd8bc0-604d-11d9-a8dc-001fa00680a0",
        "a10-url": "/axapi/v3/gslb/site/a/easy-rdt"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

```
PUT /axapi/v3/gslb/site/a/easy-rdt
Payload:
{
    "easy-rdt": {
```

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```
        "smooth-factor": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

```
DELETE /axapi/v3/gslb/site/a/easy-rdt
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

easy-rdt attributes

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.27 gslb site ip-server

Specify a real server for the GSLB site

ip-server Specification

Type	*Collection*
Object Key(s)	*ip-server-name*
Collection Name	*ip-server-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/ip-server
Element Name	ip-server
Element URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}
Element Attributes	ip-server_attributes
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/oper
Schema	`ip-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/ip-server

ip-server attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/ip-server

ip-server attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/ip-server

ip-server-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/ip-server

ip-server-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

ip-server-list

ip-server-list is **JSON List** of *ip-server attributes*

ip-server-list : [

{ *ip-server attributes* },

{ *ip-server attributes* },

...

]

ip-server attributes

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	hits	8	Number of times the IP was selected

operational data

	Counter	Size	Description
	state	string	state
	ip-server	string	ip-server
	ip-server-port		ip-server-port
	ip-address	string	ip-address

2.40.28 gslb site slb-dev

Specify a SLB device for the GSLB site

slb-dev Specification

Type	*Collection*
Object Key(s)	*device-name*
Collection Name	*slb-dev-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev
Element Name	slb-dev
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}
Element Attributes	slb-dev_attributes
Operational Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/oper
Schema	`slb-dev schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev

slb-dev attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev

slb-dev attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev

slb-dev-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev

slb-dev-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

slb-dev-list

slb-dev-list is **JSON List** of *slb-dev attributes*

slb-dev-list : [

{ *slb-dev attributes* },

{ *slb-dev attributes* },

...

]

slb-dev attributes

admin-preference

Description Specify administrative preference (Specify admin-preference value,default is 100)

Type: number

Range: 0-255

Default: 100

auto-detect

Description 'ip': Service IP only; 'port': Service Port only; 'ip-and-port': Both service IP and service port; 'disabled': disable auto-detect;

Type: string

Supported Values: ip, port, ip-and-port, disabled

Default: ip-and-port

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

client-ip

Description Specify client IP address

Type: string

Format: ipv4-address

device-name

Description Specify SLB device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

gateway-ip-addr

Description IP address

Type: string

Format: ipv4-address

health-check-action

Description 'health-check': Enable health Check; 'health-check-disable': Disable health check;

Type: string

Supported Values: health-check, health-check-disable

Default: health-check

ip-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description IPv6 address

Type: string

Format: ipv6-address

max-client

Description Specify maximum number of clients, default is 32768

Type: number

Range: 1-2147483647

Default: 32768

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

probe-timer

Description

Type: number

Range: 1-255

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

proto-aging-time

Description Specify GSLB Protocol aging time, default is 60

Type: number

Range: 1-65535

Default: 60

proto-compatible

Description Run GSLB Protocol in compatible mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdt-type

Description 'rdt': rdt; 'site-rdt': site-rdt;

Type: string

Supported Values: rdt, site-rdt

rdt-value

Description Specify Round-delay-time

Type: number

Range: 1-65535

session-number

Description

Type: number

Range: 0-16777214

session-utilization

Description

Type: number

Range: 1-100

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server

Description: vip-server is a **JSON Block**. Please see below for *vip-server*

Type: Object

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server*

vip-server

Specification	
Type	*object*

vip-server-name-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}*

vip-server_vip-server-v4-list

Specification	
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server_vip-server-v4-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

vip-server_vip-server-v6-list

Specification	
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server_vip-server-v6-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

vip-server_vip-server-name-list

Specification	
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

vip-server_vip-server-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

operational data

	Counter	Size	Description
	dev_gw_state	string	dev_gw_state
	dev_attr	string	dev_attr
	dev_ip_cnt	number	dev_ip_cnt
	dev_name	string	dev_name
	dev_ip	string	dev_ip
	dev-state	string	dev-state
	dev_session_num	number	dev_session_num
	dev_admin_preference	number	dev_admin_preference
	client-ldns-list		client-ldns-list
	dev_session_util	number	dev_session_util

2.40.29 gslb site slb-dev vip-server

Specify a VIP for the SLB device

vip-server Specification

Type	*Intermediate Resource*
Element Name	vip-server
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server
Element Attributes	vip-server_attributes
Schema	`vip-server schema`

Operations Allowed:

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server

vip-server_attributes

vip-server attributes

vip-server-name-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Refernce Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}*

vip-server-v4-list

Specification	
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server-v4-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

vip-server-v6-list

Specification	
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server-v6-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

vip-server-name-list

Specification	
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

vip-server-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

2.40.30 gslb site slb-dev vip-server vip-server-name

Specify a VIP for the SLB device

vip-server-name Specification

Type	*Collection*
Object Key(s)	*vip-name*
Collection Name	*vip-server-name-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name
Element Name	vip-server-name
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}
Element Attributes	vip-server-name_attributes
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/oper
Schema	`vip-server-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name

vip-server-name attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name

vip-server-name attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name

vip-server-name-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name

vip-server-name-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

vip-server-name-list

vip-server-name-list is **JSON List** of *vip-server-name attributes*

vip-server-name-list : [

{ *vip-server-name attributes* },

{ *vip-server-name attributes* },

...

]

vip-server-name attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

stats data

	Counter	Size	Description
	dev_vip_hits	8	Number of times the service-ip was selected

operational data

	Counter	Size	Description
	dev_vip_addr	string	dev_vip_addr
	dev_vip_state	string	dev_vip_state
	dev-vip-port-list		dev-vip-port-list

2.40.31 gslb site slb-dev vip-server vip-server-v4

Specify a VIP for the SLB device

vip-server-v4 Specification

Type	*Collection*
Object Key(s)	*ipv4*
Collection Name	*vip-server-v4-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4
Element Name	vip-server-v4
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}
Element Attributes	vip-server-v4_attributes
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/oper
Schema	`vip-server-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4

vip-server-v4 attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4

vip-server-v4 attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4

vip-server-v4-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4

vip-server-v4-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

vip-server-v4-list

vip-server-v4-list is **JSON List** of *vip-server-v4 attributes*

vip-server-v4-list : [

{ *vip-server-v4 attributes* },

{ *vip-server-v4 attributes* },

...

]

vip-server-v4 attributes

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

stats data

	Counter	Size	Description
	dev_vip_hits	8	Number of times the service-ip was selected

operational data

	Counter	Size	Description
	dev_vip_addr	string	dev_vip_addr
	dev_vip_state	string	dev_vip_state
	dev-vip-port-list		dev-vip-port-list

2.40.32 gslb site slb-dev vip-server vip-server-v6

Specify a VIP for the SLB device

vip-server-v6 Specification

Type	*Collection*
Object Key(s)	*ipv6*
Collection Name	*vip-server-v6-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6
Element Name	vip-server-v6
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}
Element Attributes	vip-server-v6_attributes
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/oper
Schema	`vip-server-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6

vip-server-v6 attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6

vip-server-v6 attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6

vip-server-v6-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6

vip-server-v6-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

vip-server-v6-list

vip-server-v6-list is **JSON List** of *vip-server-v6 attributes*

vip-server-v6-list : [

{ *vip-server-v6 attributes* },

{ *vip-server-v6 attributes* },

...

]

vip-server-v6 attributes

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits

stats data

	Counter	Size	Description
	dev_vip_hits	8	Number of times the service-ip was selected

operational data

	Counter	Size	Description
	dev_vip_addr	string	dev_vip_addr
	dev_vip_state	string	dev_vip_state
	dev-vip-port-list		dev-vip-port-list

2.40.33 gslb statistics

GSLB Global stats

statistics Specification

Type	*Configuration Resource*
Element Name	statistics
Element URI	/axapi/v3/gslb/statistics
Element Attributes	statistics_attributes
Operational Data URI	/axapi/v3/gslb/statistics/oper
Schema	`statistics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/statistics

statistics attributes

Get Object

GET

/axapi/v3/gslb/statistics

statistics attributes

Modify Object

POST

/axapi/v3/gslb/statistics

statistics attributes

Replace Object

PUT

/axapi/v3/gslb/statistics

statistics attributes

Delete Object

DELETE

/axapi/v3/gslb/statistics

statistics attributes

statistics attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	curr-ssl-ctx	number	curr-ssl-ctx

2.40.34 gslb system

GSLB system options

system Specification

Type	*Configuration Resource*
Element Name	system
Element URI	/axapi/v3/gslb/system
Element Attributes	system_attributes
Schema	`system schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/system

system attributes

```
POST /axapi/v3/gslb/system
Payload:
{
    "system": {
        "ttl": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/system

system attributes

```
GET /axapi/v3/gslb/system
Reponse:
{
    "system": {
        "ttl": 1,
        "module": 0,
        "ip-ttl": 0,
        "wait": 0,
        "age-interval": 10,
        "geo-location-iana": 1,
        "uuid": "04494a08-c86b-11e9-ba2d-9778838992f8",
        "a10-url": "/axapi/v3/gslb/system"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/system

system attributes

Replace Object

PUT

/axapi/v3/gslb/system

system attributes

```
PUT /axapi/v3/gslb/system
Payload:
{
    "system": {
        "ttl": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/system

system attributes

```
DELETE /axapi/v3/gslb/system
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

system attributes

age-interval

Description Interval to age runtime statistics. 0: never age, default is 10 (Time, unit: sec, default is 10)

Type: number

Range: 0-120

Default: 10

geo-location-iana

Description Load built-in IANA table

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

gslb-group

Description GSLB Group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-load-file-list

Type: List

gslb-service-ip

Description GSLB Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-site

Description GSLB Site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hostname

Description System's Network Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-ttl

Description TTL of IP packets, default is 0 (IP TTL value, default is 0)

Type: number

Range: 0-255

Default: 0

module

Description Specify Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-device

Description SLB Device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-server

Description SLB Server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-virtual-server

Description SLB Virtual Server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wait

Description Disable GSLB until timeout if system is not ready (Time, unit: sec, default is 0)

Type: number

Range: 0-16384

Default: 0

gslb-load-file-list

Specification	
Type	*list*
Block object keys	

geo-location-load-filename

Description Specify file to be loaded

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-name

Description CSV template to load this file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/template/csv*

2.40.35 gslb template

Specify a GSLB template

template Specification

Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/gslb/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/gslb/template

template_attributes

template attributes

csv-list

Type: List

Refernce Object: */axapi/v3/gslb/template/csv/{csv-name}*

snmp-list

Type: List

Refernce Object: */axapi/v3/gslb/template/snmp/{snmp-name}*

snmp-list

Specification	
Type	*list*
Block object keys	

auth-key

Description Specify authentication key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

auth-proto

Description 'sha': SHA; 'md5': MD5;

Type: string

Supported Values: sha, md5

Default: md5

community

Description Specify community for version 2c (Community name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-engine-id

Description Specify context engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-name

Description Specify context name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Description Specify host (Host name or ip address)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

interface

Description Specify Interface ID

Type: number

Range: 0-2147483647

interval

Description Specify interval, default is 3 (Interval, unit: second, default is 3)

Type: number

Range: 1-999

Default: 3

oid

Description Specify OID

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Specify port, default is 161 (Port Number, default is 161)

Type: number

Range: 1-65535

Default: 161

priv-key

Description Specify privacy key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

priv-proto

Description 'aes': AES; 'des': DES;

Type: string

Supported Values: aes, des

Default: des

security-engine-id

Description Specify security engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

security-level

Description 'no-auth': No authentication; 'auth-no-priv': Authentication, but no privacy; 'auth-priv': Authentication and privacy;

Type: string

Supported Values: no-auth, auth-no-priv, auth-priv

Default: no-auth

snmp-name

Description Specify name of snmp template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Specify username (User name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description 'v1': Version 1; 'v2c': Version 2c; 'v3': Version 3;

Type: string

Supported Values: v1, v2c, v3

Default: v3

csv-list

Specification	
Type	*list*
Block object keys	

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

csv-list_multiple-fields

Specification	
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

2.40.36 gslb template csv

Specify csv template

csv Specification

Type	*Collection*
Object Key(s)	*csv-name*
Collection Name	*csv-list*
Collection URI	/axapi/v3/gslb/template/csv
Element Name	csv
Element URI	/axapi/v3/gslb/template/csv/{csv-name}
Element Attributes	csv_attributes
Schema	`csv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/template/csv

csv attributes

```
POST /axapi/v3/gslb/template/csv/
Payload:
{
    "csv": {
        "csv-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/template/csv

csv attributes

Get Object

GET

/axapi/v3/gslb/template/csv/{csv-name}

csv attributes

```
GET /axapi/v3/gslb/template/csv/a
Reponse:
{
    "csv": {
        "csv-name": "a",
        "delim-num": 44,
        "ipv6-enable": 0,
        "uuid": "2f04ca00-604e-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/template/csv/a"
```

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```
    }
}
```

Get List

GET

/axapi/v3/gslb/template/csv

csv-list

Modify Object

POST

/axapi/v3/gslb/template/csv/{csv-name}

csv attributes

Replace Object

PUT

/axapi/v3/gslb/template/csv/{csv-name}

csv attributes

```
PUT /axapi/v3/gslb/template/csv/a
Payload:
{
    "csv": {
        "csv-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/template/csv

csv-list

Delete Object

DELETE

/axapi/v3/gslb/template/csv/{csv-name}

csv attributes

```
DELETE /axapi/v3/gslb/template/csv/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

csv-list

csv-list is **JSON List** of *csv attributes*

csv-list : [

{ *csv attributes* },

{ *csv attributes* },

...

]

csv attributes

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

multiple-fields

Specification	
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

2.40.37 gslb template snmp

Specify SNMP template

snmp Specification

Type	*Collection*
Object Key(s)	*snmp-name*
Collection Name	*snmp-list*
Collection URI	/axapi/v3/gslb/template/snmp
Element Name	snmp
Element URI	/axapi/v3/gslb/template/snmp/{snmp-name}
Element Attributes	snmp_attributes
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/template/snmp

snmp attributes

```
POST /axapi/v3/gslb/template/snmp/
Payload:
{
    "snmp": {
        "snmp-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/template/snmp

snmp attributes

Get Object

GET

/axapi/v3/gslb/template/snmp/{snmp-name}

snmp attributes

```
GET /axapi/v3/gslb/template/snmp/a
Reponse:
{
    "snmp": {
        "snmp-name": "a",
        "version": "v3",
        "security-level": "no-auth",
        "port": 161,
        "interval": 3,
        "auth-proto": "md5",
```

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```
        "priv-proto": "des",
        "uuid": "4660a566-604e-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/template/snmp/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/template/snmp

snmp-list

Modify Object

POST

/axapi/v3/gslb/template/snmp/{snmp-name}

snmp attributes

Replace Object

PUT

/axapi/v3/gslb/template/snmp/{snmp-name}

snmp attributes

```
PUT /axapi/v3/gslb/template/snmp/a
Payload:
{
    "snmp": {
        "snmp-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/template/snmp

snmp-list

Delete Object

DELETE

/axapi/v3/gslb/template/snmp/{snmp-name}

snmp attributes

```
DELETE /axapi/v3/gslb/template/snmp/a
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

snmp-list

snmp-list is **JSON List** of *snmp attributes*

snmp-list : [

{ *snmp attributes* },

{ *snmp attributes* },

...

]

snmp attributes

auth-key

Description Specify authentication key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

auth-proto

Description 'sha': SHA; 'md5': MD5;

Type: string

Supported Values: sha, md5

Default: md5

community

Description Specify community for version 2c (Community name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-engine-id

Description Specify context engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-name

Description Specify context name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Description Specify host (Host name or ip address)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

interface

Description Specify Interface ID

Type: number

Range: 0-2147483647

interval

Description Specify interval, default is 3 (Interval, unit: second, default is 3)

Type: number

Range: 1-999

Default: 3

oid

Description Specify OID

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Specify port, default is 161 (Port Number, default is 161)

Type: number

Range: 1-65535

Default: 161

priv-key

Description Specify privacy key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

priv-proto

Description 'aes': AES; 'des': DES;

Type: string

Supported Values: aes, des

Default: des

security-engine-id

Description Specify security engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

security-level

Description 'no-auth': No authentication; 'auth-no-priv': Authentication, but no privacy; 'auth-priv': Authentication and privacy;

Type: string

Supported Values: no-auth, auth-no-priv, auth-priv

Default: no-auth

snmp-name

Description Specify name of snmp template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Specify username (User name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description 'v1': Version 1; 'v2c': Version 2c; 'v3': Version 3;

Type: string

Supported Values: v1, v2c, v3

Default: v3

2.40.38 gslb zone

Specify the DNS zone name for which global SLB is provided

zone Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*zone-list*
Collection URI	/axapi/v3/gslb/zone
Element Name	zone
Element URI	/axapi/v3/gslb/zone/{name}
Element Attributes	zone_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/oper
Schema	`zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone

zone attributes

```
POST /axapi/v3/gslb/zone/
Payload:
{
    "zone": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/zone

zone attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}

zone attributes

```
GET /axapi/v3/gslb/zone/a
Reponse:
{
    "zone": {
        "name": "a",
        "disable": 0,
        "policy": "default",
        "ttl": 10,
        "uuid": "57f8b714-604e-11d9-a8dc-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/zone/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/zone

zone-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}

zone attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}

zone attributes

```
PUT /axapi/v3/gslb/zone/a
Payload:
{
    "zone": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/zone

zone-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}

zone attributes

```
DELETE /axapi/v3/gslb/zone/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

zone-list

zone-list is **JSON List** of *zone attributes*

zone-list : [

{ *zone attributes* },

{ *zone attributes* },

...

]

zone attributes

disable

Description Disable all services in the GSLB zone

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-mx-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}*

dns-ns-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}*

dns-soa-record

Description: dns-soa-record is a **JSON Block**. Please see below for *dns-soa-record*

Type: Object

name

Description Specify the name for the DNS zone

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Specify the policy for this zone (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

sampling-enable

Type: List

service-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

ttl

Description Specify the zone ttl value (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ns-record-list

Specification	
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ns-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-mx-record-list

Specification	
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-mx-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Total Number of DNS queries received for the zone; 'sent-response': Total Number of DNS replies sent to clients for the zone; 'proxy-mode-response': Total Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the zone; 'cache-mode-response': Total Number of cached DNS replies sent to clients by the ACOS device for the zone. (This statistic applies only if the DNS cac; 'server-mode-response': Total Number of DNS replies sent to clients by the ACOS device as a DNS server for the zone. (This statistic applies only if th; 'sticky-mode-response': Total Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies on; 'backup-mode-response': Total Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response

template

Specification	
Type	*object*

dnssec

Description Specify DNSSEC template (Specify template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dns-soa-record

Specification	
Type	*object*

ex-expire

Description Specify Expire Time Interval, default is 1209600

Type: number

Range: 0-2147483647

Default: 1209600

ex-mail

Description Mailbox

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ex-refresh

Description Specify Refresh Time Interval, default is 3600

Type: number

Range: 0-2147483647

Default: 3600

ex-retry

Description Specify Retry Time Interval, default is 900

Type: number

Range: 0-2147483647

Default: 900

ex-serial

Description Specify Serial Number, default is Current Time (Time Interval)

Type: number

Range: 0-2147483647

ex-soa-ttl

Description Specify Negative caching TTL, default is Zone TTL

Type: number

Range: 0-2147483647

expire

Description Specify Expire Time Interval, default is 1209600

Type: number

Range: 0-2147483647

Default: 1209600

external

Description Specify External SOA Record (DNS Server Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

mail

Description Mailbox

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

refresh

Description Specify Refresh Time Interval, default is 3600

Type: number

Range: 0-2147483647

Default: 3600

retry

Description Specify Retry Time Interval, default is 900

Type: number

Range: 0-2147483647

Default: 900

serial

Description Specify Serial Number, default is Current Time (Time Interval)

Type: number

Range: 0-2147483647

soa-name

Description DNS Server Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

soa-ttl

Description Specify Negative caching TTL, default is Zone TTL

Type: number

Range: 0-2147483647

service-list

Specification	
Type	*list*
Block object keys	

action

Description 'drop': Drop query; 'forward': Forward packet; 'ignore': Send empty response; 'reject': Send refuse response;

Type: string

Supported Values: drop, forward, ignore, reject

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record

Description: dns-a-record is a **JSON Block**. Please see below for *service-list_dns-a-record*

Type: Object

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record*

dns-cname-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}*

dns-mx-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}*

dns-naptr-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}*

dns-ns-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}*

dns-ptr-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}*

dns-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}*

dns-srv-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}*

dns-txt-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}*

forward-type

Description 'both': Forward both query and response; 'query': Forward query; 'response': Forward response;

Type: string

Supported Values: both, query, response

geo-location-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}*

health-check-gateway

Description 'enable': Enable Gateway Status Check; 'disable': Disable Gateway Status Check;

Type: string

Supported Values: enable, disable

Default: enable

health-check-port

Type: List

policy

Description Specify policy for this service (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-a-record

Specification	
Type	*object*

dns-a-record-ipv4-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}*

dns-a-record-ipv6-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}*

dns-a-record-srv-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}*

service-list_dns-a-record_dns-a-record-ipv6-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

service-list_dns-a-record_dns-a-record-ipv4-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

service-list_dns-a-record_dns-a-record-srv-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

service-list_health-check-port

Specification	
Type	*list*
Block object keys	

health-check-port

Description Check Related Port Status (Port Number)

Type: number

Range: 0-65534

service-list_dns-txt-record-list

Specification	
Type	*list*
Block object keys	

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

txt-data

Description Specify TXT Data

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-txt-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_dns-mx-record-list

Specification	
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-mx-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_dns-record-list

Specification	
Type	*list*
Block object keys	

data

Description Specify DNS Data

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

type

Description Specify DNS Type

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-ns-record-list

Specification	
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-ns-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Number of DNS queries received for the service; 'sent-response': Number of DNS replies sent to clients for the service; 'proxy-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service; 'cache-mode-response': Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache; 'server-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D; 'sticky-mode-response': Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if; 'backup-mode-response': help Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response

service-list_dns-srv-record-list

Specification	
Type	*list*
Block object keys	

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 10

Type: number

Range: 0-65535

Default: 10

service-list_dns-srv-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_dns-ptr-record-list

Specification	
Type	*list*
Block object keys	

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-ptr-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_dns-cname-record-list

Specification	
Type	*list*
Block object keys	

admin-preference

Description Specify Administrative Preference, default is 100

Type: number

Range: 0-255

Default: 100

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 1

Type: number

Range: 1-100

Default: 1

service-list_dns-cname-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cname-hits': Number of times the CNAME has been used;

Type: string

Supported Values: all, cname-hits

service-list_geo-location-list

Specification	
Type	*list*
Block object keys	

action

Description Action for this geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: action and policy are mutually exclusive

action-type

Description 'allow': Allow query from this geo-location; 'drop': Drop query from this geo-location; 'forward': Forward packet for this geo-location; 'ignore': Send empty response to this geo-location; 'reject': Send refuse response to this geo-location;

Type: string

Supported Values: allow, drop, forward, ignore, reject

alias

Type: List

forward-type

Description 'both': Forward both query and response; 'query': Forward query from this geo-location; 'response': Forward response to this geo-location;

Type: string

Supported Values: both, query, response

geo-name

Description Specify the geo-location

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Policy for this geo-location (Specify the policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: policy and action are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_geo-location-list_alias

Specification	
Type	*list*
Block object keys	

alias

Description Send CNAME response for this geo-location (Specify a CNAME record)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

service-list_dns-naptr-record-list

Specification	
Type	*list*
Block object keys	

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

order

Description Specify Order

Type: number

Range: 0-65535

preference

Description Specify Preference

Type: number

Range: 0-65535

regexp

Description Return the regular expression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-naptr-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'naptr-hits': Number of times the NAPTR has been used;

Type: string

Supported Values: all, naptr-hits

stats data

	Counter	Size	Description
	received-query	8	Total Number of DNS queries received for the zone
	sent-response	8	Total Number of DNS replies sent to clients for the zone
	sticky-mode-response	8	Total Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies on
	server-mode-response	8	Total Number of DNS replies sent to clients by the ACOS device as a DNS server for the zone. (This statistic applies only if th
	cache-mode-response	8	Total Number of cached DNS replies sent to clients by the ACOS device for the zone. (This statistic applies only if the DNS cac
	backup-mode-response	8	Total Number of DNS replies sent to clients by the ACOS device in backup mode
	proxy-mode-response	8	Total Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the zone

operational data

	Counter	Size	Description
	state	string	state

2.40.39 gslb zone dns-mx-record

Specify DNS MX Record

dns-mx-record Specification

Type	*Collection*
Object Key(s)	*mx-name*
Collection Name	*dns-mx-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-mx-record
Element Name	dns-mx-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}
Element Attributes	dns-mx-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/oper
Schema	`dns-mx-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record

dns-mx-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record

dns-mx-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-mx-record

dns-mx-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-mx-record

dns-mx-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

dns-mx-record-list

dns-mx-record-list is **JSON List** of *dns-mx-record attributes*

dns-mx-record-list : [

{ *dns-mx-record attributes* },

{ *dns-mx-record attributes* },

...

]

dns-mx-record attributes

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

operational data

	Counter	Size	Description
	last-server	string	last-server

2.40.40 gslb zone dns-ns-record

Specify DNS NS Record

dns-ns-record Specification

Type	*Collection*
Object Key(s)	*ns-name*
Collection Name	*dns-ns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-ns-record
Element Name	dns-ns-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}
Element Attributes	dns-ns-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/oper
Schema	`dns-ns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record

dns-ns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record

dns-ns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-ns-record

dns-ns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-ns-record

dns-ns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

dns-ns-record-list

dns-ns-record-list is **JSON List** of *dns-ns-record attributes*

dns-ns-record-list : [

{ *dns-ns-record attributes* },

{ *dns-ns-record attributes* },

...

]

dns-ns-record attributes

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

operational data

	Counter	Size	Description
	last-server	string	last-server

2.40.41 gslb zone service

Service information for the GSLB zone

service Specification

Type	*Collection*
Object Key(s)	*service-port, service-name*
Collection Name	*service-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service
Element Name	service
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}
Element Attributes	service_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/oper
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service

service attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service

service attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service

service-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service

service-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

...

]

service attributes

action

Description 'drop': Drop query; 'forward': Forward packet; 'ignore': Send empty response; 'reject': Send refuse response;

Type: string

Supported Values: drop, forward, ignore, reject

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record

Description: dns-a-record is a **JSON Block**. Please see below for *dns-a-record*

Type: Object

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record*

dns-cname-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}*

dns-mx-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}*

dns-naptr-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}*

dns-ns-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}*

dns-ptr-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}*

dns-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}*

dns-srv-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}*

dns-txt-record-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}*

forward-type

Description 'both': Forward both query and response; 'query': Forward query; 'response': Forward response;

Type: string

Supported Values: both, query, response

geo-location-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}*

health-check-gateway

Description 'enable': Enable Gateway Status Check; 'disable': Disable Gateway Status Check;

Type: string

Supported Values: enable, disable

Default: enable

health-check-port

Type: List

policy

Description Specify policy for this service (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-a-record

Specification	
Type	*object*

dns-a-record-ipv4-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}*

dns-a-record-ipv6-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}*

dns-a-record-srv-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}*

dns-a-record_dns-a-record-ipv6-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-a-record_dns-a-record-ipv4-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-a-record_dns-a-record-srv-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

health-check-port

Specification	
Type	*list*
Block object keys	

health-check-port

Description Check Related Port Status (Port Number)

Type: number

Range: 0-65534

dns-txt-record-list

Specification	
Type	*list*
Block object keys	

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

txt-data

Description Specify TXT Data

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-txt-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-mx-record-list

Specification	
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-mx-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-record-list

Specification	
Type	*list*
Block object keys	

data

Description Specify DNS Data

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

type

Description Specify DNS Type

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ns-record-list

Specification	
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ns-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Number of DNS queries received for the service; 'sent-response': Number of DNS replies sent to clients for the service; 'proxy-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service; 'cache-mode-response': Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache; 'server-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D; 'sticky-mode-response': Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if; 'backup-mode-response': help Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response

dns-srv-record-list

Specification	
Type	*list*
Block object keys	

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 10

Type: number

Range: 0-65535

Default: 10

dns-srv-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-ptr-record-list

Specification	
Type	*list*
Block object keys	

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ptr-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-cname-record-list

Specification	
Type	*list*
Block object keys	

admin-preference

Description Specify Administrative Preference, default is 100

Type: number

Range: 0-255

Default: 100

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 1

Type: number

Range: 1-100

Default: 1

dns-cname-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cname-hits': Number of times the CNAME has been used;

Type: string

Supported Values: all, cname-hits

geo-location-list

Specification	
Type	*list*
Block object keys	

action

Description Action for this geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: action and policy are mutually exclusive

action-type

Description 'allow': Allow query from this geo-location; 'drop': Drop query from this geo-location; 'forward': Forward packet for this geo-location; 'ignore': Send empty response to this geo-location; 'reject': Send refuse response to this geo-location;

Type: string

Supported Values: allow, drop, forward, ignore, reject

alias

Type: List

forward-type

Description 'both': Forward both query and response; 'query': Forward query from this geo-location; 'response': Forward response to this geo-location;

Type: string

Supported Values: both, query, response

geo-name

Description Specify the geo-location

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Policy for this geo-location (Specify the policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: policy and action are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list_alias

Specification	
Type	*list*
Block object keys	

alias

Description Send CNAME response for this geo-location (Specify a CNAME record)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

dns-naptr-record-list

Specification	
Type	*list*
Block object keys	

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

order

Description Specify Order

Type: number

Range: 0-65535

preference

Description Specify Preference

Type: number

Range: 0-65535

regexp

Description Return the regular expression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-naptr-record-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'naptr-hits': Number of times the NAPTR has been used;

Type: string

Supported Values: all, naptr-hits

stats data

	Counter	Size	Description
	received-query	8	Number of DNS queries received for the service
	sent-response	8	Number of DNS replies sent to clients for the service
	sticky-mode-response	8	Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if
	server-mode-response	8	Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D
	cache-mode-response	8	Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache
	backup-mode-response	8	help Number of DNS replies sent to clients by the ACOS device in backup mode
	proxy-mode-response	8	Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service

operational data

	Counter	Size	Description
	total-sessions	number	total-sessions
	cache-list		cache-list
	state	string	state
	session-list		session-list
	matched	number	matched

2.40.42 gslb zone service dns-a-record

Specify DNS Address Record

dns-a-record Specification

Type	*Intermediate Resource*
Element Name	dns-a-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record
Element Attributes	dns-a-record_attributes
Schema	`dns-a-record schema`

Operations Allowed:

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record

dns-a-record_attributes

dns-a-record attributes

dns-a-record-ipv4-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}*

dns-a-record-ipv6-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}*

dns-a-record-srv-list

Type: List

Refernce Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}*

dns-a-record-ipv6-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-a-record-ipv4-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-a-record-srv-list

Specification	
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

2.40.43 gslb zone service dns-a-record dns-a-record-ipv4

Specify DNS Address Record

dns-a-record-ipv4 Specification

Type	*Collection*
Object Key(s)	*dns-a-record-ip*
Collection Name	*dns-a-record-ipv4-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4
Element Name	dns-a-record-ipv4
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}
Element Attributes	dns-a-record-ipv4_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}/stats
Schema	`dns-a-record-ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4

dns-a-record-ipv4 attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4

dns-a-record-ipv4 attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4

dns-a-record-ipv4-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4

dns-a-record-ipv4-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

dns-a-record-ipv4-list

dns-a-record-ipv4-list is **JSON List** of *dns-a-record-ipv4 attributes*

dns-a-record-ipv4-list : [

{ *dns-a-record-ipv4 attributes* },

{ *dns-a-record-ipv4 attributes* },

...

]

dns-a-record-ipv4 attributes

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

2.40.44 gslb zone service dns-a-record dns-a-record-ipv6

Specify DNS Address Record

dns-a-record-ipv6 Specification

Type	*Collection*
Object Key(s)	*dns-a-record-ipv6*
Collection Name	*dns-a-record-ipv6-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6
Element Name	dns-a-record-ipv6
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}
Element Attributes	dns-a-record-ipv6_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}/stats
Schema	`dns-a-record-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6

dns-a-record-ipv6 attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6

dns-a-record-ipv6 attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6

dns-a-record-ipv6-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6

dns-a-record-ipv6-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

dns-a-record-ipv6-list

dns-a-record-ipv6-list is **JSON List** of *dns-a-record-ipv6 attributes*

dns-a-record-ipv6-list : [

{ *dns-a-record-ipv6 attributes* },

{ *dns-a-record-ipv6 attributes* },

...

]

dns-a-record-ipv6 attributes

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

2.40.45 gslb zone service dns-a-record dns-a-record-srv

Specify DNS Address Record

dns-a-record-srv Specification

Type	*Collection*
Object Key(s)	*svrname*
Collection Name	*dns-a-record-srv-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv
Element Name	dns-a-record-srv
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}
Element Attributes	dns-a-record-srv_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}/stats
Schema	`dns-a-record-srv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv

dns-a-record-srv attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv

dns-a-record-srv attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv

dns-a-record-srv-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv

dns-a-record-srv-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

dns-a-record-srv-list

dns-a-record-srv-list is **JSON List** of *dns-a-record-srv attributes*

dns-a-record-srv-list : [

{ *dns-a-record-srv attributes* },

{ *dns-a-record-srv attributes* },

...

]

dns-a-record-srv attributes

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/gslb/service-ip*

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

2.40.46 gslb zone service dns-cname-record

Specify DNS CNAME Record

dns-cname-record Specification

Type	*Collection*
Object Key(s)	*alias-name*
Collection Name	*dns-cname-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record
Element Name	dns-cname-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}
Element Attributes	dns-cname-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/stats
Schema	`dns-cname-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record

dns-cname-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record

dns-cname-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record

dns-cname-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record

dns-cname-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

dns-cname-record-list

dns-cname-record-list is **JSON List** of *dns-cname-record attributes*

dns-cname-record-list : [

{ *dns-cname-record attributes* },

{ *dns-cname-record attributes* },

...

]

dns-cname-record attributes

admin-preference

Description Specify Administrative Preference, default is 100

Type: number

Range: 0-255

Default: 100

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 1

Type: number

Range: 1-100

Default: 1

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cname-hits': Number of times the CNAME has been used;

Type: string

Supported Values: all, cname-hits

stats data

	Counter	Size	Description
	cname-hits	8	Number of times the CNAME has been used

2.40.47 gslb zone service dns-mx-record

Specify DNS MX Record

dns-mx-record Specification

Type	*Collection*
Object Key(s)	*mx-name*
Collection Name	*dns-mx-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record
Element Name	dns-mx-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}
Element Attributes	dns-mx-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/oper
Schema	`dns-mx-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record

dns-mx-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record

dns-mx-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record

dns-mx-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record

dns-mx-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

dns-mx-record-list

dns-mx-record-list is **JSON List** of *dns-mx-record attributes*

```
dns-mx-record-list : [
        { dns-mx-record attributes },
        { dns-mx-record attributes },
        ...
    ]
```

dns-mx-record attributes

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

operational data

	Counter	Size	Description
	last-server	string	last-server

2.40.48 gslb zone service dns-naptr-record

Specify DNS NAPTR Record

dns-naptr-record Specification

Type	*Collection*
Object Key(s)	*naptr-target, service-proto, flag*
Collection Name	*dns-naptr-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record
Element Name	dns-naptr-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}
Element Attributes	dns-naptr-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/stats
Schema	`dns-naptr-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record

dns-naptr-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record

dns-naptr-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record

dns-naptr-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record

dns-naptr-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

dns-naptr-record-list

dns-naptr-record-list is **JSON List** of *dns-naptr-record attributes*

dns-naptr-record-list : [

{ *dns-naptr-record attributes* },

{ *dns-naptr-record attributes* },

...

]

dns-naptr-record attributes

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

order

Description Specify Order

Type: number

Range: 0-65535

preference

Description Specify Preference

Type: number

Range: 0-65535

regexp

Description Return the regular expression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'naptr-hits': Number of times the NAPTR has been used;

Type: string

Supported Values: all, naptr-hits

stats data

	Counter	Size	Description
	naptr-hits	8	Number of times the NAPTR has been used

2.40.49 gslb zone service dns-ns-record

Specify DNS NS Record

dns-ns-record Specification

Type	*Collection*
Object Key(s)	*ns-name*
Collection Name	*dns-ns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record
Element Name	dns-ns-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}
Element Attributes	dns-ns-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/oper
Schema	`dns-ns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record

dns-ns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record

dns-ns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record

dns-ns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record

dns-ns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

dns-ns-record-list

dns-ns-record-list is **JSON List** of *dns-ns-record attributes*

dns-ns-record-list : [

{ *dns-ns-record attributes* },

{ *dns-ns-record attributes* },

...

]

dns-ns-record attributes

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

operational data

	Counter	Size	Description
	last-server	string	last-server

2.40.50 gslb zone service dns-ptr-record

Specify DNS PTR Record

dns-ptr-record Specification

Type	*Collection*
Object Key(s)	*ptr-name*
Collection Name	*dns-ptr-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record
Element Name	dns-ptr-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}
Element Attributes	dns-ptr-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}/stats
Schema	`dns-ptr-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record

dns-ptr-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record

dns-ptr-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record

dns-ptr-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record

dns-ptr-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

dns-ptr-record-list

dns-ptr-record-list is **JSON List** of *dns-ptr-record attributes*

dns-ptr-record-list : [

{ *dns-ptr-record attributes* },

{ *dns-ptr-record attributes* },

...

]

dns-ptr-record attributes

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

2.40.51 gslb zone service dns-record

Specify DNS Record

dns-record Specification

Type	*Collection*
Object Key(s)	*type*
Collection Name	*dns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record
Element Name	dns-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}
Element Attributes	dns-record_attributes
Schema	`dns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record

dns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record

dns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}

dns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record

dns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}

dns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}

dns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record

dns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}

dns-record attributes

dns-record-list

dns-record-list is **JSON List** of *dns-record attributes*

```
dns-record-list : [
        { dns-record attributes },
        { dns-record attributes },
        ...
    ]
```

dns-record attributes

data

Description Specify DNS Data

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

type

Description Specify DNS Type

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.40.52 gslb zone service dns-srv-record

Specify DNS SRV Record

dns-srv-record Specification

Type	*Collection*
Object Key(s)	*srv-name, port*
Collection Name	*dns-srv-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record
Element Name	dns-srv-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}
Element Attributes	dns-srv-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}/stats
Schema	`dns-srv-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record

dns-srv-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record

dns-srv-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record

dns-srv-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record

dns-srv-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

dns-srv-record-list

dns-srv-record-list is **JSON List** of *dns-srv-record attributes*

dns-srv-record-list : [

{ *dns-srv-record attributes* },

{ *dns-srv-record attributes* },

...

]

dns-srv-record attributes

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 10

Type: number

Range: 0-65535

Default: 10

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

2.40.53 gslb zone service dns-txt-record

Specify DNS TXT Record

dns-txt-record Specification

Type	*Collection*
Object Key(s)	*record-name*
Collection Name	*dns-txt-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record
Element Name	dns-txt-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}
Element Attributes	dns-txt-record_attributes
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}/stats
Schema	`dns-txt-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record

dns-txt-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record

dns-txt-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record

dns-txt-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record

dns-txt-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

dns-txt-record-list

dns-txt-record-list is **JSON List** of *dns-txt-record attributes*

dns-txt-record-list : [

{ *dns-txt-record attributes* },

{ *dns-txt-record attributes* },

...

]

dns-txt-record attributes

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

txt-data

Description Specify TXT Data

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of times the record has been used

2.40.54 gslb zone service geo-location

Geo location settings

geo-location Specification

Type	*Collection*
Object Key(s)	*geo-name*
Collection Name	*geo-location-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location
Element Name	geo-location
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}
Element Attributes	geo-location_attributes
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location

geo-location attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}

geo-location attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location

geo-location-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}

geo-location attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}

geo-location attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location

geo-location-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}

geo-location attributes

geo-location-list

geo-location-list is **JSON List** of *geo-location attributes*

```
geo-location-list : [
        { geo-location attributes },
        { geo-location attributes },
        ...
    ]
```

geo-location attributes

action

Description Action for this geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: action and policy are mutually exclusive

action-type

Description 'allow': Allow query from this geo-location; 'drop': Drop query from this geo-location; 'forward': Forward packet for this geo-location; 'ignore': Send empty response to this geo-location; 'reject': Send refuse response to this geo-location;

Type: string

Supported Values: allow, drop, forward, ignore, reject

alias

Type: List

forward-type

Description 'both': Forward both query and response; 'query': Forward query from this geo-location; 'response': Forward response to this geo-location;

Type: string

Supported Values: both, query, response

geo-name

Description Specify the geo-location

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Policy for this geo-location (Specify the policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: policy and action are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alias

Specification	
Type	*list*
Block object keys	

alias

Description Send CNAME response for this geo-location (Specify a CNAME record)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

2.41 harmony-controller

Objects:

2.41.1 harmony-controller

Harmony controller information

harmony-controller Specification

Type	*Intermediate Resource*
Element Name	harmony-controller
Element URI	/axapi/v3/harmony-controller
Element Attributes	harmony-controller_attributes
Schema	`harmony-controller schema`

Operations Allowed:

Get Object

GET

/axapi/v3/harmony-controller

harmony-controller_attributes

harmony-controller attributes

config-replace

Description: config-replace is a **JSON Block**. Please see below for *config-replace*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/config-replace*

partition-tenant-info

Description: partition-tenant-info is a **JSON Block**. Please see below for *partition-tenant-info*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/partition-tenant-info*

profile

Description: profile is a **JSON Block**. Please see below for *profile*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/profile*

telemetry

Description: telemetry is a **JSON Block**. Please see below for *telemetry*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/telemetry*

tunnel-stats

Description: tunnel-stats is a **JSON Block**. Please see below for *tunnel-stats*

Type: Object

Refernce Object: /axapi/v3/harmony-controller/tunnel-stats

profile

Specification	
Type	*object*

action

Description 'enable': Register the device to the controller; 'disable': Deregister the device from controller;

Type: string

Supported Values: register, deregister

auto-restart-action

Description 'enable': enable auto analytics bus restart, default behavior is enable; 'disable': disable auto analytics bus restart;

Type: string

Supported Values: enable, disable

Default: enable

availability-zone

Description availablity zone of the thunder-device

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

cluster-id

Description cluster-id for the controller

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

cluster-name

Description name of cluster in harmony controller that this device is a member of

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

host

Description Set harmony controller host adddress

Type: string

Format: host

Mutual Exclusion: host and host-ipv6 are mutually exclusive

host-ipv6

Description IPV6 address or FQDN for the host

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: host-ipv6 and host are mutually exclusive

interval

Description auto analytics bus restart time interval in mins, default is 3 mins

Type: number

Range: 1-15

Default: 3

password-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port

Description Set port for remote Harmony Controller

Type: number

Range: 1-32767

provider

Description provider for the harmony-controller

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

re-sync

Description: re-sync is a **JSON Block**. Please see below for *profile_re-sync*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/profile/re-sync*

region

Description region of the thunder-device

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

secret-value

Description The controller tenant password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

thunder-mgmt-ip

Description: thunder-mgmt-ip is a **JSON Block**. Please see below for *profile_thunder-mgmt-ip*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/profile/thunder-mgmt-ip*

tunnel

Description: tunnel is a **JSON Block**. Please see below for *profile_tunnel*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/profile/tunnel*

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-name

Description user-name for the tenant

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

profile_re-sync

Specification	
Type	*object*

analytics-bus

Description re-sync analtyics bus connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schema-registry

Description re-sync the schema registry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

profile_tunnel

Specification	
Type	*object*

action

Description 'enable': Tunnel Enable; 'disable': Tunnel Disable;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

profile_thunder-mgmt-ip

Specification	
Type	*object*

ip-address

Description IP address (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-addr are mutually exclusive

ipv6-addr

Description IPV6 address for the host

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr and ip-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-stats

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

config-replace

Specification	
Type	*object*

status

Description 'enable': enable config replace mode; 'disable': disable config replace mode;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry

Specification	
Type	*object*

log-rate

Description Max number of session logs sent by the partition per second

Type: number

Range: 0-10000

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-tenant-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.41.2 harmony-controller config-replace

Enable config-replace-mode

config-replace Specification

Type	*Configuration Resource*
Element Name	config-replace
Element URI	/axapi/v3/harmony-controller/config-replace
Element Attributes	config-replace_attributes
Schema	`config-replace schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/config-replace

config-replace attributes

Get Object

GET

/axapi/v3/harmony-controller/config-replace

config-replace attributes

Modify Object

POST

/axapi/v3/harmony-controller/config-replace

config-replace attributes

Replace Object

PUT

/axapi/v3/harmony-controller/config-replace

config-replace attributes

config-replace attributes

status

Description 'enable': enable config replace mode; 'disable': disable config replace mode;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.41.3 harmony-controller partition-tenant-info

Harmony controller profile

partition-tenant-info Specification

Type	*Configuration Resource*
Element Name	partition-tenant-info
Element URI	/axapi/v3/harmony-controller/partition-tenant-info
Element Attributes	partition-tenant-info_attributes
Operational Data URI	/axapi/v3/harmony-controller/partition-tenant-info/oper
Schema	`partition-tenant-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

Get Object

GET

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

Modify Object

POST

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

Replace Object

PUT

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

partition-tenant-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	cluster-id	string	cluster-id
	tenant-name	string	tenant-name
	partition-name	string	partition-name
	cluster-name	string	cluster-name
	tenant-id	string	tenant-id
	log-rate-per-sec	number	log-rate-per-sec

2.41.4 harmony-controller profile

Harmony controller profile

profile Specification

Type	*Configuration Resource*
Element Name	profile
Element URI	/axapi/v3/harmony-controller/profile
Element Attributes	profile_attributes
Operational Data URI	/axapi/v3/harmony-controller/profile/oper
Schema	`profile schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/profile

profile attributes

Get Object

GET

/axapi/v3/harmony-controller/profile

profile attributes

Modify Object

POST

/axapi/v3/harmony-controller/profile

profile attributes

Replace Object

PUT

/axapi/v3/harmony-controller/profile

profile attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/profile

profile attributes

profile attributes

action

Description 'enable': Register the device to the controller; 'disable': Deregister the device from controller;

Type: string

Supported Values: register, deregister

auto-restart-action

Description 'enable': enable auto analytics bus restart, default behavior is enable; 'disable': disable auto analytics bus restart;

Type: string

Supported Values: enable, disable

Default: enable

availability-zone

Description availablity zone of the thunder-device

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

cluster-id

Description cluster-id for the controller

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

cluster-name

Description name of cluster in harmony controller that this device is a member of

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

host

Description Set harmony controller host adddress

Type: string

Format: host

Mutual Exclusion: host and host-ipv6 are mutually exclusive

host-ipv6

Description IPV6 address or FQDN for the host

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: host-ipv6 and host are mutually exclusive

interval

Description auto analytics bus restart time interval in mins, default is 3 mins

Type: number

Range: 1-15

Default: 3

password-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port

Description Set port for remote Harmony Controller

Type: number

Range: 1-32767

provider

Description provider for the harmony-controller

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

re-sync

Description: re-sync is a **JSON Block**. Please see below for *re-sync*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/profile/re-sync*

region

Description region of the thunder-device

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

secret-value

Description The controller tenant password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

thunder-mgmt-ip

Description: thunder-mgmt-ip is a **JSON Block**. Please see below for *thunder-mgmt-ip*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/profile/thunder-mgmt-ip*

tunnel

Description: tunnel is a **JSON Block**. Please see below for *tunnel*

Type: Object

Refernce Object: */axapi/v3/harmony-controller/profile/tunnel*

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-name

Description user-name for the tenant

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

re-sync

Specification	
Type	*object*

analytics-bus

Description re-sync analtyics bus connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schema-registry

Description re-sync the schema registry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel

Specification	
Type	*object*

action

Description 'enable': Tunnel Enable; 'disable': Tunnel Disable;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

thunder-mgmt-ip

Specification	
Type	*object*

ip-address

Description IP address (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-addr are mutually exclusive

ipv6-addr

Description IPV6 address for the host

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr and ip-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	deregistration-error-message	string	deregistration-error-message
	service-registry	string	service-registry
	overall-status	string	overall-status
	Number-of-tenant-unmapped-partitions	number	Number-of-tenant-unmapped-partitions
	heartbeat-error-message	string	heartbeat-error-message
	registration-status	string	registration-status
	heartbeat-status	string	heartbeat-status
	broker_info	string	broker_info
	peer-device-info	string	peer-device-info
	tunnel-status	string	tunnel-status
	kafka-broker-state	enum	Output contains one of the following values: - Up, Down
	deregistration-status	string	deregistration-status
	tunnel-error-message	string	tunnel-error-message
	Number-of-tenant-mapped-partitions	number	Number-of-tenant-mapped-partitions
	deregistration-status-code	number	deregistration-status-code
	registration-status-code	number	registration-status-code
	schema-registry-status	string	schema-registry-status
	service-registry-error-message	string	service-registry-error-message
	registration-error-message	string	registration-error-message

2.41.5 harmony-controller profile thunder-mgmt-ip

thunder management ip address

thunder-mgmt-ip Specification

Type	*Configuration Resource*
Element Name	thunder-mgmt-ip
Element URI	/axapi/v3/harmony-controller/profile/thunder-mgmt-ip
Element Attributes	thunder-mgmt-ip_attributes
Schema	`thunder-mgmt-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

Get Object

GET

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

Modify Object

POST

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

Replace Object

PUT

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

thunder-mgmt-ip attributes

ip-address

Description IP address (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-addr are mutually exclusive

ipv6-addr

Description IPV6 address for the host

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr and ip-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.41.6 harmony-controller profile tunnel

tunnel status

tunnel Specification

Type	*Configuration Resource*
Element Name	tunnel
Element URI	/axapi/v3/harmony-controller/profile/tunnel
Element Attributes	tunnel_attributes
Schema	`tunnel schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

Get Object

GET

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

Modify Object

POST

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

Replace Object

PUT

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

tunnel attributes

action

Description 'enable': Tunnel Enable; 'disable': Tunnel Disable;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.41.7 harmony-controller telemetry

Harmony controller telemetry config

telemetry Specification

Type	*Configuration Resource*
Element Name	telemetry
Element URI	/axapi/v3/harmony-controller/telemetry
Element Attributes	telemetry_attributes
Schema	`telemetry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/telemetry

telemetry attributes

Get Object

GET

/axapi/v3/harmony-controller/telemetry

telemetry attributes

Modify Object

POST

/axapi/v3/harmony-controller/telemetry

telemetry attributes

Replace Object

PUT

/axapi/v3/harmony-controller/telemetry

telemetry attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/telemetry

telemetry attributes

telemetry attributes

log-rate

Description Max number of session logs sent by the partition per second

Type: number

Range: 0-10000

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.42 hd-monitor

Objects:

2.42.1 hd-monitor

Enable HD monitoring

hd-monitor Specification

Type	*Configuration Resource*
Element Name	hd-monitor
Element URI	/axapi/v3/hd-monitor
Element Attributes	hd-monitor_attributes
Schema	`hd-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/hd-monitor

hd-monitor attributes

```
POST /axapi/v3/hd-monitor
Payload:
{
    "hd-monitor": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/hd-monitor

hd-monitor attributes

```
GET /axapi/v3/hd-monitor
Reponse:
{
    "hd-monitor": {
        "enable": 1,
        "uuid": "d8e3537e-5bef-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/hd-monitor"
    }
}
```

Modify Object

POST

/axapi/v3/hd-monitor

hd-monitor attributes

Replace Object

PUT

/axapi/v3/hd-monitor

hd-monitor attributes

```
PUT /axapi/v3/hd-monitor
Payload:
{
    "hd-monitor": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/hd-monitor

hd-monitor attributes

```
DELETE /axapi/v3/hd-monitor
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Harddisk monitoring turned off.\n"
    }
}
```

hd-monitor attributes

enable

Description Enable Hard disk monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43 health

Objects:

2.43.1 health

Configure health monitoring

health Specification

Type	*Intermediate Resource*
Element Name	health
Element URI	/axapi/v3/health
Element Attributes	health_attributes
Schema	`health schema`

Operations Allowed:

Get Object

GET

/axapi/v3/health

health_attributes

health attributes

external

Description: external is a **JSON Block**. Please see below for *external*

Type: Object

Refernce Object: */axapi/v3/health/external*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/health/global*

monitor-list

Type: List

Refernce Object: */axapi/v3/health/monitor/{name}*

global

Specification	
Type	*object*

check-rate

Description Health Check Rate per 500ms (default 1000)

Type: number

Range: 1-50000

Default: 1000

disable-auto-adjust

Description Disable the Health Check Rate Auto Adjustment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-rate

Description Define the External Health Check Rate (Number of External Script Programs (default 2))

Type: number

Range: 1-999

Default: 2

interval

Description Specify the Healthcheck Interval (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

Default: 5

multi-process

Description Start Health Monitoring in Multi-Process Mode (Specify the number of multiple processes (default 1))

Type: number

Range: 1-20

Default: 1

per

Description Specify the Unit Time for the rate (Specify the Unit Time, multiple of 100ms)

Type: number

Range: 1-20

Default: 2

retry

Description Specify the Healthcheck Retries (Retry Count (default 3))

Type: number

Range: 1-10

Default: 3

timeout

Description Specify the Healthcheck Timeout (Timeout Value, in seconds (default 5), Timeout should be less than or equal to interval)

Type: number

Range: 1-180

Default: 5

up-retry

Description Specify the Healthcheck Retries before declaring target up (Up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

external

Specification	
Type	*object*

copy

Description: copy is a **JSON Block**. Please see below for *external_copy*

Type: Object

Refernce Object: */axapi/v3/health/external/copy*

create

Description: create is a **JSON Block**. Please see below for *external_create*

Type: Object

Refernce Object: */axapi/v3/health/external/create*

delete

Description: delete is a **JSON Block**. Please see below for *external_delete*

Type: Object

Refernce Object: */axapi/v3/health/external/delete*

edit

Description: edit is a **JSON Block**. Please see below for *external_edit*

Type: Object

Refernce Object: */axapi/v3/health/external/edit*

rename

Description: rename is a **JSON Block**. Please see below for *external_rename*

Type: Object

Refernce Object: */axapi/v3/health/external/rename*

external_edit

Specification	
Type	*object*

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external_rename

Specification	
Type	*object*

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external_create

Specification	
Type	*object*

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external_copy

Specification	
Type	*object*

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external_delete

Specification	
Type	*object*

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

monitor-list

Specification	
Type	*list*
Block object keys	

disable-after-down

Description Disable the target if health check failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dsr-l2-strict

Description Enable strict L2dsr health-check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Specify the Healthcheck Interval (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

method

Description: method is a **JSON Block**. Please see below for *monitor-list_method*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method*

name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: ping

override-ipv4

Description Override implicitly inherited IPv4 address from target

Type: string

Format: ipv4-address

override-ipv6

Description Override implicitly inherited IPv6 address from target

Type: string

Format: ipv6-address

override-port

Description Override implicitly inherited port from target (Port number (1-65534))

Type: number

Range: 1-65534

passive

Description Specify passive mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passive-interval

Description Interval to do manual health checking while in passive mode (Specify value in seconds (Default is 10 s))

Type: number

Range: 1-180

Default: 10

retry

Description Specify the Healthcheck Retries (Retry Count (default 3))

Type: number

Range: 1-10

sample-threshold

Description Number of samples in one epoch above which passive HC is enabled. If below or equal to the threshold, passive HC is disabled (Specify number of samples in one second (Default is 50). If the number of samples is 0, no action is taken)

Type: number

Range: 1-10000

Default: 50

ssl-ciphers

Description Specify the SSL Cipher Suite in Health check

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: DEFAULT

ssl-dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 31-34

Default: 31

ssl-ticket

Description Enable SSL-Ticket Session Resumption

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-ticket-lifetime

Description SSL-Ticket lifetime (seconds)

Type: number

Range: 1-604800

ssl-version

Description TLS/SSL version (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 31-34

Default: 34

status-code

Description 'status-code-2xx': Enable passive mode with 2xx http status code; 'status-code-non-5xx': Enable passive mode with non-5xx http status code;

Type: string

Supported Values: status-code-2xx, status-code-non-5xx

strict-retry-on-server-err-resp

Description Require strictly retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description Threshold percentage above which passive mode is enabled (Specify percentage (Default is 75%))

Type: number

Range: 0-100

Default: 75

timeout

Description Specify the Healthcheck Timeout (Timeout Value, in seconds(default 5), Timeout should be less than or equal to interval)

Type: number

Range: 1-180

up-retry

Description Specify the Healthcheck Retries before declaring target up (Up-retry count (default 1))

Type: number

Range: 1-10

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method

Specification	
Type	*object*

compound

Description: compound is a **JSON Block**. Please see below for *monitor-list_method_compound*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/compound*

database

Description: database is a **JSON Block**. Please see below for *monitor-list_method_database*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/database*

dns

Description: dns is a **JSON Block**. Please see below for *monitor-list_method_dns*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/dns*

external

Description: external is a **JSON Block**. Please see below for *monitor-list_method_external*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/external*

ftp

Description: ftp is a **JSON Block**. Please see below for *monitor-list_method_ftp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ftp*

http

Description: http is a **JSON Block**. Please see below for *monitor-list_method_http*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/http*

https

Description: https is a **JSON Block**. Please see below for *monitor-list_method_https*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/https*

icmp

Description: icmp is a **JSON Block**. Please see below for *monitor-list_method_icmp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/icmp*

imap

Description: imap is a **JSON Block**. Please see below for *monitor-list_method_imap*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/imap*

kerberos-kdc

Description: kerberos-kdc is a **JSON Block**. Please see below for *monitor-list_method_kerberos-kdc*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/kerberos-kdc*

ldap

Description: ldap is a **JSON Block**. Please see below for *monitor-list_method_ldap*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ldap*

ntp

Description: ntp is a **JSON Block**. Please see below for *monitor-list_method_ntp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ntp*

pop3

Description: pop3 is a **JSON Block**. Please see below for *monitor-list_method_pop3*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/pop3*

radius

Description: radius is a **JSON Block**. Please see below for *monitor-list_method_radius*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/radius*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *monitor-list_method_rtsp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *monitor-list_method_sip*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/sip*

smtp

Description: smtp is a **JSON Block**. Please see below for *monitor-list_method_smtp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/smtp*

snmp

Description: snmp is a **JSON Block**. Please see below for *monitor-list_method_snmp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/snmp*

tacplus

Description: tacplus is a **JSON Block**. Please see below for *monitor-list_method_tacplus*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/tacplus*

tcp

Description: tcp is a **JSON Block**. Please see below for *monitor-list_method_tcp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *monitor-list_method_udp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/udp*

monitor-list_method_ftp

Specification	
Type	*object*

ftp

Description FTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ftp-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-password-string

Description Specify the user password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ftp-port

Description Specify FTP port (Specify port number, default is 21)

Type: number

Range: 1-65534

Default: 21

ftp-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_udp

Specification	
Type	*object*

force-up-with-single-healthcheck

Description Force Up with no response at the first time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description UDP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port

Description Specify UDP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_sip

Specification	
Type	*object*

expect-response-code

Description Specify accepted response codes (e.g. 200, 400-430, any) (Format is xxx,xxx-xxx,any (xxx between [100,899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

register

Description Send SIP REGISTER message, default is to send OPTION message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Description SIP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip-port

Description Specify the SIP port, default is 5060 (Port Number)

Type: number

Range: 1-65534

Default: 5060

sip-tcp

Description Use TCP for transmission, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_http

Specification	
Type	*object*

http

Description HTTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

http-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-kerberos-auth

Description Http Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Description: http-kerberos-kdc is a **JSON Block**. Please see below for *monitor-list_method_http_http-kerberos-kdc*

Type: Object

http-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-password-string

Description Specify password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

http-port

Description Specify HTTP Port (Specify port number (default 80))

Type: number

Range: 1-65534

Default: 80

http-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-response-code and http-text are mutually exclusive

http-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: http-text http-response-code and text-regex are mutually exclusive

http-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and http-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_http_http-kerberos-kdc

Specification	
Type	*object*

http-kerberos-hostip

Description Kdc's hostname or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-kerberos-hostip and http-kerberos-hostipv6 are mutually exclusive

http-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: http-kerberos-hostipv6 and http-kerberos-hostip are mutually exclusive

http-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

http-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

monitor-list_method_https

Specification	
Type	*object*

cert

Description Specify client certificate (Certificate name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cert-key-shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv2hello

Description Disable SSLv2Hello for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https

Description HTTPS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-kerberos-auth

Description Https Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-kerberos-kdc

Description: https-kerberos-kdc is a **JSON Block**. Please see below for *monitor-list_method_https_https-kerberos-kdc*

Type: Object

https-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

https-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

https-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-response-code and https-text are mutually exclusive

https-server-cert-name

Description Expect Server Cert commonName

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: https-text https-response-code and text-regex are mutually exclusive

https-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

key

Description Specify client private key (Key name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

key-pass-phrase

Description Client private key password phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-phrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sni

Description Server Name Indication for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and https-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-port

Description Specify HTTPS port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

monitor-list_method_https_https-kerberos-kdc

Specification	
Type	*object*

https-kerberos-hostip

Description Kdc's hostname or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-kerberos-hostip and https-kerberos-hostipv6 are mutually exclusive

https-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: https-kerberos-hostipv6 and https-kerberos-hostip are mutually exclusive

https-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

https-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

monitor-list_method_compound

Specification	
Type	*object*

compound

Description Compound type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpn-string

Description Enter Reverse Polish Notation, example: sub hm1 sub hm2 and

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_database

Specification	
Type	*object*

database

Description DATABASE type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-name

Description 'mssql': Specify MSSQL database; 'mysql': Specify MySQL database; 'oracle': Specify Oracle database; 'postgresql': Specify PostgreSQL database;

Type: string

Supported Values: mssql, mysql, oracle, postgresql

db-column

Description Specify the column number for receiving

Type: number

Range: 1-10

db-column-integer

Description Specify the column number for receiving

Type: number

Range: 1-10

db-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

db-name

Description Specify the database name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

db-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

db-password-str

Description Configure password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

db-receive

Description Specify the response string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: db-receive and db-receive-integer are mutually exclusive

db-receive-integer

Description Specify the response integer

Type: number

Range: 0-2147483647

Mutual Exclusion: db-receive-integer and db-receive are mutually exclusive

db-row

Description Specify the row number for receiving

Type: number

Range: 1-10

db-row-integer

Description Specify the row number for receiving

Type: number

Range: 1-10

db-send

Description Specify the SQL query

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

db-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_smtp

Specification	
Type	*object*

mail-from

Description Specify SMTP Sender

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rcpt-to

Description Specify SMTP Receiver

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

smtp

Description SMTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smtp-domain

Description Specify domain name of 'helo' command

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

smtp-port

Description Specify SMTP port, default is 25 (Port Number (default 25))

Type: number

Range: 1-65534

Default: 25

smtp-starttls

Description Check the STARTTLS support at helo response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_ntp

Specification	
Type	*object*

ntp

Description NTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntp-port

Description Specify the NTP port, default is 123 (Port Number (default 123))

Type: number

Range: 1-65534

Default: 123

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_rtsp

Specification	
Type	*object*

rtsp

Description RTSP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtsp-port

Description Specify RTSP port, default is 554 (Port Number (default 554))

Type: number

Range: 1-65534

Default: 554

rtspurl

Description Specify URL string (Specify the path on the server)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_snmp

Specification	
Type	*object*

community

Description Specify SNMP community, default is "public" (Community String)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: public

oid

Description: oid is a **JSON Block**. Please see below for *monitor-list_method_snmp_oid*

Type: Object

operation

Description: operation is a **JSON Block**. Please see below for *monitor-list_method_snmp_operation*

Type: Object

snmp

Description SNMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp-port

Description Specify SNMP port, default is 161 (Port Number)

Type: number

Range: 1-65534

Default: 161

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_snmp_oid

Specification	
Type	*object*

asn

Description Specify the format in ASN.1 style

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: asn and mib are mutually exclusive

mib

Description 'sysDescr': The MIB-2 OID of system description, 1.1.0; 'sysUpTime': The MIB-2 OID of system up time, 1.3.0; 'sysName': The MIB-2 OID of system nume, 1.5.0;

Type: string

Supported Values: sysDescr, sysUpTime, sysName

Mutual Exclusion: mib and asn are mutually exclusive

monitor-list_method_snmp_operation

Specification	
Type	*object*

oper-type

Description 'getnext': Get-Next-Request command; 'get': Get-Request command;

Type: string

Supported Values: getnext, get

monitor-list_method_tcp

Specification	
Type	*object*

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method-tcp

Description TCP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-halfopen

Description Set TCP SYN check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-halfopen and port-send are mutually exclusive

port-resp

Description: port-resp is a **JSON Block**. Please see below for *monitor-list_method_tcp_port-resp*

Type: Object

port-send

Description Send a string to server (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

Mutual Exclusion: port-send and port-halfopen are mutually exclusive

tcp-port

Description Specify TCP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_tcp_port-resp

Specification	
Type	*object*

port-contains

Description Mark server up if response string contains another string (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

monitor-list_method_pop3

Specification	
Type	*object*

pop3

Description POP3 type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

pop3-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-password-string

Description Specify the user password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

pop3-port

Description Specify the POP3 port, default is 110 (Port Number (default 110))

Type: number

Range: 1-65534

Default: 110

pop3-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_tacplus

Specification	
Type	*object*

secret-encrypted

Description

tacplus

Description TACACS+ type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

tacplus-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-port

Description Specify the TACACS+ port, default 49 (Port number (default 49))

Type: number

Range: 1-65534

Default: 49

tacplus-secret

Description Specify the shared secret of TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-secret-string

Description Shared Crypto Key

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-type

Description ‘inbound-ascii-login’: Specify Inbound ASCII Login type;

Type: string

Supported Values: inbound-ascii-login

Default: inbound-ascii-login

tacplus-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_radius

Specification	
Type	*object*

radius

Description RADIUS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-port

Description Specify the RADIUS port, default is 1812 (Port number (default 1812))

Type: number

Range: 1-65534

Default: 1812

radius-response-code

Description Specify response code range (e.g. 2,4-7) (Format is xx,xx-xx (xx between [1, 13]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret

Description Specify the shared secret of RADIUS server (Shared Crypto Key)

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

secret-encrypted

Description

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_external

Specification	
Type	*object*

ext-arguments

Description Specify external application's arguments (Application arguments)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ext-port

Description Specify the server port (Port Number)

Type: number

Range: 1-65534

ext-preference

Description Get server's perference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-program

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ext-program-shared

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external

Description EXTERNAL type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-program

Description external application from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_dns

Specification	
Type	*object*

dns

Description DNS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain

Description Specify fully qualified domain name of the host

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain and dns-ip-key are mutually exclusive

dns-domain-expect

Description: dns-domain-expect is a **JSON Block**. Please see below for *monitor-list_method_dns_dns-domain-expect*

Type: Object

dns-domain-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-domain-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-domain-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain-type

Description 'A': Used for storing Ipv4 address (default); 'CNAME': Canonical name for a DNS alias; 'SOA': Start of authority; 'PTR': Domain name pointer; 'MX': Mail exchanger; 'TXT': Text string; 'AAAA': Used for storing Ipv6 128-bits address;

Type: string

Supported Values: A, CNAME, SOA, PTR, MX, TXT, AAAA

Default: A

dns-ip-key

Description Reverse DNS lookup (Specify IPv4 or IPv6 address)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dns-ip-key and dns-domain are mutually exclusive

dns-ipv4-addr

Description Specify IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-ipv4-addr and dns-ipv6-addr are mutually exclusive

dns-ipv4-expect

Description: dns-ipv4-expect is a **JSON Block**. Please see below for *monitor-list_method_dns_dns-ipv4-expect*

Type: Object

dns-ipv4-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv4-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv4-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-ipv6-addr

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-ipv6-addr and dns-ipv4-addr are mutually exclusive

dns-ipv6-expect

Description: dns-ipv6-expect is a **JSON Block**. Please see below for *monitor-list_method_dns_dns-ipv6-expect*

Type: Object

dns-ipv6-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv6-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv6-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_dns_dns-domain-expect

Specification	
Type	*object*

dns-domain-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-fqdndns-domain-response, dns-domain-ipv4 and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv4

Description Specify expected resolved IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-domain-ipv4dns-domain-response, dns-domain-fqdn and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv6

Description Specify expected resolved IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-domain-ipv6dns-domain-response, dns-domain-fqdn and dns-domain-ipv4 are mutually exclusive

dns-domain-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-responsedns-domain-fqdn, dns-domain-ipv4 and dns-domain-ipv6 are mutually exclusive

monitor-list_method_dns_dns-ipv6-expect

Specification	
Type	*object*

dns-ipv6-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-fqdn and dns-ipv6-response are mutually exclusive

dns-ipv6-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-response and dns-ipv6-fqdn are mutually exclusive

monitor-list_method_dns_dns-ipv4-expect

Specification	
Type	*object*

dns-ipv4-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-fqdn and dns-ipv4-response are mutually exclusive

dns-ipv4-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-response and dns-ipv4-fqdn are mutually exclusive

monitor-list_method_ldap

Specification	
Type	*object*

AcceptNotFound

Description Mark server up on receiving a not-found response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

AcceptResRef

Description Mark server up on receiving a search result reference response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BaseDN

Description Specify LDAP DN distinguished name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap

Description LDAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-binddn

Description Specify the distinguished name for bindRequest (LDAP DN distinguished name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ldap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap-port

Description Specify the LDAP port (Speciry port number, default is 389, or 636 if LDAP over SSL)

Type: number

Range: 1-65534

Default: 389

ldap-query

Description LDAP query to be excuted

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ldap-run-search

Description Specify a query to be executed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-security

Description ‘overssl’: Set LDAP over SSL; ‘StartTLS’: LDAP switch to TLS;

Type: string

Supported Values: overssl, StartTLS

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_icmp

Specification	
Type	*object*

icmp

Description ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

ip

Description Specify IPv4 address of destination behind monitored node

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Specify IPv6 address of destination behind monitored node

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

transparent

Description Apply transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_kerberos-kdc

Specification	
Type	*object*

kerberos-cfg

Description: kerberos-cfg is a **JSON Block**. Please see below for *monitor-list_method_kerberos-kdc_kerberos-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_kerberos-kdc_kerberos-cfg

Specification	
Type	*object*

kadmin

Description Kerberos admin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kadmin kinit and kpasswd are mutually exclusive

kadmin-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kadmin-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kadmin-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kadmin-realm

Description Specify the realm

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-server

Description Specify the admin server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit

Description Kerberos KDC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kinit kadmin and kpasswd are mutually exclusive

kinit-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kinit-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kinit-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd

Description Kerberos change passwd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kpasswd kinit and kadmin are mutually exclusive

kpasswd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kpasswd-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kpasswd-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kpasswd-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd-server

Description Specify the Kerberos password server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-only

Description Specify the kerberos tcp only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-list_method_imap

Specification	
Type	*object*

imap

Description IMAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-cram-md5

Description Challenge-response authentication mechanism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

imap-login

Description Simple login

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

imap-plain

Description Plain text

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-port

Description Specify the IMAP port, default is 143 (Port Number (default 143))

Type: number

Range: 1-65534

Default: 143

imap-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

pwd-auth

Description Specify the Authentication method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.2 health external

Address the External Script Program

external Specification

Type	*Intermediate Resource*
Element Name	external
Element URI	/axapi/v3/health/external
Element Attributes	external_attributes
Schema	`external schema`

Operations Allowed:

Get Object

GET

/axapi/v3/health/external

external_attributes

external attributes

copy

Description: copy is a **JSON Block**. Please see below for *copy*

Type: Object

Refernce Object: */axapi/v3/health/external/copy*

create

Description: create is a **JSON Block**. Please see below for *create*

Type: Object

Refernce Object: */axapi/v3/health/external/create*

delete

Description: delete is a **JSON Block**. Please see below for *delete*

Type: Object

Refernce Object: */axapi/v3/health/external/delete*

edit

Description: edit is a **JSON Block**. Please see below for *edit*

Type: Object

Refernce Object: */axapi/v3/health/external/edit*

rename

Description: rename is a **JSON Block**. Please see below for *rename*

Type: Object

Refernce Object: */axapi/v3/health/external/rename*

edit

Specification	
Type	*object*

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

rename

Specification	
Type	*object*

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

create

Specification	
Type	*object*

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

copy

Specification	
Type	*object*

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

delete

Specification	
Type	*object*

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

2.43.3 health global

Define the Health Monitor global default

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/health/global
Element Attributes	global_attributes
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/global

global attributes

```
POST /axapi/v3/health/global
Payload:
{
    "global": {
        "multi-process": 1
    }
}
```

Get Object

GET

/axapi/v3/health/global

global attributes

```
GET /axapi/v3/health/global
Reponse:
{
    "global": {
        "multi-process": 1,
        "disable-auto-adjust": 0,
        "check-rate": 1000,
        "external-rate": 2,
        "per": 2,
        "retry": 3,
        "up-retry": 1,
        "interval": 5,
        "timeout": 5,
        "uuid": "8255f1e4-6052-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/global"
    }
}
```

Modify Object

POST

/axapi/v3/health/global

global attributes

Replace Object

PUT

/axapi/v3/health/global

global attributes

```
PUT /axapi/v3/health/global
Payload:
{
    "global": {
        "multi-process": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/global

global attributes

```
DELETE /axapi/v3/health/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

check-rate

Description Health Check Rate per 500ms (default 1000)

Type: number

Range: 1-50000

Default: 1000

disable-auto-adjust

Description Disable the Health Check Rate Auto Adjustment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-rate

Description Define the External Health Check Rate (Number of External Script Programs (default 2))

Type: number

Range: 1-999

Default: 2

interval

Description Specify the Healthcheck Interval (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

Default: 5

multi-process

Description Start Health Monitoring in Multi-Process Mode (Specify the number of multiple processes (default 1))

Type: number

Range: 1-20

Default: 1

per

Description Specify the Unit Time for the rate (Specify the Unit Time, multiple of 100ms)

Type: number

Range: 1-20

Default: 2

retry

Description Specify the Healthcheck Retries (Retry Count (default 3))

Type: number

Range: 1-10

Default: 3

timeout

Description Specify the Healthcheck Timeout (Timeout Value, in seconds (default 5), Timeout should be less than or equal to interval)

Type: number

Range: 1-180

Default: 5

up-retry

Description Specify the Healthcheck Retries before declaring target up (Up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.4 health monitor

Define the Health Monitor object

monitor Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/health/monitor
Element Name	monitor
Element URI	/axapi/v3/health/monitor/{name}
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor

monitor attributes

```
POST /axapi/v3/health/monitor/
Payload:
{
    "monitor": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/health/monitor

monitor attributes

Get Object

GET

/axapi/v3/health/monitor/{name}

monitor attributes

```
GET /axapi/v3/health/monitor/a
Reponse:
{
    "monitor": {
        "name": "a",
        "dsr-l2-strict": 0,
        "retry": 3,
        "up-retry": 1,
        "passive": 0,
        "strict-retry-on-server-err-resp": 0,
        "disable-after-down": 0,
        "interval": 5,
        "timeout": 5,
        "ssl-ciphers": "DEFAULT",
        "uuid": "a8b11bc0-6052-11d9-80d7-001fa00680a0",
        "user-tag": "a",
        "method": {
            "icmp": {
                "icmp": 1,
                "transparent": 0,
                "uuid": "a8b12c32-6052-11d9-80d7-001fa00680a0",
                "a10-url": "/axapi/v3/health/monitor/a/method/icmp"
            },
            "a10-url": "/axapi/v3/health/monitor/a/method"
        },
        "a10-url": "/axapi/v3/health/monitor/a"
    }
}
```

Get List

GET

/axapi/v3/health/monitor

monitor-list

Modify Object

POST

/axapi/v3/health/monitor/{name}

monitor attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}

monitor attributes

```
PUT /axapi/v3/health/monitor/a
Payload:
{
    "monitor": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/health/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/health/monitor/{name}

monitor attributes

```
DELETE /axapi/v3/health/monitor/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

disable-after-down

Description Disable the target if health check failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dsr-l2-strict

Description Enable strict L2dsr health-check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Specify the Healthcheck Interval (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

method

Description: method is a **JSON Block**. Please see below for *method*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method*

name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: ping

override-ipv4

Description Override implicitly inherited IPv4 address from target

Type: string

Format: ipv4-address

override-ipv6

Description Override implicitly inherited IPv6 address from target

Type: string

Format: ipv6-address

override-port

Description Override implicitly inherited port from target (Port number (1-65534))

Type: number

Range: 1-65534

passive

Description Specify passive mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passive-interval

Description Interval to do manual health checking while in passive mode (Specify value in seconds (Default is 10 s))

Type: number

Range: 1-180

Default: 10

retry

Description Specify the Healthcheck Retries (Retry Count (default 3))

Type: number

Range: 1-10

sample-threshold

Description Number of samples in one epoch above which passive HC is enabled. If below or equal to the threshold, passive HC is disabled (Specify number of samples in one second (Default is 50). If the number of samples is 0, no action is taken)

Type: number

Range: 1-10000

Default: 50

ssl-ciphers

Description Specify the SSL Cipher Suite in Health check

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: DEFAULT

ssl-dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 31-34

Default: 31

ssl-ticket

Description Enable SSL-Ticket Session Resumption

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-ticket-lifetime

Description SSL-Ticket lifetime (seconds)

Type: number

Range: 1-604800

ssl-version

Description TLS/SSL version (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 31-34

Default: 34

status-code

Description 'status-code-2xx': Enable passive mode with 2xx http status code; 'status-code-non-5xx': Enable passive mode with non-5xx http status code;

Type: string

Supported Values: status-code-2xx, status-code-non-5xx

strict-retry-on-server-err-resp

Description Require strictly retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description Threshold percentage above which passive mode is enabled (Specify percentage (Default is 75%))

Type: number

Range: 0-100

Default: 75

timeout

Description Specify the Healthcheck Timeout (Timeout Value, in seconds(default 5), Timeout should be less than or equal to interval)

Type: number

Range: 1-180

up-retry

Description Specify the Healthcheck Retries before declaring target up (Up-retry count (default 1))

Type: number

Range: 1-10

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method

Specification	
Type	*object*

compound

Description: compound is a **JSON Block**. Please see below for *method_compound*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/compound*

database

Description: database is a **JSON Block**. Please see below for *method_database*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/database*

dns

Description: dns is a **JSON Block**. Please see below for *method_dns*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/dns*

external

Description: external is a **JSON Block**. Please see below for *method_external*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/external*

ftp

Description: ftp is a **JSON Block**. Please see below for *method_ftp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ftp*

http

Description: http is a **JSON Block**. Please see below for *method_http*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/http*

https

Description: https is a **JSON Block**. Please see below for *method_https*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/https*

icmp

Description: icmp is a **JSON Block**. Please see below for *method_icmp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/icmp*

imap

Description: imap is a **JSON Block**. Please see below for *method_imap*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/imap*

kerberos-kdc

Description: kerberos-kdc is a **JSON Block**. Please see below for *method_kerberos-kdc*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/kerberos-kdc*

ldap

Description: ldap is a **JSON Block**. Please see below for *method_ldap*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ldap*

ntp

Description: ntp is a **JSON Block**. Please see below for *method_ntp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ntp*

pop3

Description: pop3 is a **JSON Block**. Please see below for *method_pop3*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/pop3*

radius

Description: radius is a **JSON Block**. Please see below for *method_radius*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/radius*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *method_rtsp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *method_sip*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/sip*

smtp

Description: smtp is a **JSON Block**. Please see below for *method_smtp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/smtp*

snmp

Description: snmp is a **JSON Block**. Please see below for *method_snmp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/snmp*

tacplus

Description: tacplus is a **JSON Block**. Please see below for *method_tacplus*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/tacplus*

tcp

Description: tcp is a **JSON Block**. Please see below for *method_tcp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *method_udp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/udp*

method_ftp

Specification	
Type	*object*

ftp

Description FTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ftp-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-password-string

Description Specify the user password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ftp-port

Description Specify FTP port (Specify port number, default is 21)

Type: number

Range: 1-65534

Default: 21

ftp-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_udp

Specification	
Type	*object*

force-up-with-single-healthcheck

Description Force Up with no response at the first time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description UDP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port

Description Specify UDP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_sip

Specification	
Type	*object*

expect-response-code

Description Specify accepted response codes (e.g. 200, 400-430, any) (Format is xxx,xxx-xxx,any (xxx between [100,899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

register

Description Send SIP REGISTER message, default is to send OPTION message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Description SIP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip-port

Description Specify the SIP port, default is 5060 (Port Number)

Type: number

Range: 1-65534

Default: 5060

sip-tcp

Description Use TCP for transmission, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_http

Specification	
Type	*object*

http

Description HTTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

http-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-kerberos-auth

Description Http Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Description: http-kerberos-kdc is a **JSON Block**. Please see below for *method_http_http-kerberos-kdc*

Type: Object

http-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-password-string

Description Specify password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

http-port

Description Specify HTTP Port (Specify port number (default 80))

Type: number

Range: 1-65534

Default: 80

http-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-response-code and http-text are mutually exclusive

http-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: http-text http-response-code and text-regex are mutually exclusive

http-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and http-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_http_http-kerberos-kdc

Specification	
Type	*object*

http-kerberos-hostip

Description Kdc's hostname or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-kerberos-hostip and http-kerberos-hostipv6 are mutually exclusive

http-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: http-kerberos-hostipv6 and http-kerberos-hostip are mutually exclusive

http-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

http-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

method_https

Specification	
Type	*object*

cert

Description Specify client certificate (Certificate name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cert-key-shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv2hello

Description Disable SSLv2Hello for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https

Description HTTPS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-kerberos-auth

Description Https Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-kerberos-kdc

Description: https-kerberos-kdc is a **JSON Block**. Please see below for *method_https_https-kerberos-kdc*

Type: Object

https-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

https-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

https-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-response-code and https-text are mutually exclusive

https-server-cert-name

Description Expect Server Cert commonName

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: https-text https-response-code and text-regex are mutually exclusive

https-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

key

Description Specify client private key (Key name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

key-pass-phrase

Description Client private key password phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-phrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sni

Description Server Name Indication for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and https-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-port

Description Specify HTTPS port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

method_https_https-kerberos-kdc

Specification	
Type	*object*

https-kerberos-hostip

Description Kdc's hostname or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-kerberos-hostip and https-kerberos-hostipv6 are mutually exclusive

https-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: https-kerberos-hostipv6 and https-kerberos-hostip are mutually exclusive

https-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

https-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

method_compound

Specification	
Type	*object*

compound

Description Compound type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpn-string

Description Enter Reverse Polish Notation, example: sub hm1 sub hm2 and

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_database

Specification	
Type	*object*

database

Description DATABASE type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-name

Description 'mssql': Specify MSSQL database; 'mysql': Specify MySQL database; 'oracle': Specify Oracle database; 'postgresql': Specify PostgreSQL database;

Type: string

Supported Values: mssql, mysql, oracle, postgresql

db-column

Description Specify the column number for receiving

Type: number

Range: 1-10

db-column-integer

Description Specify the column number for receiving

Type: number

Range: 1-10

db-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

db-name

Description Specify the database name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

db-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

db-password-str

Description Configure password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

db-receive

Description Specify the response string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: db-receive and db-receive-integer are mutually exclusive

db-receive-integer

Description Specify the response integer

Type: number

Range: 0-2147483647

Mutual Exclusion: db-receive-integer and db-receive are mutually exclusive

db-row

Description Specify the row number for receiving

Type: number

Range: 1-10

db-row-integer

Description Specify the row number for receiving

Type: number

Range: 1-10

db-send

Description Specify the SQL query

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

db-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_smtp

Specification	
Type	*object*

mail-from

Description Specify SMTP Sender

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rcpt-to

Description Specify SMTP Receiver

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

smtp

Description SMTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smtp-domain

Description Specify domain name of 'helo' command

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

smtp-port

Description Specify SMTP port, default is 25 (Port Number (default 25))

Type: number

Range: 1-65534

Default: 25

smtp-starttls

Description Check the STARTTLS support at helo response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_ntp

Specification	
Type	*object*

ntp

Description NTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntp-port

Description Specify the NTP port, default is 123 (Port Number (default 123))

Type: number

Range: 1-65534

Default: 123

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_rtsp

Specification	
Type	*object*

rtsp

Description RTSP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtsp-port

Description Specify RTSP port, default is 554 (Port Number (default 554))

Type: number

Range: 1-65534

Default: 554

rtspurl

Description Specify URL string (Specify the path on the server)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_snmp

Specification	
Type	*object*

community

Description Specify SNMP community, default is "public" (Community String)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: public

oid

Description: oid is a **JSON Block**. Please see below for *method_snmp_oid*

Type: Object

operation

Description: operation is a **JSON Block**. Please see below for *method_snmp_operation*

Type: Object

snmp

Description SNMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp-port

Description Specify SNMP port, default is 161 (Port Number)

Type: number

Range: 1-65534

Default: 161

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_snmp_oid

Specification	
Type	*object*

asn

Description Specify the format in ASN.1 style

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: asn and mib are mutually exclusive

mib

Description 'sysDescr': The MIB-2 OID of system description, 1.1.0; 'sysUpTime': The MIB-2 OID of system up time, 1.3.0; 'sysName': The MIB-2 OID of system nume, 1.5.0;

Type: string

Supported Values: sysDescr, sysUpTime, sysName

Mutual Exclusion: mib and asn are mutually exclusive

method_snmp_operation

Specification	
Type	*object*

oper-type

Description 'getnext': Get-Next-Request command; 'get': Get-Request command;

Type: string

Supported Values: getnext, get

method_tcp

Specification	
Type	*object*

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method-tcp

Description TCP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-halfopen

Description Set TCP SYN check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-halfopen and port-send are mutually exclusive

port-resp

Description: port-resp is a **JSON Block**. Please see below for *method_tcp_port-resp*

Type: Object

port-send

Description Send a string to server (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

Mutual Exclusion: port-send and port-halfopen are mutually exclusive

tcp-port

Description Specify TCP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_tcp_port-resp

Specification	
Type	*object*

port-contains

Description Mark server up if response string contains another string (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method_pop3

Specification	
Type	*object*

pop3

Description POP3 type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

pop3-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-password-string

Description Specify the user password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

pop3-port

Description Specify the POP3 port, default is 110 (Port Number (default 110))

Type: number

Range: 1-65534

Default: 110

pop3-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_tacplus

Specification	
Type	*object*

secret-encrypted

Description

tacplus

Description TACACS+ type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

tacplus-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-port

Description Specify the TACACS+ port, default 49 (Port number (default 49))

Type: number

Range: 1-65534

Default: 49

tacplus-secret

Description Specify the shared secret of TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-secret-string

Description Shared Crypto Key

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-type

Description ‘inbound-ascii-login’: Specify Inbound ASCII Login type;

Type: string

Supported Values: inbound-ascii-login

Default: inbound-ascii-login

tacplus-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_radius

Specification	
Type	*object*

radius

Description RADIUS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-port

Description Specify the RADIUS port, default is 1812 (Port number (default 1812))

Type: number

Range: 1-65534

Default: 1812

radius-response-code

Description Specify response code range (e.g. 2,4-7) (Format is xx,xx-xx (xx between [1, 13]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret

Description Specify the shared secret of RADIUS server (Shared Crypto Key)

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

secret-encrypted

Description

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_external

Specification	
Type	*object*

ext-arguments

Description Specify external application's arguments (Application arguments)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ext-port

Description Specify the server port (Port Number)

Type: number

Range: 1-65534

ext-preference

Description Get server's perference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-program

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ext-program-shared

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external

Description EXTERNAL type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-program

Description external application from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_dns

Specification	
Type	*object*

dns

Description DNS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain

Description Specify fully qualified domain name of the host

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain and dns-ip-key are mutually exclusive

dns-domain-expect

Description: dns-domain-expect is a **JSON Block**. Please see below for *method_dns_dns-domain-expect*

Type: Object

dns-domain-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-domain-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-domain-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain-type

Description 'A': Used for storing Ipv4 address (default); 'CNAME': Canonical name for a DNS alias; 'SOA': Start of authority; 'PTR': Domain name pointer; 'MX': Mail exchanger; 'TXT': Text string; 'AAAA': Used for storing Ipv6 128-bits address;

Type: string

Supported Values: A, CNAME, SOA, PTR, MX, TXT, AAAA

Default: A

dns-ip-key

Description Reverse DNS lookup (Specify IPv4 or IPv6 address)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dns-ip-key and dns-domain are mutually exclusive

dns-ipv4-addr

Description Specify IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-ipv4-addr and dns-ipv6-addr are mutually exclusive

dns-ipv4-expect

Description: dns-ipv4-expect is a **JSON Block**. Please see below for *method_dns_dns-ipv4-expect*

Type: Object

dns-ipv4-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv4-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv4-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-ipv6-addr

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-ipv6-addr and dns-ipv4-addr are mutually exclusive

dns-ipv6-expect

Description: dns-ipv6-expect is a **JSON Block**. Please see below for *method_dns_dns-ipv6-expect*

Type: Object

dns-ipv6-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv6-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv6-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_dns_dns-domain-expect

Specification	
Type	*object*

dns-domain-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-fqdndns-domain-response, dns-domain-ipv4 and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv4

Description Specify expected resolved IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-domain-ipv4dns-domain-response, dns-domain-fqdn and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv6

Description Specify expected resolved IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-domain-ipv6dns-domain-response, dns-domain-fqdn and dns-domain-ipv4 are mutually exclusive

dns-domain-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-responsedns-domain-fqdn, dns-domain-ipv4 and dns-domain-ipv6 are mutually exclusive

method_dns_dns-ipv6-expect

Specification	
Type	*object*

dns-ipv6-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-fqdn and dns-ipv6-response are mutually exclusive

dns-ipv6-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-response and dns-ipv6-fqdn are mutually exclusive

method_dns_dns-ipv4-expect

Specification	
Type	*object*

dns-ipv4-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-fqdn and dns-ipv4-response are mutually exclusive

dns-ipv4-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-response and dns-ipv4-fqdn are mutually exclusive

method_ldap

Specification	
Type	*object*

AcceptNotFound

Description Mark server up on receiving a not-found response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

AcceptResRef

Description Mark server up on receiving a search result reference response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BaseDN

Description Specify LDAP DN distinguished name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap

Description LDAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-binddn

Description Specify the distinguished name for bindRequest (LDAP DN distinguished name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ldap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap-port

Description Specify the LDAP port (Speciry port number, default is 389, or 636 if LDAP over SSL)

Type: number

Range: 1-65534

Default: 389

ldap-query

Description LDAP query to be excuted

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ldap-run-search

Description Specify a query to be executed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-security

Description 'overssl': Set LDAP over SSL; 'StartTLS': LDAP switch to TLS;

Type: string

Supported Values: overssl, StartTLS

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_icmp

Specification	
Type	*object*

icmp

Description ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

ip

Description Specify IPv4 address of destination behind monitored node

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Specify IPv6 address of destination behind monitored node

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

transparent

Description Apply transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_kerberos-kdc

Specification	
Type	*object*

kerberos-cfg

Description: kerberos-cfg is a **JSON Block**. Please see below for *method_kerberos-kdc_kerberos-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_kerberos-kdc_kerberos-cfg

Specification	
Type	*object*

kadmin

Description Kerberos admin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kadmin kinit and kpasswd are mutually exclusive

kadmin-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kadmin-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kadmin-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kadmin-realm

Description Specify the realm

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-server

Description Specify the admin server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit

Description Kerberos KDC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kinit kadmin and kpasswd are mutually exclusive

kinit-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kinit-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kinit-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd

Description Kerberos change passwd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kpasswd kinit and kadmin are mutually exclusive

kpasswd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kpasswd-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kpasswd-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kpasswd-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd-server

Description Specify the Kerberos password server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-only

Description Specify the kerberos tcp only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method_imap

Specification	
Type	*object*

imap

Description IMAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-cram-md5

Description Challenge-response authentication mechanism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

imap-login

Description Simple login

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

imap-plain

Description Plain text

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-port

Description Specify the IMAP port, default is 143 (Port Number (default 143))

Type: number

Range: 1-65534

Default: 143

imap-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

pwd-auth

Description Specify the Authentication method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.5 health monitor method

Define the health method object, default is ICMP

method Specification

Type	*Intermediate Resource*
Element Name	method
Element URI	/axapi/v3/health/monitor/{name}/method
Element Attributes	method_attributes
Schema	`method schema`

Operations Allowed:

Get Object

GET

/axapi/v3/health/monitor/{name}/method

method_attributes

method attributes

compound

Description: compound is a **JSON Block**. Please see below for *compound*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/compound*

database

Description: database is a **JSON Block**. Please see below for *database*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/database*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/dns*

external

Description: external is a **JSON Block**. Please see below for *external*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/external*

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ftp*

http

Description: http is a **JSON Block**. Please see below for *http*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/http*

https

Description: https is a **JSON Block**. Please see below for *https*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/https*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/icmp*

imap

Description: imap is a **JSON Block**. Please see below for *imap*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/imap*

kerberos-kdc

Description: kerberos-kdc is a **JSON Block**. Please see below for *kerberos-kdc*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/kerberos-kdc*

ldap

Description: ldap is a **JSON Block**. Please see below for *ldap*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ldap*

ntp

Description: ntp is a **JSON Block**. Please see below for *ntp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/ntp*

pop3

Description: pop3 is a **JSON Block**. Please see below for *pop3*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/pop3*

radius

Description: radius is a **JSON Block**. Please see below for *radius*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/radius*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *rtsp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/sip*

smtp

Description: smtp is a **JSON Block**. Please see below for *smtp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/smtp*

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/snmp*

tacplus

Description: tacplus is a **JSON Block**. Please see below for *tacplus*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/tacplus*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/health/monitor/{name}/method/udp*

ftp

Specification	
Type	*object*

ftp

Description FTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ftp-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-password-string

Description Specify the user password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ftp-port

Description Specify FTP port (Specify port number, default is 21)

Type: number

Range: 1-65534

Default: 21

ftp-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	
Type	*object*

force-up-with-single-healthcheck

Description Force Up with no response at the first time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description UDP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port

Description Specify UDP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip

Specification	
Type	*object*

expect-response-code

Description Specify accepted response codes (e.g. 200, 400-430, any) (Format is xxx,xxx-xxx,any (xxx between [100,899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

register

Description Send SIP REGISTER message, default is to send OPTION message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Description SIP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip-port

Description Specify the SIP port, default is 5060 (Port Number)

Type: number

Range: 1-65534

Default: 5060

sip-tcp

Description Use TCP for transmission, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http

Specification	
Type	*object*

http

Description HTTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

http-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-kerberos-auth

Description Http Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Description: http-kerberos-kdc is a **JSON Block**. Please see below for *http_http-kerberos-kdc*

Type: Object

http-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-password-string

Description Specify password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

http-port

Description Specify HTTP Port (Specify port number (default 80))

Type: number

Range: 1-65534

Default: 80

http-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-response-code and http-text are mutually exclusive

http-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: http-text http-response-code and text-regex are mutually exclusive

http-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and http-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http_http-kerberos-kdc

Specification	
Type	*object*

http-kerberos-hostip

Description Kdc's hostname or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-kerberos-hostip and http-kerberos-hostipv6 are mutually exclusive

http-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: http-kerberos-hostipv6 and http-kerberos-hostip are mutually exclusive

http-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

http-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

https

Specification	
Type	*object*

cert

Description Specify client certificate (Certificate name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cert-key-shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv2hello

Description Disable SSLv2Hello for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https

Description HTTPS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-kerberos-auth

Description Https Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-kerberos-kdc

Description: https-kerberos-kdc is a **JSON Block**. Please see below for *https_https-kerberos-kdc*

Type: Object

https-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

https-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

https-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-response-code and https-text are mutually exclusive

https-server-cert-name

Description Expect Server Cert commonName

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: https-text https-response-code and text-regex are mutually exclusive

https-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

key

Description Specify client private key (Key name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

key-pass-phrase

Description Client private key password phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-phrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sni

Description Server Name Indication for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and https-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-port

Description Specify HTTPS port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

https_https-kerberos-kdc

Specification	
Type	*object*

https-kerberos-hostip

Description Kdc's hostname or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-kerberos-hostip and https-kerberos-hostipv6 are mutually exclusive

https-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: https-kerberos-hostipv6 and https-kerberos-hostip are mutually exclusive

https-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

https-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

compound

Specification	
Type	*object*

compound

Description Compound type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpn-string

Description Enter Reverse Polish Notation, example: sub hm1 sub hm2 and

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

database

Specification	
Type	*object*

database

Description DATABASE type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-name

Description 'mssql': Specify MSSQL database; 'mysql': Specify MySQL database; 'oracle': Specify Oracle database; 'postgresql': Specify PostgreSQL database;

Type: string

Supported Values: mssql, mysql, oracle, postgresql

db-column

Description Specify the column number for receiving

Type: number

Range: 1-10

db-column-integer

Description Specify the column number for receiving

Type: number

Range: 1-10

db-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

db-name

Description Specify the database name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

db-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

db-password-str

Description Configure password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

db-receive

Description Specify the response string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: db-receive and db-receive-integer are mutually exclusive

db-receive-integer

Description Specify the response integer

Type: number

Range: 0-2147483647

Mutual Exclusion: db-receive-integer and db-receive are mutually exclusive

db-row

Description Specify the row number for receiving

Type: number

Range: 1-10

db-row-integer

Description Specify the row number for receiving

Type: number

Range: 1-10

db-send

Description Specify the SQL query

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

db-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp

Specification	
Type	*object*

mail-from

Description Specify SMTP Sender

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rcpt-to

Description Specify SMTP Receiver

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

smtp

Description SMTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smtp-domain

Description Specify domain name of 'helo' command

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

smtp-port

Description Specify SMTP port, default is 25 (Port Number (default 25))

Type: number

Range: 1-65534

Default: 25

smtp-starttls

Description Check the STARTTLS support at helo response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ntp

Specification	
Type	*object*

ntp

Description NTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntp-port

Description Specify the NTP port, default is 123 (Port Number (default 123))

Type: number

Range: 1-65534

Default: 123

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rtsp

Specification	
Type	*object*

rtsp

Description RTSP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtsp-port

Description Specify RTSP port, default is 554 (Port Number (default 554))

Type: number

Range: 1-65534

Default: 554

rtspurl

Description Specify URL string (Specify the path on the server)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp

Specification	
Type	*object*

community

Description Specify SNMP community, default is "public" (Community String)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: public

oid

Description: oid is a **JSON Block**. Please see below for *snmp_oid*

Type: Object

operation

Description: operation is a **JSON Block**. Please see below for *snmp_operation*

Type: Object

snmp

Description SNMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp-port

Description Specify SNMP port, default is 161 (Port Number)

Type: number

Range: 1-65534

Default: 161

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp_oid

Specification	
Type	*object*

asn

Description Specify the format in ASN.1 style

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: asn and mib are mutually exclusive

mib

Description 'sysDescr': The MIB-2 OID of system description, 1.1.0; 'sysUpTime': The MIB-2 OID of system up time, 1.3.0; 'sysName': The MIB-2 OID of system nume, 1.5.0;

Type: string

Supported Values: sysDescr, sysUpTime, sysName

Mutual Exclusion: mib and asn are mutually exclusive

snmp_operation

Specification	
Type	*object*

oper-type

Description 'getnext': Get-Next-Request command; 'get': Get-Request command;

Type: string

Supported Values: getnext, get

tcp

Specification	
Type	*object*

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method-tcp

Description TCP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-halfopen

Description Set TCP SYN check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-halfopen and port-send are mutually exclusive

port-resp

Description: port-resp is a **JSON Block**. Please see below for *tcp_port-resp*

Type: Object

port-send

Description Send a string to server (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

Mutual Exclusion: port-send and port-halfopen are mutually exclusive

tcp-port

Description Specify TCP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-resp

Specification	
Type	*object*

port-contains

Description Mark server up if response string contains another string (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pop3

Specification	
Type	*object*

pop3

Description POP3 type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

pop3-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-password-string

Description Specify the user password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

pop3-port

Description Specify the POP3 port, default is 110 (Port Number (default 110))

Type: number

Range: 1-65534

Default: 110

pop3-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tacplus

Specification	
Type	*object*

secret-encrypted

Description

tacplus

Description TACACS+ type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

tacplus-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-port

Description Specify the TACACS+ port, default 49 (Port number (default 49))

Type: number

Range: 1-65534

Default: 49

tacplus-secret

Description Specify the shared secret of TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-secret-string

Description Shared Crypto Key

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-type

Description 'inbound-ascii-login': Specify Inbound ASCII Login type;

Type: string

Supported Values: inbound-ascii-login

Default: inbound-ascii-login

tacplus-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

radius

Specification	
Type	*object*

radius

Description RADIUS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-port

Description Specify the RADIUS port, default is 1812 (Port number (default 1812))

Type: number

Range: 1-65534

Default: 1812

radius-response-code

Description Specify response code range (e.g. 2,4-7) (Format is xx,xx-xx (xx between [1, 13]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret

Description Specify the shared secret of RADIUS server (Shared Crypto Key)

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

secret-encrypted

Description

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

external

Specification	
Type	*object*

ext-arguments

Description Specify external application's arguments (Application arguments)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ext-port

Description Specify the server port (Port Number)

Type: number

Range: 1-65534

ext-preference

Description Get server's perference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-program

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ext-program-shared

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external

Description EXTERNAL type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-program

Description external application from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns

Specification	
Type	*object*

dns

Description DNS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain

Description Specify fully qualified domain name of the host

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain and dns-ip-key are mutually exclusive

dns-domain-expect

Description: dns-domain-expect is a **JSON Block**. Please see below for *dns_dns-domain-expect*

Type: Object

dns-domain-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-domain-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-domain-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain-type

Description 'A': Used for storing Ipv4 address (default); 'CNAME': Canonical name for a DNS alias; 'SOA': Start of authority; 'PTR': Domain name pointer; 'MX': Mail exchanger; 'TXT': Text string; 'AAAA': Used for storing Ipv6 128-bits address;

Type: string

Supported Values: A, CNAME, SOA, PTR, MX, TXT, AAAA

Default: A

dns-ip-key

Description Reverse DNS lookup (Specify IPv4 or IPv6 address)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dns-ip-key and dns-domain are mutually exclusive

dns-ipv4-addr

Description Specify IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-ipv4-addr and dns-ipv6-addr are mutually exclusive

dns-ipv4-expect

Description: dns-ipv4-expect is a **JSON Block**. Please see below for *dns_dns-ipv4-expect*

Type: Object

dns-ipv4-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv4-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv4-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-ipv6-addr

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-ipv6-addr and dns-ipv4-addr are mutually exclusive

dns-ipv6-expect

Description: dns-ipv6-expect is a **JSON Block**. Please see below for *dns_dns-ipv6-expect*

Type: Object

dns-ipv6-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv6-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv6-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_dns-domain-expect

Specification	
Type	*object*

dns-domain-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-fqdndns-domain-response, dns-domain-ipv4 and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv4

Description Specify expected resolved IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-domain-ipv4dns-domain-response, dns-domain-fqdn and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv6

Description Specify expected resolved IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-domain-ipv6dns-domain-response, dns-domain-fqdn and dns-domain-ipv4 are mutually exclusive

dns-domain-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-responsedns-domain-fqdn, dns-domain-ipv4 and dns-domain-ipv6 are mutually exclusive

dns_dns-ipv6-expect

Specification	
Type	*object*

dns-ipv6-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-fqdn and dns-ipv6-response are mutually exclusive

dns-ipv6-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-response and dns-ipv6-fqdn are mutually exclusive

dns_dns-ipv4-expect

Specification	
Type	*object*

dns-ipv4-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-fqdn and dns-ipv4-response are mutually exclusive

dns-ipv4-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-response and dns-ipv4-fqdn are mutually exclusive

ldap

Specification	
Type	*object*

AcceptNotFound

Description Mark server up on receiving a not-found response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

AcceptResRef

Description Mark server up on receiving a search result reference response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BaseDN

Description Specify LDAP DN distinguished name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap

Description LDAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-binddn

Description Specify the distinguished name for bindRequest (LDAP DN distinguished name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ldap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap-port

Description Specify the LDAP port (Speciry port number, default is 389, or 636 if LDAP over SSL)

Type: number

Range: 1-65534

Default: 389

ldap-query

Description LDAP query to be excuted

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ldap-run-search

Description Specify a query to be executed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-security

Description 'overssl': Set LDAP over SSL; 'StartTLS': LDAP switch to TLS;

Type: string

Supported Values: overssl, StartTLS

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp

Specification	
Type	*object*

icmp

Description ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

ip

Description Specify IPv4 address of destination behind monitored node

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Specify IPv6 address of destination behind monitored node

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

transparent

Description Apply transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kerberos-kdc

Specification	
Type	*object*

kerberos-cfg

Description: kerberos-cfg is a **JSON Block**. Please see below for *kerberos-kdc_kerberos-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kerberos-kdc_kerberos-cfg

Specification	
Type	*object*

kadmin

Description Kerberos admin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kadmin kinit and kpasswd are mutually exclusive

kadmin-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kadmin-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kadmin-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kadmin-realm

Description Specify the realm

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-server

Description Specify the admin server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit

Description Kerberos KDC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kinit kadmin and kpasswd are mutually exclusive

kinit-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kinit-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kinit-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd

Description Kerberos change passwd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kpasswd kinit and kadmin are mutually exclusive

kpasswd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kpasswd-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kpasswd-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kpasswd-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd-server

Description Specify the Kerberos password server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-only

Description Specify the kerberos tcp only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap

Specification	
Type	*object*

imap

Description IMAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-cram-md5

Description Challenge-response authentication mechanism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

imap-login

Description Simple login

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

imap-plain

Description Plain text

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-port

Description Specify the IMAP port, default is 143 (Port Number (default 143))

Type: number

Range: 1-65534

Default: 143

imap-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

pwd-auth

Description Specify the Authentication method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.6 health monitor method compound

Compound type

compound Specification

Type	*Configuration Resource*
Element Name	compound
Element URI	/axapi/v3/health/monitor/{name}/method/compound
Element Attributes	compound_attributes
Schema	`compound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

```
POST /axapi/v3/health/monitor/a/method/compound
Payload:
{
    "compound": {
        "rpn-string": "sub a1 sub a2 and",
        "compound": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

```
GET /axapi/v3/health/monitor/a/method/compound
Reponse:
{
    "compound": {
        "compound": 1,
        "rpn-string": "sub a1 sub a2 and",
        "uuid": "f24dc33c-6052-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/compound"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

```
PUT /axapi/v3/health/monitor/a/method/compound
Payload:
{
    "compound": {
        "rpn-string": "sub a1 sub a3 or",
        "compound": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

```
DELETE /axapi/v3/health/monitor/a/method/compound
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

compound attributes

compound

Description Compound type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpn-string

Description Enter Reverse Polish Notation, example: sub hm1 sub hm2 and

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.7 health monitor method database

DATABASE type

database Specification

Type	*Configuration Resource*
Element Name	database
Element URI	/axapi/v3/health/monitor/{name}/method/database
Element Attributes	database_attributes
Schema	`database schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/database

database attributes

```
POST /axapi/v3/health/monitor/a/method/database
Payload:
{
    "database": {
        "db-password": 1,
        "database": 1,
        "database-name": "mssql",
        "db-name": "a",
        "db-username": "a",
        "db-password-str": "a",
        "db-send": "a",
        "db-receive": "a",
        "db-column": 1,
        "db-row": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/database

database attributes

```
GET /axapi/v3/health/monitor/a/method/database
Reponse:
{
    "database": {
        "database": 1,
        "database-name": "mssql",
        "db-name": "a",
        "db-username": "a",
        "db-password": 1,
        "db-encrypted": "XXXXX",
        "db-send": "a",
        "db-receive": "a",
        "db-row": 1,
        "db-column": 1,
        "uuid": "02987f70-6053-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/database"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/database

database attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/database

database attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/database

database attributes

```
DELETE /axapi/v3/health/monitor/a/method/database
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

database attributes

database

Description DATABASE type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-name

Description 'mssql': Specify MSSQL database; 'mysql': Specify MySQL database; 'oracle': Specify Oracle database; 'postgresql': Specify PostgreSQL database;

Type: string

Supported Values: mssql, mysql, oracle, postgresql

db-column

Description Specify the column number for receiving

Type: number

Range: 1-10

db-column-integer

Description Specify the column number for receiving

Type: number

Range: 1-10

db-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

db-name

Description Specify the database name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

db-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

db-password-str

Description Configure password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

db-receive

Description Specify the response string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: db-receive and db-receive-integer are mutually exclusive

db-receive-integer

Description Specify the response integer

Type: number

Range: 0-2147483647

Mutual Exclusion: db-receive-integer and db-receive are mutually exclusive

db-row

Description Specify the row number for receiving

Type: number

Range: 1-10

db-row-integer

Description Specify the row number for receiving

Type: number

Range: 1-10

db-send

Description Specify the SQL query

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

db-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.8 health monitor method dns

DNS type

dns Specification

Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/health/monitor/{name}/method/dns
Element Attributes	dns_attributes
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

```
POST /axapi/v3/health/monitor/a/method/dns
Payload:
{
    "dns": {
        "dns": 1,
```

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```
        "dns-ip-key": 1,
        "dns-ipv4-addr": "3.3.3.3",
        "dns-ipv4-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

```
GET /axapi/v3/health/monitor/a/method/dns
Reponse:
{
    "dns": {
        "dns": 1,
        "dns-ip-key": 1,
        "dns-ipv4-addr": "3.3.3.3",
        "dns-ipv4-port": 1,
        "dns-ipv4-recurse": "enabled",
        "dns-ipv4-tcp": 0,
        "uuid": "29c962ee-6053-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/dns"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

```
PUT /axapi/v3/health/monitor/a/method/dns
Payload:
{
    "dns": {
        "dns": 1,
        "dns-ip-key": 1,
        "dns-ipv4-addr": "3.3.3.4",
        "dns-ipv4-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

```
DELETE /axapi/v3/health/monitor/a/method/dns
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns attributes

dns

Description DNS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain

Description Specify fully qualified domain name of the host

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain and dns-ip-key are mutually exclusive

dns-domain-expect

Description: dns-domain-expect is a **JSON Block**. Please see below for *dns-domain-expect*

Type: Object

dns-domain-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-domain-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-domain-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain-type

Description 'A': Used for storing Ipv4 address (default); 'CNAME': Canonical name for a DNS alias; 'SOA': Start of authority; 'PTR': Domain name pointer; 'MX': Mail exchanger; 'TXT': Text string; 'AAAA': Used for storing Ipv6 128-bits address;

Type: string

Supported Values: A, CNAME, SOA, PTR, MX, TXT, AAAA

Default: A

dns-ip-key

Description Reverse DNS lookup (Specify IPv4 or IPv6 address)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dns-ip-key and dns-domain are mutually exclusive

dns-ipv4-addr

Description Specify IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-ipv4-addr and dns-ipv6-addr are mutually exclusive

dns-ipv4-expect

Description: dns-ipv4-expect is a **JSON Block**. Please see below for *dns-ipv4-expect*

Type: Object

dns-ipv4-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv4-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv4-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-ipv6-addr

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-ipv6-addr and dns-ipv4-addr are mutually exclusive

dns-ipv6-expect

Description: dns-ipv6-expect is a **JSON Block**. Please see below for *dns-ipv6-expect*

Type: Object

dns-ipv6-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv6-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv6-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-domain-expect

Specification	
Type	*object*

dns-domain-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-fqdndns-domain-response, dns-domain-ipv4 and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv4

Description Specify expected resolved IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-domain-ipv4dns-domain-response, dns-domain-fqdn and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv6

Description Specify expected resolved IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-domain-ipv6dns-domain-response, dns-domain-fqdn and dns-domain-ipv4 are mutually exclusive

dns-domain-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-responsedns-domain-fqdn, dns-domain-ipv4 and dns-domain-ipv6 are mutually exclusive

dns-ipv6-expect

Specification	
Type	*object*

dns-ipv6-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-fqdn and dns-ipv6-response are mutually exclusive

dns-ipv6-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-response and dns-ipv6-fqdn are mutually exclusive

dns-ipv4-expect

Specification	
Type	*object*

dns-ipv4-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-fqdn and dns-ipv4-response are mutually exclusive

dns-ipv4-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-response and dns-ipv4-fqdn are mutually exclusive

2.43.9 health monitor method external

EXTERNAL type

external Specification

Type	*Configuration Resource*
Element Name	external
Element URI	/axapi/v3/health/monitor/{name}/method/external
Element Attributes	external_attributes
Schema	`external schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/external

external attributes

```
POST /axapi/v3/health/monitor/a/method/external
Payload:
{
    "external": {
        "external": 1,
        "ext-program": "a",
        "ext-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/external

external attributes

```
GET /axapi/v3/health/monitor/a/method/external
Reponse:
{
    "external": {
        "external": 1,
        "ext-program": "a",
        "ext-port": 1,
        "ext-preference": 0,
        "uuid": "663a4234-6053-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/external"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/external

external attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/external

external attributes

```
PUT /axapi/v3/health/monitor/a/method/external
Payload:
{
    "external": {
        "external": 1,
        "ext-program": "abcd",
        "ext-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/external

external attributes

```
DELETE /axapi/v3/health/monitor/a/method/external
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

external attributes

ext-arguments

Description Specify external application's arguments (Application arguments)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ext-port

Description Specify the server port (Port Number)

Type: number

Range: 1-65534

ext-preference

Description Get server's perference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-program

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ext-program-shared

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external

Description EXTERNAL type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-program

Description external application from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.10 health monitor method ftp

FTP type

ftp Specification

Type	*Configuration Resource*
Element Name	ftp
Element URI	/axapi/v3/health/monitor/{name}/method/ftp
Element Attributes	ftp_attributes
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

```
POST /axapi/v3/health/monitor/a/method/ftp
Payload:
{
    "ftp": {
        "ftp": 1,
        "ftp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

```
GET /axapi/v3/health/monitor/a/method/ftp
Reponse:
{
    "ftp": {
        "ftp": 1,
        "ftp-port": 1,
        "uuid": "97998f92-6053-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/ftp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

```
PUT /axapi/v3/health/monitor/a/method/ftp
Payload:
{
    "ftp": {
        "ftp": 1,
        "ftp-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

```
DELETE /axapi/v3/health/monitor/a/method/ftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp attributes

ftp

Description FTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ftp-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-password-string

Description Specify the user password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ftp-port

Description Specify FTP port (Specify port number, default is 21)

Type: number

Range: 1-65534

Default: 21

ftp-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.11 health monitor method http

HTTP type

http Specification

Type	*Configuration Resource*
Element Name	http
Element URI	/axapi/v3/health/monitor/{name}/method/http
Element Attributes	http_attributes
Schema	`http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/http

http attributes

```
POST /axapi/v3/health/monitor/a/method/http
Payload:
{
    "http": {
        "http": 1,
        "http-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/http

http attributes

```
GET /axapi/v3/health/monitor/a/method/http
Reponse:
{
    "http": {
        "http": 1,
        "http-port": 1,
        "http-expect": 0,
        "http-url": 0,
        "maintenance": 0,
        "http-kerberos-auth": 0,
        "uuid": "c1c72932-6053-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/http"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/http

http attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/http

http attributes

```
PUT /axapi/v3/health/monitor/a/method/http
Payload:
{
    "http": {
```

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```
        "http": 1,
        "http-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/http

http attributes

```
DELETE /axapi/v3/health/monitor/a/method/http
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

http attributes

http

Description HTTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

http-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-kerberos-auth

Description Http Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Description: http-kerberos-kdc is a **JSON Block**. Please see below for *http-kerberos-kdc*

Type: Object

http-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-password-string

Description Specify password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

http-port

Description Specify HTTP Port (Specify port number (default 80))

Type: number

Range: 1-65534

Default: 80

http-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-response-code and http-text are mutually exclusive

http-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: http-text http-response-code and text-regex are mutually exclusive

http-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and http-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-kerberos-kdc

Specification	
Type	*object*

http-kerberos-hostip

Description Kdc's hostname or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-kerberos-hostip and http-kerberos-hostipv6 are mutually exclusive

http-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: http-kerberos-hostipv6 and http-kerberos-hostip are mutually exclusive

http-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

http-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

2.43.12 health monitor method https

HTTPS type

https Specification

Type	*Configuration Resource*
Element Name	https
Element URI	/axapi/v3/health/monitor/{name}/method/https
Element Attributes	https_attributes
Schema	`https schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/https

https attributes

```
POST /axapi/v3/health/monitor/a/method/https
Payload:
{
    "https": {
        "https": 1,
        "web-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/https

https attributes

```
GET /axapi/v3/health/monitor/a/method/https
Reponse:
{
    "https": {
        "https": 1,
        "web-port": 1,
        "https-expect": 0,
        "https-url": 0,
        "disable-sslv2hello": 0,
        "https-kerberos-auth": 0,
        "uuid": "d62508c2-4f40-11e9-9142-000c2940c949",
        "a10-url": "/axapi/v3/health/monitor/a/method/https"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/https

https attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/https

https attributes

```
PUT /axapi/v3/health/monitor/a/method/https
Payload:
{
    "https": {
        "https": 1,
        "web-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/https

https attributes

```
DELETE /axapi/v3/health/monitor/a/method/https
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

https attributes

cert

Description Specify client certificate (Certificate name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cert-key-shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv2hello

Description Disable SSLv2Hello for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https

Description HTTPS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-kerberos-auth

Description Https Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-kerberos-kdc

Description: https-kerberos-kdc is a **JSON Block**. Please see below for *https-kerberos-kdc*

Type: Object

https-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

https-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

https-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-response-code and https-text are mutually exclusive

https-server-cert-name

Description Expect Server Cert commonName

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: https-text https-response-code and text-regex are mutually exclusive

https-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

key

Description Specify client private key (Key name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

key-pass-phrase

Description Client private key password phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-phrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sni

Description Server Name Indication for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and https-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-port

Description Specify HTTPS port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

https-kerberos-kdc

Specification	
Type	*object*

https-kerberos-hostip

Description Kdc's hostname or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-kerberos-hostip and https-kerberos-hostipv6 are mutually exclusive

https-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: https-kerberos-hostipv6 and https-kerberos-hostip are mutually exclusive

https-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

https-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

2.43.13 health monitor method icmp

ICMP type

icmp Specification

Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/health/monitor/{name}/method/icmp
Element Attributes	icmp_attributes
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

```
POST /axapi/v3/health/monitor/a/method/icmp
Payload:
{
    "icmp": {
        "icmp": 1,
```

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```
        "transparent": 1,
        "ipv6": "2003::1"
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

```
GET /axapi/v3/health/monitor/a/method/icmp
Reponse:
{
    "icmp": {
        "icmp": 1,
        "transparent": 1,
        "ipv6": "2003::1",
        "uuid": "19fb9638-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

```
PUT /axapi/v3/health/monitor/a/method/icmp
Payload:
{
    "icmp": {
        "icmp": 1,
        "transparent": 1,
        "ipv6": "2003::2"
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

```
DELETE /axapi/v3/health/monitor/a/method/icmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp attributes

icmp

Description ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

ip

Description Specify IPv4 address of destination behind monitored node

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Specify IPv6 address of destination behind monitored node

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

transparent

Description Apply transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.14 health monitor method imap

IMAP type

imap Specification

Type	*Configuration Resource*
Element Name	imap
Element URI	/axapi/v3/health/monitor/{name}/method/imap
Element Attributes	imap_attributes
Schema	`imap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

```
POST /axapi/v3/health/monitor/a/method/imap
Payload:
{
    "imap": {
        "imap-password": 1,
        "imap": 1,
        "imap-port": 1,
        "imap-username": "a",
        "imap-password-string": "a",
        "pwd-auth": 1,
        "imap-plain": 1,
        "imap-cram-md5": 1,
        "imap-login": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

```
GET /axapi/v3/health/monitor/a/method/imap
Reponse:
{
    "imap": {
        "imap": 1,
        "imap-port": 1,
        "imap-username": "a",
        "imap-password": 1,
```

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```
        "imap-encrypted": "XXXXX",
        "pwd-auth": 1,
        "imap-plain": 1,
        "imap-cram-md5": 1,
        "imap-login": 1,
        "uuid": "35567452-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/imap"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

```
DELETE /axapi/v3/health/monitor/a/method/imap
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

imap attributes

imap

Description IMAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-cram-md5

Description Challenge-response authentication mechanism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

imap-login

Description Simple login

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

imap-plain

Description Plain text

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-port

Description Specify the IMAP port, default is 143 (Port Number (default 143))

Type: number

Range: 1-65534

Default: 143

imap-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

pwd-auth

Description Specify the Authentication method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.15 health monitor method kerberos-kdc

Kerberos KDC type

kerberos-kdc Specification

Type	*Configuration Resource*
Element Name	kerberos-kdc
Element URI	/axapi/v3/health/monitor/{name}/method/kerberos-kdc
Element Attributes	kerberos-kdc_attributes
Schema	`kerberos-kdc schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

```
POST /axapi/v3/health/monitor/a/method/kerberos-kdc
Payload:
{
    "kerberos-kdc": {
        "kerberos-cfg": {
            "kinit": 1,
            "kinit-pricipal-name": "a",
            "kinit-password": "a",
            "kinit-kdc": "a",
            "tcp-only": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

```
GET /axapi/v3/health/monitor/a/method/kerberos-kdc
Reponse:
{
    "kerberos-kdc": {
        "kerberos-cfg": {
            "kinit": 1,
            "kinit-pricipal-name": "a",
            "kinit-encrypted": "XXXXX",
            "kinit-kdc": "a",
            "tcp-only": 1
        },
        "uuid": "4a7e4616-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/kerberos-kdc"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

```
DELETE /axapi/v3/health/monitor/a/method/kerberos-kdc
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

kerberos-kdc attributes

kerberos-cfg

Description: kerberos-cfg is a **JSON Block**. Please see below for *kerberos-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kerberos-cfg

Specification	
Type	*object*

kadmin

Description Kerberos admin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kadmin kinit and kpasswd are mutually exclusive

kadmin-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kadmin-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kadmin-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kadmin-realm

Description Specify the realm

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-server

Description Specify the admin server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit

Description Kerberos KDC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kinit kadmin and kpasswd are mutually exclusive

kinit-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kinit-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kinit-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd

Description Kerberos change passwd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kpasswd kinit and kadmin are mutually exclusive

kpasswd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kpasswd-kdc

Description Specify the kdc server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kpasswd-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kpasswd-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd-server

Description Specify the Kerberos password server, hostlip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-only

Description Specify the kerberos tcp only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.43.16 health monitor method ldap

LDAP type

ldap Specification

Type	*Configuration Resource*
Element Name	ldap
Element URI	/axapi/v3/health/monitor/{name}/method/ldap
Element Attributes	ldap_attributes
Schema	`ldap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

```
POST /axapi/v3/health/monitor/a/method/ldap
Payload:
{
    "ldap": {
        "ldap": 1,
        "ldap-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

```
GET /axapi/v3/health/monitor/a/method/ldap
Reponse:
{
    "ldap": {
        "ldap": 1,
        "ldap-port": 1,
        "ldap-run-search": 0,
        "uuid": "62970e86-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/ldap"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

```
PUT /axapi/v3/health/monitor/a/method/ldap
Payload:
{
    "ldap": {
        "ldap": 1,
        "ldap-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

```
DELETE /axapi/v3/health/monitor/a/method/ldap
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ldap attributes

AcceptNotFound

Description Mark server up on receiving a not-found response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

AcceptResRef

Description Mark server up on receiving a search result reference response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BaseDN

Description Specify LDAP DN distinguished name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap

Description LDAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-binddn

Description Specify the distinguished name for bindRequest (LDAP DN distinguished name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ldap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap-port

Description Specify the LDAP port (Speciry port number, default is 389, or 636 if LDAP over SSL)

Type: number

Range: 1-65534

Default: 389

ldap-query

Description LDAP query to be excuted

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ldap-run-search

Description Specify a query to be executed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-security

Description ‘overssl’: Set LDAP over SSL; ‘StartTLS’: LDAP switch to TLS;

Type: string

Supported Values: overssl, StartTLS

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.17 health monitor method ntp

NTP type

ntp Specification

Type	*Configuration Resource*
Element Name	ntp
Element URI	/axapi/v3/health/monitor/{name}/method/ntp
Element Attributes	ntp_attributes
Schema	`ntp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

```
POST /axapi/v3/health/monitor/a/method/ntp
Payload:
{
    "ntp": {
        "ntp": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

```
GET /axapi/v3/health/monitor/a/method/ntp
Reponse:
{
    "ntp": {
        "ntp": 1,
        "ntp-port": 123,
        "uuid": "8f87e6fe-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/ntp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

```
PUT /axapi/v3/health/monitor/a/method/ntp
Payload:
{
    "ntp": {
        "ntp": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

```
DELETE /axapi/v3/health/monitor/a/method/ntp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ntp attributes

ntp

Description NTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntp-port

Description Specify the NTP port, default is 123 (Port Number (default 123))

Type: number

Range: 1-65534

Default: 123

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.18 health monitor method pop3

POP3 type

pop3 Specification

Type	*Configuration Resource*
Element Name	pop3
Element URI	/axapi/v3/health/monitor/{name}/method/pop3
Element Attributes	pop3_attributes
Schema	`pop3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

```
POST /axapi/v3/health/monitor/a/method/pop3
Payload:
{
    "pop3": {
        "pop3": 1,
        "pop3-password": 1,
        "pop3-username": "a",
        "pop3-password-string": "a"
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

```
GET /axapi/v3/health/monitor/a/method/pop3
Reponse:
{
    "pop3": {
        "pop3": 1,
        "pop3-username": "a",
        "pop3-password": 1,
        "pop3-encrypted": "XXXXX",
        "pop3-port": 110,
        "uuid": "a4238dc0-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/pop3"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

```
DELETE /axapi/v3/health/monitor/a/method/pop3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pop3 attributes

pop3

Description POP3 type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

pop3-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

pop3-port

Description Specify the POP3 port, default is 110 (Port Number (default 110))

Type: number

Range: 1-65534

Default: 110

pop3-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.19 health monitor method radius

RADIUS type

radius Specification

Type	*Configuration Resource*
Element Name	radius
Element URI	/axapi/v3/health/monitor/{name}/method/radius
Element Attributes	radius_attributes
Schema	`radius schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

```
POST /axapi/v3/health/monitor/a/method/radius
Payload:
{
    "radius": {
        "radius-username": "a",
        "radius-password": 1,
        "radius": 1,
        "radius-secret": "a",
        "radius-password-string": "a",
        "radius-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

```
GET /axapi/v3/health/monitor/a/method/radius
Reponse:
{
    "radius": {
        "radius": 1,
        "radius-username": "a",
        "radius-password": 1,
        "radius-encrypted": "XXXXX",
        "radius-secret": "a",
        "radius-port": 1,
        "radius-expect": 0,
        "uuid": "b82d808c-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/radius"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

```
DELETE /axapi/v3/health/monitor/a/method/radius
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

radius attributes

radius

Description RADIUS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password-string

Description Configure password, ‘’ means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-port

Description Specify the RADIUS port, default is 1812 (Port number (default 1812))

Type: number

Range: 1-65534

Default: 1812

radius-response-code

Description Specify response code range (e.g. 2,4-7) (Format is xx,xx-xx (xx between [1, 13]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret

Description Specify the shared secret of RADIUS server (Shared Crypto Key)

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

secret-encrypted

Description

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.20 health monitor method rtsp

RTSP type

rtsp Specification

Type	*Configuration Resource*
Element Name	rtsp
Element URI	/axapi/v3/health/monitor/{name}/method/rtsp
Element Attributes	rtsp_attributes
Schema	`rtsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

```
POST /axapi/v3/health/monitor/a/method/rtsp
Payload:
{
    "rtsp": {
        "rtsp": 1,
        "rtspurl": "/a",
        "rtsp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

```
GET /axapi/v3/health/monitor/a/method/rtsp
Reponse:
{
    "rtsp": {
        "rtsp": 1,
        "rtspurl": "/a",
        "rtsp-port": 1,
        "uuid": "ca54acfe-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/rtsp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

```
PUT /axapi/v3/health/monitor/a/method/rtsp
Payload:
{
    "rtsp": {
        "rtsp": 1,
        "rtspurl": "/ab",
        "rtsp-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

```
DELETE /axapi/v3/health/monitor/a/method/rtsp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rtsp attributes

rtsp

Description RTSP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtsp-port

Description Specify RTSP port, default is 554 (Port Number (default 554))

Type: number

Range: 1-65534

Default: 554

rtspurl

Description Specify URL string (Specify the path on the server)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.21 health monitor method sip

SIP type

sip Specification

Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/health/monitor/{name}/method/sip
Element Attributes	sip_attributes
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

```
POST /axapi/v3/health/monitor/a/method/sip
Payload:
{
    "sip": {
        "sip": 1,
        "register": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

```
GET /axapi/v3/health/monitor/a/method/sip
Reponse:
```

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```
{
    "sip": {
        "sip": 1,
        "register": 1,
        "sip-port": 5060,
        "sip-tcp": 0,
        "uuid": "decb933c-6054-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/sip"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

```
PUT /axapi/v3/health/monitor/a/method/sip
Payload:
{
    "sip": {
        "sip": 1,
        "register": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

```
DELETE /axapi/v3/health/monitor/a/method/sip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip attributes

expect-response-code

Description Specify accepted response codes (e.g. 200, 400-430, any) (Format is xxx,xxx-xxx,any (xxx between [100,899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

register

Description Send SIP REGISTER message, default is to send OPTION message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Description SIP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip-port

Description Specify the SIP port, default is 5060 (Port Number)

Type: number

Range: 1-65534

Default: 5060

sip-tcp

Description Use TCP for transmission, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.22 health monitor method smtp

SMTP type

smtp Specification

Type	*Configuration Resource*
Element Name	smtp
Element URI	/axapi/v3/health/monitor/{name}/method/smtp
Element Attributes	smtp_attributes
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

```
POST /axapi/v3/health/monitor/a/method/smtp
Payload:
{
    "smtp": {
        "smtp-domain": "a",
        "smtp": 1,
        "smtp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

```
GET /axapi/v3/health/monitor/a/method/smtp
Reponse:
{
    "smtp": {
        "smtp": 1,
        "smtp-domain": "a",
        "smtp-port": 1,
        "smtp-starttls": 0,
        "uuid": "01df7208-6055-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/smtp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

```
PUT /axapi/v3/health/monitor/a/method/smtp
Payload:
{
    "smtp": {
        "smtp-domain": "a",
        "smtp": 1,
        "smtp-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

```
DELETE /axapi/v3/health/monitor/a/method/smtp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

smtp attributes

mail-from

Description Specify SMTP Sender

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rcpt-to

Description Specify SMTP Receiver

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

smtp

Description SMTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smtp-domain

Description Specify domain name of 'helo' command

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

smtp-port

Description Specify SMTP port, default is 25 (Port Number (default 25))

Type: number

Range: 1-65534

Default: 25

smtp-starttls

Description Check the STARTTLS support at helo response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.23 health monitor method snmp

SNMP type

snmp Specification

Type	*Configuration Resource*
Element Name	snmp
Element URI	/axapi/v3/health/monitor/{name}/method/snmp
Element Attributes	snmp_attributes
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

```
POST /axapi/v3/health/monitor/a/method/snmp
Payload:
{
    "snmp": {
        "snmp": 1,
        "snmp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

```
GET /axapi/v3/health/monitor/a/method/snmp
Reponse:
{
    "snmp": {
        "snmp": 1,
        "snmp-port": 1,
        "community": "public",
        "uuid": "24d8479e-6055-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/snmp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

```
PUT /axapi/v3/health/monitor/a/method/snmp
Payload:
{
    "snmp": {
        "snmp": 1,
        "snmp-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

```
DELETE /axapi/v3/health/monitor/a/method/snmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

snmp attributes

community

Description Specify SNMP community, default is "public" (Community String)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: public

oid

Description: oid is a **JSON Block**. Please see below for *oid*

Type: Object

operation

Description: operation is a **JSON Block**. Please see below for *operation*

Type: Object

snmp

Description SNMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp-port

Description Specify SNMP port, default is 161 (Port Number)

Type: number

Range: 1-65534

Default: 161

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oid

Specification	
Type	*object*

asn

Description Specify the format in ASN.1 style

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: asn and mib are mutually exclusive

mib

Description 'sysDescr': The MIB-2 OID of system description, 1.1.0; 'sysUpTime': The MIB-2 OID of system up time, 1.3.0; 'sysName': The MIB-2 OID of system nume, 1.5.0;

Type: string

Supported Values: sysDescr, sysUpTime, sysName

Mutual Exclusion: mib and asn are mutually exclusive

operation

Specification	
Type	*object*

oper-type

Description 'getnext': Get-Next-Request command; 'get': Get-Request command;

Type: string

Supported Values: getnext, get

2.43.24 health monitor method tacplus

TACACS+ type

tacplus Specification

Type	*Configuration Resource*
Element Name	tacplus
Element URI	/axapi/v3/health/monitor/{name}/method/tacplus
Element Attributes	tacplus_attributes
Schema	`tacplus schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

Get Object

GET

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

tacplus attributes

secret-encrypted

Description

tacplus

Description TACACS+ type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

tacplus-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-port

Description Specify the TACACS+ port, default 49 (Port number (default 49))

Type: number

Range: 1-65534

Default: 49

tacplus-secret

Description Specify the shared secret of TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-secret-string

Description Shared Crypto Key

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-type

Description 'inbound-ascii-login': Specify Inbound ASCII Login type;

Type: string

Supported Values: inbound-ascii-login

Default: inbound-ascii-login

tacplus-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.43.25 health monitor method tcp

TCP type

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/health/monitor/{name}/method/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

```
POST /axapi/v3/health/monitor/a/method/tcp
Payload:
{
    "tcp": {
        "method-tcp": 1,
        "tcp-port": 1,
        "port-halfopen": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

```
GET /axapi/v3/health/monitor/a/method/tcp
Reponse:
{
    "tcp": {
        "method-tcp": 1,
        "tcp-port": 1,
        "port-halfopen": 1,
        "uuid": "65dfed0a-6055-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

```
PUT /axapi/v3/health/monitor/a/method/tcp
Payload:
{
    "tcp": {
        "method-tcp": 1,
        "tcp-port": 1,
```

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```
        "port-send": "abcd",
        "maintenance": 1,
        "maintenance-text": "abcd",
        "port-resp": {
            "port-contains": "qwe"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

```
DELETE /axapi/v3/health/monitor/a/method/tcp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp attributes

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method-tcp

Description TCP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-halfopen

Description Set TCP SYN check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-halfopen and port-send are mutually exclusive

port-resp

Description: port-resp is a **JSON Block**. Please see below for *port-resp*

Type: Object

port-send

Description Send a string to server (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

Mutual Exclusion: port-send and port-halfopen are mutually exclusive

tcp-port

Description Specify TCP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-resp

Specification	
Type	*object*

port-contains

Description Mark server up if response string contains another string (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.43.26 health monitor method udp

UDP type

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/health/monitor/{name}/method/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

```
POST /axapi/v3/health/monitor/a/method/udp
Payload:
{
    "udp": {
        "udp": 1,
        "udp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

```
GET /axapi/v3/health/monitor/a/method/udp
Reponse:
{
    "udp": {
        "udp": 1,
        "udp-port": 1,
        "force-up-with-single-healthcheck": 0,
        "uuid": "843adf9e-6055-11d9-80d7-001fa00680a0",
        "a10-url": "/axapi/v3/health/monitor/a/method/udp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

```
PUT /axapi/v3/health/monitor/a/method/udp
Payload:
{
    "udp": {
        "udp": 1,
        "udp-port": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

```
DELETE /axapi/v3/health/monitor/a/method/udp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

udp attributes

force-up-with-single-healthcheck

Description Force Up with no response at the first time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description UDP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port

Description Specify UDP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.44 hostname

Objects:

2.44.1 hostname

Set system's network name

hostname Specification

Type	*Configuration Resource*
Element Name	hostname
Element URI	/axapi/v3/hostname
Element Attributes	hostname_attributes
Schema	`hostname schema`

Operations Allowed:

Create Object

POST

/axapi/v3/hostname

hostname attributes

Get Object

GET

/axapi/v3/hostname

hostname attributes

Modify Object

POST

/axapi/v3/hostname

hostname attributes

Replace Object

PUT

/axapi/v3/hostname

hostname attributes

Delete Object

DELETE

/axapi/v3/hostname

hostname attributes

hostname attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description This System's Network Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

2.45 hsm

Objects:

2.45.1 hsm

Hardware Security Module commands

hsm Specification

Type	*Intermediate Resource*
Element Name	hsm
Element URI	/axapi/v3/hsm
Element Attributes	hsm_attributes
Schema	`hsm schema`

Operations Allowed:

Get Object

GET

/axapi/v3/hsm

hsm_attributes

hsm attributes

template-list

Type: List

Refernce Object: */axapi/v3/hsm/template/{template-name}*

template-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually (This is an A10 reserved keyword) (The ENCRYPTED password string)

enroll-timeout

Description Specify Enroll Timeout

Type: number

Range: 10-1024

health-check-interval

Description Specify Thales HSM Health Check Interval

Type: number

Range: 3-60

hsm-dev

Type: List

password

Description Specify HSM Passphrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-string

Description Password (minimum 4 characters)

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 4 characters

protection

Description Specify Protection Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protection-module

Description Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: protection-module protection-ocs and softcard are mutually exclusive

protection-ocs

Description Operator Card Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: protection-ocs protection-module and softcard are mutually exclusive

protection-softcard-hash

Description Hash

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

rfs-ip

Description Specify Thales Remote File System

Type: string

Format: ipv4-address

rfs-port

Description Specify Port

Type: number

Range: 1-65535

sec-world

Description Security World Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

softcard

Description Softcard

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: softcard protection-module and protection-ocs are mutually exclusive

softhsm-enum

Description 'softHSM': software implementation of a cryptographic store; 'thalesHSM': Thales HSM;

Type: string

Supported Values: softHSM, thalesHSM

template-name

Description Specify Template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

worker

Description Specify number of workers for each data CPU

Type: number

Range: 1-31

template-list_hsm-dev

Specification	
Type	*list*
Block object keys	

hsm-ip

Description Specify HSM Device IP Address

Type: string

Format: ipv4-address

hsm-port

Description Specify Port

Type: number

Range: 1-65535

hsm-priority

Description Specify Priority

Type: number

Range: 1-100

2.45.2 hsm rfs-sync

Sync with RFS server

rfs-sync Specification

Type	*Configuration Resource*
Element Name	rfs-sync
Element URI	/axapi/v3/hsm/rfs-sync
Element Attributes	rfs-sync_attributes
Schema	`rfs-sync schema`

Operations Allowed:

Create Object

POST

/axapi/v3/hsm/rfs-sync

rfs-sync attributes

Get Object

GET

/axapi/v3/hsm/rfs-sync

rfs-sync attributes

Modify Object

POST

/axapi/v3/hsm/rfs-sync

rfs-sync attributes

rfs-sync attributes

2.45.3 hsm template

HSM Template

template Specification

Type	*Collection*
Object Key(s)	*template-name*
Collection Name	*template-list*
Collection URI	/axapi/v3/hsm/template
Element Name	template
Element URI	/axapi/v3/hsm/template/{template-name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/hsm/template

template attributes

```
POST /axapi/v3/hsm/template/
Payload:
{
    "template": {
        "softhsm-enum": "thalesHSM",
        "template-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/hsm/template

template attributes

Get Object

GET

/axapi/v3/hsm/template/{template-name}

template attributes

```
GET /axapi/v3/hsm/template/a
Reponse:
{
    "template": {
        "template-name": "a",
        "softhsm-enum": "thalesHSM",
        "protection": 0,
        "password": 0,
        "uuid": "1dadb12a-5bf0-11d9-abbe-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/hsm/template/a"
    }
}
```

Get List

GET

/axapi/v3/hsm/template

template-list

Modify Object

POST

/axapi/v3/hsm/template/{template-name}

template attributes

Replace Object

PUT

/axapi/v3/hsm/template/{template-name}

template attributes

```
PUT /axapi/v3/hsm/template/a
Payload:
{
    "template": {
        "softhsm-enum": "thalesHSM",
        "template-name": "a",
        "hsm-dev": [
            {
                "hsm-ip": "3.3.3.4"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/hsm/template

template-list

Delete Object

DELETE

/axapi/v3/hsm/template/{template-name}

template attributes

```
DELETE /axapi/v3/hsm/template/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

encrypted

Description Do NOT use this option manually (This is an A10 reserved keyword) (The ENCRYPTED password string)

enroll-timeout

Description Specify Enroll Timeout

Type: number

Range: 10-1024

health-check-interval

Description Specify Thales HSM Health Check Interval

Type: number

Range: 3-60

hsm-dev

Type: List

password

Description Specify HSM Passphrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-string

Description Password (minimum 4 characters)

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 4 characters

protection

Description Specify Protection Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protection-module

Description Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: protection-module protection-ocs and softcard are mutually exclusive

protection-ocs

Description Operator Card Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: protection-ocs protection-module and softcard are mutually exclusive

protection-softcard-hash

Description Hash

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

rfs-ip

Description Specify Thales Remote File System

Type: string

Format: ipv4-address

rfs-port

Description Specify Port

Type: number

Range: 1-65535

sec-world

Description Security World Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

softcard

Description Softcard

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: softcard protection-module and protection-ocs are mutually exclusive

softhsm-enum

Description 'softHSM': software implementation of a cryptographic store; 'thalesHSM': Thales HSM;

Type: string

Supported Values: softHSM, thalesHSM

template-name

Description Specify Template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

worker

Description Specify number of workers for each data CPU

Type: number

Range: 1-31

hsm-dev

Specification	
Type	*list*
Block object keys	

hsm-ip

Description Specify HSM Device IP Address

Type: string

Format: ipv4-address

hsm-port

Description Specify Port

Type: number

Range: 1-65535

hsm-priority

Description Specify Priority

Type: number

Range: 1-100

2.46 import-periodic

Objects:

2.46.1 import-periodic

Get files from remote site periodically

import-periodic Specification

Type	*Intermediate Resource*
Element Name	import-periodic
Element URI	/axapi/v3/import-periodic
Element Attributes	import-periodic_attributes
Schema	`import-periodic schema`

Operations Allowed:

Get Object

GET

/axapi/v3/import-periodic

import-periodic_attributes

import-periodic attributes

aflex-list

Type: List

Refernce Object: */axapi/v3/import-periodic/aflex/{aflex}*

auth-jwks-list

Type: List

Refernce Object: */axapi/v3/import-periodic/auth-jwks/{auth-jwks}*

auth-portal-list

Type: List

Refernce Object: */axapi/v3/import-periodic/auth-portal/{auth-portal}*

bw-list-list

Type: List

Refernce Object: */axapi/v3/import-periodic/bw-list/{bw-list}*

ca-cert-list

Type: List

Refernce Object: */axapi/v3/import-periodic/ca-cert/{ca-cert}*

class-list-convert-list

Type: List

Refernce Object: */axapi/v3/import-periodic/class-list-convert/{class-list-convert}*

class-list-list

Type: List

Refernce Object: */axapi/v3/import-periodic/class-list/{class-list}*

dnssec-dnskey-list

Type: List

Refernce Object: */axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}*

dnssec-ds-list

Type: List

Refernce Object: */axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}*

geo-location-list

Type: List

Refernce Object: */axapi/v3/import-periodic/geo-location/{geo-location}*

local-uri-file-list

Type: List

Refernce Object: */axapi/v3/import-periodic/local-uri-file/{local-uri-file}*

policy-list

Type: List

Refernce Object: */axapi/v3/import-periodic/policy/{policy}*

rpz-list

Type: List

Refernce Object: */axapi/v3/import-periodic/rpz/{rpz}*

ssl-cert-key-list

Type: List

Refernce Object: */axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}*

ssl-cert-list

Type: List

Refernce Object: */axapi/v3/import-periodic/ssl-cert/{ssl-cert}*

ssl-crl-list

Type: List

Refernce Object: */axapi/v3/import-periodic/ssl-crl/{ssl-crl}*

ssl-key-list

Type: List

Refernce Object: */axapi/v3/import-periodic/ssl-key/{ssl-key}*

thales-kmdata-list

Type: List

Refernce Object: */axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}*

thales-secworld-list

Type: List

Refernce Object: */axapi/v3/import-periodic/thales-secworld/{thales-secworld}*

wsdl-list

Type: List

Refernce Object: */axapi/v3/import-periodic/wsdl/{wsdl}*

xml-schema-list

Type: List

Refernce Object: */axapi/v3/import-periodic/xml-schema/{xml-schema}*

ssl-key-list

Specification	
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

secured

Description Mark as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-key

Description SSL Key File(enter bulk when import an archive file)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-uri-file-list

Specification	
Type	*list*
Block object keys	

local-uri-file

Description Local URI files for http response

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-list

Specification	
Type	*list*
Block object keys	

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

period

Description Specify the period in second

Type: number

Range: 60-31536000

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

ssl-cert

Description SSL Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dnssec-ds-list

Specification	
Type	*list*
Block object keys	

dnssec-ds

Description DNSSEC DS file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xml-schema-list

Specification	
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xml-schema

Description XML-Schema File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

aflex-list

Specification	
Type	*list*
Block object keys	

aflex

Description aFleX Script Source File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dnssec-dnskey-list

Specification	
Type	*list*
Block object keys	

dnssec-dnskey

Description DNSSEC DNSKEY(KSK) file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list

Specification	
Type	*list*
Block object keys	

geo-location

Description Geo-location CSV File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list

Specification	
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

policy

Description WAF policy File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-list

Specification	
Type	*list*
Block object keys	

class-list

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wsdl-list

Specification	
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wsdl

Description Web Services Definition Language File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

bw-list-list

Specification	
Type	*list*
Block object keys	

bw-list

Description Black white List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-jwks-list

Specification	
Type	*list*
Block object keys	

auth-jwks

Description JSON web key

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

thales-secworld-list

Specification	
Type	*list*
Block object keys	

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

thales-secworld

Description import Thales security world files - in .tgz format that has all files needed by AX

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-crl-list

Specification	
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

ssl-crl

Description SSL Crl File

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz-list

Specification	
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

rpz

Description Response Policy Zone File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-key-list

Specification	
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

secured

Description Mark keys as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-key

Description 'bulk': import an archive file;

Type: string

Supported Values: bulk

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

thales-kmdata-list

Specification	
Type	*list*
Block object keys	

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

thales-kmdata

Description import Thales Kmdata files - in .tgz format that has all files needed by AX

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ca-cert-list

Specification	
Type	*list*
Block object keys	

ca-cert

Description SSL CA Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

period

Description Specify the period in second

Type: number

Range: 60-31536000

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-portal-list

Specification	
Type	*list*
Block object keys	

auth-portal

Description Portal file for http authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-convert-list

Specification	
Type	*list*
Block object keys	

class-list-convert

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list-type

Description 'ac': ac; 'ipv4': ipv4; 'ipv6': ipv6; 'string': string; 'string-case-insensitive': string-case-insensitive;

Type: string

Supported Values: ac, ipv4, ipv6, string, string-case-insensitive

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.2 import-periodic aflex

aFleX Script Source File

aflex Specification

Type	*Collection*
Object Key(s)	*aflex*
Collection Name	*aflex-list*
Collection URI	/axapi/v3/import-periodic/aflex
Element Name	aflex
Element URI	/axapi/v3/import-periodic/aflex/{aflex}
Element Attributes	aflex_attributes
Schema	`aflex schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/aflex

aflex attributes

```
POST /axapi/v3/import-periodic/aflex/
Payload:
{
    "aflex": {
        "aflex": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/aflex

aflex attributes

Get Object

GET

/axapi/v3/import-periodic/aflex/{aflex}

aflex attributes

```
GET /axapi/v3/import-periodic/aflex/a
Reponse:
{
    "aflex": {
        "aflex": "a",
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "291411a0-6062-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/aflex/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/aflex

aflex-list

Modify Object

POST

/axapi/v3/import-periodic/aflex/{aflex}

aflex attributes

Replace Object

PUT

/axapi/v3/import-periodic/aflex/{aflex}

aflex attributes

```
PUT /axapi/v3/import-periodic/aflex/a
Payload:
{
    "aflex": {
        "aflex": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/aflex

aflex-list

Delete Object

DELETE

/axapi/v3/import-periodic/aflex/{aflex}

aflex attributes

```
DELETE /axapi/v3/import-periodic/aflex/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

aflex-list

aflex-list is **JSON List** of *aflex attributes*

aflex-list : [

{ *aflex attributes* },

{ *aflex attributes* },

...

]

aflex attributes

aflex

Description aFleX Script Source File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.3 import-periodic auth-jwks

JSON web key

auth-jwks Specification

Type	*Collection*
Object Key(s)	*auth-jwks*
Collection Name	*auth-jwks-list*
Collection URI	/axapi/v3/import-periodic/auth-jwks
Element Name	auth-jwks
Element URI	/axapi/v3/import-periodic/auth-jwks/{auth-jwks}
Element Attributes	auth-jwks_attributes
Schema	`auth-jwks schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/auth-jwks

auth-jwks attributes

Create List

POST

/axapi/v3/import-periodic/auth-jwks

auth-jwks attributes

Get Object

GET

/axapi/v3/import-periodic/auth-jwks/{auth-jwks}

auth-jwks attributes

Get List

GET

/axapi/v3/import-periodic/auth-jwks

auth-jwks-list

Modify Object

POST

/axapi/v3/import-periodic/auth-jwks/{auth-jwks}

auth-jwks attributes

Replace Object

PUT

/axapi/v3/import-periodic/auth-jwks/{auth-jwks}

auth-jwks attributes

Replace List

PUT

/axapi/v3/import-periodic/auth-jwks

auth-jwks-list

Delete Object

DELETE

/axapi/v3/import-periodic/auth-jwks/{auth-jwks}

auth-jwks attributes

auth-jwks-list

auth-jwks-list is **JSON List** of *auth-jwks attributes*

auth-jwks-list : [

{ *auth-jwks attributes* },

{ *auth-jwks attributes* },

...

]

auth-jwks attributes

auth-jwks

Description JSON web key

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.4 import-periodic auth-portal

Portal file for http authentication

auth-portal Specification

Type	*Collection*
Object Key(s)	*auth-portal*
Collection Name	*auth-portal-list*
Collection URI	/axapi/v3/import-periodic/auth-portal
Element Name	auth-portal
Element URI	/axapi/v3/import-periodic/auth-portal/{auth-portal}
Element Attributes	auth-portal_attributes
Schema	`auth-portal schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/auth-portal

auth-portal attributes

```
POST /axapi/v3/import-periodic/auth-portal/
Payload:
{
    "auth-portal": {
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-auth-portal.zip",
```

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```
        "auth-portal": "a",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/auth-portal

auth-portal attributes

Get Object

GET

/axapi/v3/import-periodic/auth-portal/{auth-portal}

auth-portal attributes

```
GET /axapi/v3/import-periodic/auth-portal/a
Reponse:
{
    "auth-portal": {
        "auth-portal": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-auth-portal.zip",
        "period": 60,
        "uuid": "db1138ee-6060-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/auth-portal/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/auth-portal

auth-portal-list

Modify Object

POST

/axapi/v3/import-periodic/auth-portal/{auth-portal}

auth-portal attributes

Replace Object

PUT

/axapi/v3/import-periodic/auth-portal/{auth-portal}

auth-portal attributes

```
PUT /axapi/v3/import-periodic/auth-portal/a
Payload:
{
    "auth-portal": {
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-auth-portal.zip",
        "auth-portal": "a",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/auth-portal

auth-portal-list

Delete Object

DELETE

/axapi/v3/import-periodic/auth-portal/{auth-portal}

auth-portal attributes

```
DELETE /axapi/v3/import-periodic/auth-portal/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

auth-portal-list

auth-portal-list is **JSON List** of *auth-portal attributes*

auth-portal-list : [

{ *auth-portal attributes* },

{ *auth-portal attributes* },

...

]

auth-portal attributes

auth-portal

Description Portal file for http authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.5 import-periodic bw-list

Black white list files

bw-list Specification

Type	*Collection*
Object Key(s)	*bw-list*
Collection Name	*bw-list-list*
Collection URI	/axapi/v3/import-periodic/bw-list
Element Name	bw-list
Element URI	/axapi/v3/import-periodic/bw-list/{bw-list}
Element Attributes	bw-list_attributes
Schema	`bw-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/bw-list

bw-list attributes

```
POST /axapi/v3/import-periodic/bw-list/
Payload:
{
    "bw-list": {
        "bw-list": "a",
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-bw-list.txt",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/bw-list

bw-list attributes

Get Object

GET

/axapi/v3/import-periodic/bw-list/{bw-list}

bw-list attributes

```
GET /axapi/v3/import-periodic/bw-list/a
Reponse:
{
    "bw-list": {
        "bw-list": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-bw-list.txt",
        "period": 60,
        "uuid": "efcd7752-6060-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/bw-list/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/bw-list

bw-list-list

Modify Object

POST

/axapi/v3/import-periodic/bw-list/{bw-list}

bw-list attributes

Replace Object

PUT

/axapi/v3/import-periodic/bw-list/{bw-list}

bw-list attributes

```
PUT /axapi/v3/import-periodic/bw-list/a
Payload:
{
    "bw-list": {
        "bw-list": "a",
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-bw-list.txt",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/bw-list

bw-list-list

Delete Object

DELETE

/axapi/v3/import-periodic/bw-list/{bw-list}

bw-list attributes

```
DELETE /axapi/v3/import-periodic/bw-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bw-list-list

bw-list-list is **JSON List** of *bw-list attributes*

bw-list-list : [

{ *bw-list attributes* },

{ *bw-list attributes* },

...

]

bw-list attributes

bw-list

Description Black white List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.6 import-periodic ca-cert

SSL CA Cert File(enter bulk when import an archive file)

ca-cert Specification

Type	*Collection*
Object Key(s)	*ca-cert*
Collection Name	*ca-cert-list*
Collection URI	/axapi/v3/import-periodic/ca-cert
Element Name	ca-cert
Element URI	/axapi/v3/import-periodic/ca-cert/{ca-cert}
Element Attributes	ca-cert_attributes
Schema	`ca-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ca-cert

ca-cert attributes

Create List

POST

/axapi/v3/import-periodic/ca-cert

ca-cert attributes

Get Object

GET

/axapi/v3/import-periodic/ca-cert/{ca-cert}

ca-cert attributes

Get List

GET

/axapi/v3/import-periodic/ca-cert

ca-cert-list

Modify Object

POST

/axapi/v3/import-periodic/ca-cert/{ca-cert}

ca-cert attributes

Replace Object

PUT

/axapi/v3/import-periodic/ca-cert/{ca-cert}

ca-cert attributes

Replace List

PUT

/axapi/v3/import-periodic/ca-cert

ca-cert-list

Delete Object

DELETE

/axapi/v3/import-periodic/ca-cert/{ca-cert}

ca-cert attributes

ca-cert-list

ca-cert-list is **JSON List** of *ca-cert attributes*

ca-cert-list : [

{ *ca-cert attributes* },

{ *ca-cert attributes* },

...

]

ca-cert attributes

ca-cert

Description SSL CA Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

period

Description Specify the period in second

Type: number

Range: 60-31536000

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.7 import-periodic class-list

Class list files

class-list Specification

Type	*Collection*
Object Key(s)	*class-list*
Collection Name	*class-list-list*
Collection URI	/axapi/v3/import-periodic/class-list
Element Name	class-list
Element URI	/axapi/v3/import-periodic/class-list/{class-list}
Element Attributes	class-list_attributes
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/class-list

class-list attributes

```
POST /axapi/v3/import-periodic/class-list/
Payload:
{
    "class-list": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-class-list.txt",
        "class-list": "c-a",
        "user-tag": "a",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/class-list

class-list attributes

Get Object

GET

/axapi/v3/import-periodic/class-list/{class-list}

class-list attributes

```
GET /axapi/v3/import-periodic/class-list/c-a
Reponse:
{
    "class-list": {
        "class-list": "c-a",
        "user-tag": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-class-list.txt",
        "period": 60,
        "uuid": "04a0df48-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/class-list/c-a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/class-list

class-list-list

Modify Object

POST

/axapi/v3/import-periodic/class-list/{class-list}

class-list attributes

Replace Object

PUT

/axapi/v3/import-periodic/class-list/{class-list}

class-list attributes

```
PUT /axapi/v3/import-periodic/class-list/c-a
Payload:
{
    "class-list": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-class-list.txt",
        "class-list": "c-a",
        "user-tag": "abcd",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/class-list

class-list-list

Delete Object

DELETE

/axapi/v3/import-periodic/class-list/{class-list}

class-list attributes

```
DELETE /axapi/v3/import-periodic/class-list/c-a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

class-list-list

class-list-list is **JSON List** of *class-list attributes*

class-list-list : [

{ *class-list attributes* },

{ *class-list attributes* },

...

]

class-list attributes

class-list

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.8 import-periodic class-list-convert

Convert Class List File to A10 format

class-list-convert Specification

Type	*Collection*
Object Key(s)	*class-list-convert*
Collection Name	*class-list-convert-list*
Collection URI	/axapi/v3/import-periodic/class-list-convert
Element Name	class-list-convert
Element URI	/axapi/v3/import-periodic/class-list-convert/{class-list-convert}
Element Attributes	class-list-convert_attributes
Schema	`class-list-convert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/class-list-convert

class-list-convert attributes

Create List

POST

/axapi/v3/import-periodic/class-list-convert

class-list-convert attributes

Get Object

GET

/axapi/v3/import-periodic/class-list-convert/{class-list-convert}

class-list-convert attributes

Get List

GET

/axapi/v3/import-periodic/class-list-convert

class-list-convert-list

Modify Object

POST

/axapi/v3/import-periodic/class-list-convert/{class-list-convert}

class-list-convert attributes

Replace Object

PUT

/axapi/v3/import-periodic/class-list-convert/{class-list-convert}

class-list-convert attributes

Replace List

PUT

/axapi/v3/import-periodic/class-list-convert

class-list-convert-list

Delete Object

DELETE

/axapi/v3/import-periodic/class-list-convert/{class-list-convert}

class-list-convert attributes

class-list-convert-list

class-list-convert-list is **JSON List** of *class-list-convert attributes*

class-list-convert-list : [

{ *class-list-convert attributes* },

{ *class-list-convert attributes* },

...

]

class-list-convert attributes

class-list-convert

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list-type

Description 'ac': ac; 'ipv4': ipv4; 'ipv6': ipv6; 'string': string; 'string-case-insensitive': string-case-insensitive;

Type: string

Supported Values: ac, ipv4, ipv6, string, string-case-insensitive

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.9 import-periodic dnssec-dnskey

DNSSEC DNSKEY(KSK) file for child zone

dnssec-dnskey Specification

Type	*Collection*
Object Key(s)	*dnssec-dnskey*
Collection Name	*dnssec-dnskey-list*
Collection URI	/axapi/v3/import-periodic/dnssec-dnskey
Element Name	dnssec-dnskey
Element URI	/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}
Element Attributes	dnssec-dnskey_attributes
Schema	`dnssec-dnskey schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/dnssec-dnskey

dnssec-dnskey attributes

```
POST /axapi/v3/import-periodic/dnssec-dnskey/
Payload:
{
    "dnssec-dnskey": {
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-dnssec.key",
```

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```
        "dnssec-dnskey": "sub.example.com",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/dnssec-dnskey

dnssec-dnskey attributes

Get Object

GET

/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}

dnssec-dnskey attributes

```
GET /axapi/v3/import-periodic/dnssec-dnskey/sub.example.com
Reponse:
{
    "dnssec-dnskey": {
        "dnssec-dnskey": "sub.example.com",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-dnssec.key",
        "period": 60,
        "uuid": "1cb5f58c-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/dnssec-dnskey/sub.example.com"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/dnssec-dnskey

dnssec-dnskey-list

Modify Object

POST

/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}

dnssec-dnskey attributes

Replace Object

PUT

/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}

dnssec-dnskey attributes

```
PUT /axapi/v3/import-periodic/dnssec-dnskey/sub.example.com
Payload:
{
    "dnssec-dnskey": {
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-dnssec.key",
        "dnssec-dnskey": "sub.example.com",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/dnssec-dnskey

dnssec-dnskey-list

Delete Object

DELETE

/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}

dnssec-dnskey attributes

```
DELETE /axapi/v3/import-periodic/dnssec-dnskey/sub.example.com
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dnssec-dnskey-list

dnssec-dnskey-list is **JSON List** of *dnssec-dnskey attributes*

dnssec-dnskey-list : [

{ *dnssec-dnskey attributes* },

{ *dnssec-dnskey attributes* },

...

]

dnssec-dnskey attributes

dnssec-dnskey

Description DNSSEC DNSKEY(KSK) file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.10 import-periodic dnssec-ds

DNSSEC DS file for child zone

dnssec-ds Specification

Type	*Collection*
Object Key(s)	*dnssec-ds*
Collection Name	*dnssec-ds-list*
Collection URI	/axapi/v3/import-periodic/dnssec-ds
Element Name	dnssec-ds
Element URI	/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}
Element Attributes	dnssec-ds_attributes
Schema	`dnssec-ds schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/dnssec-ds

dnssec-ds attributes

```
POST /axapi/v3/import-periodic/dnssec-ds/
Payload:
{
    "dnssec-ds": {
        "dnssec-ds": "sub.example.com",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-ds.txt",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/dnssec-ds

dnssec-ds attributes

Get Object

GET

/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}

dnssec-ds attributes

```
GET /axapi/v3/import-periodic/dnssec-ds/sub.example.com
Reponse:
{
    "dnssec-ds": {
        "dnssec-ds": "sub.example.com",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-ds.txt",
        "period": 60,
        "uuid": "34d5f5fe-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/dnssec-ds/sub.example.com"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/dnssec-ds

dnssec-ds-list

Modify Object

POST

/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}

dnssec-ds attributes

Replace Object

PUT

/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}

dnssec-ds attributes

```
PUT /axapi/v3/import-periodic/dnssec-ds/sub.example.com
Payload:
{
    "dnssec-ds": {
        "dnssec-ds": "sub.example.com",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-ds.txt",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/dnssec-ds

dnssec-ds-list

Delete Object

DELETE

/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}

dnssec-ds attributes

```
DELETE /axapi/v3/import-periodic/dnssec-ds/sub.example.com
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dnssec-ds-list

dnssec-ds-list is **JSON List** of *dnssec-ds attributes*

dnssec-ds-list : [

{ *dnssec-ds attributes* },

{ *dnssec-ds attributes* },

...

]

dnssec-ds attributes

dnssec-ds

Description DNSSEC DS file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.11 import-periodic file-inspection-bw-list

File Inspection Black white list files

file-inspection-bw-list Specification

Type	*Collection*
Object Key(s)	*file-inspection-bw-list*
Collection Name	*file-inspection-bw-list-list*
Collection URI	/axapi/v3/import-periodic/file-inspection-bw-list
Element Name	file-inspection-bw-list
Element URI	/axapi/v3/import-periodic/file-inspection-bw-list/{file-inspection-bw-list}
Element Attributes	file-inspection-bw-list_attributes
Schema	`file-inspection-bw-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/file-inspection-bw-list

file-inspection-bw-list attributes

Create List

POST

/axapi/v3/import-periodic/file-inspection-bw-list

file-inspection-bw-list attributes

Get Object

GET

/axapi/v3/import-periodic/file-inspection-bw-list/{file-inspection-bw-list}

file-inspection-bw-list attributes

Get List

GET

/axapi/v3/import-periodic/file-inspection-bw-list

file-inspection-bw-list-list

Modify Object

POST

/axapi/v3/import-periodic/file-inspection-bw-list/{file-inspection-bw-list}

file-inspection-bw-list attributes

Replace Object

PUT

/axapi/v3/import-periodic/file-inspection-bw-list/{file-inspection-bw-list}

file-inspection-bw-list attributes

Replace List

PUT

/axapi/v3/import-periodic/file-inspection-bw-list

file-inspection-bw-list-list

Delete Object

DELETE

/axapi/v3/import-periodic/file-inspection-bw-list/{file-inspection-bw-list}

file-inspection-bw-list attributes

file-inspection-bw-list-list

file-inspection-bw-list-list is **JSON List** of *file-inspection-bw-list attributes*

file-inspection-bw-list-list : [

{ *file-inspection-bw-list attributes* },

{ *file-inspection-bw-list attributes* },

...

]

file-inspection-bw-list attributes

file-inspection-bw-list

Description Black white List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.12 import-periodic geo-location

Geo-location CSV File

geo-location Specification

Type	*Collection*
Object Key(s)	*geo-location*
Collection Name	*geo-location-list*
Collection URI	/axapi/v3/import-periodic/geo-location
Element Name	geo-location
Element URI	/axapi/v3/import-periodic/geo-location/{geo-location}
Element Attributes	geo-location_attributes
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/geo-location

geo-location attributes

```
POST /axapi/v3/import-periodic/geo-location/
Payload:
{
    "geo-location": {
        "geo-location": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-geo-location.csv"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/import-periodic/geo-location/{geo-location}

geo-location attributes

```
GET /axapi/v3/import-periodic/geo-location/a
Reponse:
{
    "geo-location": {
        "geo-location": "a",
        "use-mgmt-port": 0,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-geo-location.csv",
        "period": 60,
        "uuid": "4cc8a09e-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/geo-location/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/geo-location

geo-location-list

Modify Object

POST

/axapi/v3/import-periodic/geo-location/{geo-location}

geo-location attributes

Replace Object

PUT

/axapi/v3/import-periodic/geo-location/{geo-location}

geo-location attributes

```
PUT /axapi/v3/import-periodic/geo-location/a
Payload:
{
    "geo-location": {
        "geo-location": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-geo-location.csv"
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/geo-location

geo-location-list

Delete Object

DELETE

/axapi/v3/import-periodic/geo-location/{geo-location}

geo-location attributes

```
DELETE /axapi/v3/import-periodic/geo-location/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

geo-location-list

geo-location-list is **JSON List** of *geo-location attributes*

geo-location-list : [

{ *geo-location attributes* },

{ *geo-location attributes* },

...

]

geo-location attributes

geo-location

Description Geo-location CSV File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.13 import-periodic local-uri-file

Local URI files for http response

local-uri-file Specification

Type	*Collection*
Object Key(s)	*local-uri-file*
Collection Name	*local-uri-file-list*
Collection URI	/axapi/v3/import-periodic/local-uri-file
Element Name	local-uri-file
Element URI	/axapi/v3/import-periodic/local-uri-file/{local-uri-file}
Element Attributes	local-uri-file_attributes
Schema	`local-uri-file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/local-uri-file

local-uri-file attributes

```
POST /axapi/v3/import-periodic/local-uri-file/
Payload:
{
    "local-uri-file": {
        "local-uri-file": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-local-uri-file.txt",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/local-uri-file

local-uri-file attributes

Get Object

GET

/axapi/v3/import-periodic/local-uri-file/{local-uri-file}

local-uri-file attributes

```
GET /axapi/v3/import-periodic/local-uri-file/a
Reponse:
{
    "local-uri-file": {
        "local-uri-file": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-local-uri-file.txt",
        "period": 60,
        "uuid": "62bdced8-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/local-uri-file/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/local-uri-file

local-uri-file-list

Modify Object

POST

/axapi/v3/import-periodic/local-uri-file/{local-uri-file}

local-uri-file attributes

Replace Object

PUT

/axapi/v3/import-periodic/local-uri-file/{local-uri-file}

local-uri-file attributes

```
PUT /axapi/v3/import-periodic/local-uri-file/a
Payload:
{
    "local-uri-file": {
        "local-uri-file": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-local-uri-file.txt",
```

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```
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/local-uri-file

local-uri-file-list

Delete Object

DELETE

/axapi/v3/import-periodic/local-uri-file/{local-uri-file}

local-uri-file attributes

```
DELETE /axapi/v3/import-periodic/local-uri-file/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

local-uri-file-list

local-uri-file-list is **JSON List** of *local-uri-file attributes*

local-uri-file-list : [

{ *local-uri-file attributes* },

{ *local-uri-file attributes* },

...

]

local-uri-file attributes

local-uri-file

Description Local URI files for http response

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.14 import-periodic policy

WAF policy File

policy Specification

Type	*Collection*
Object Key(s)	*policy*
Collection Name	*policy-list*
Collection URI	/axapi/v3/import-periodic/policy
Element Name	policy
Element URI	/axapi/v3/import-periodic/policy/{policy}
Element Attributes	policy_attributes
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/policy

policy attributes

```
POST /axapi/v3/import-periodic/policy/
Payload:
{
    "policy": {
```

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```
        "policy": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-waf-policy.txt",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/policy

policy attributes

Get Object

GET

/axapi/v3/import-periodic/policy/{policy}

policy attributes

```
GET /axapi/v3/import-periodic/policy/a
Reponse:
{
    "policy": {
        "policy": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-waf-policy.txt",
        "period": 60,
        "uuid": "77cf6a3e-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/policy/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/policy

policy-list

Modify Object

POST

/axapi/v3/import-periodic/policy/{policy}

policy attributes

Replace Object

PUT

/axapi/v3/import-periodic/policy/{policy}

policy attributes

```
PUT /axapi/v3/import-periodic/policy/a
Payload:
{
    "policy": {
        "policy": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-waf-policy.txt",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/policy

policy-list

Delete Object

DELETE

/axapi/v3/import-periodic/policy/{policy}

policy attributes

```
DELETE /axapi/v3/import-periodic/policy/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

policy

Description WAF policy File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.15 import-periodic rpz

Response Policy Zone File

rpz Specification

Type	*Collection*
Object Key(s)	*rpz*
Collection Name	*rpz-list*
Collection URI	/axapi/v3/import-periodic/rpz
Element Name	rpz
Element URI	/axapi/v3/import-periodic/rpz/{rpz}
Element Attributes	rpz_attributes
Schema	`rpz schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/rpz

rpz attributes

Create List

POST

/axapi/v3/import-periodic/rpz

rpz attributes

Get Object

GET

/axapi/v3/import-periodic/rpz/{rpz}

rpz attributes

Get List

GET

/axapi/v3/import-periodic/rpz

rpz-list

Modify Object

POST

/axapi/v3/import-periodic/rpz/{rpz}

rpz attributes

Replace Object

PUT

/axapi/v3/import-periodic/rpz/{rpz}

rpz attributes

Replace List

PUT

/axapi/v3/import-periodic/rpz

rpz-list

Delete Object

DELETE

/axapi/v3/import-periodic/rpz/{rpz}

rpz attributes

rpz-list

rpz-list is **JSON List** of *rpz attributes*

rpz-list : [

{ *rpz attributes* },

{ *rpz attributes* },

...

]

rpz attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

rpz

Description Response Policy Zone File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.16 import-periodic ssl-cert

SSL Cert File(enter bulk when import an archive file)

ssl-cert Specification

Type	*Collection*
Object Key(s)	*ssl-cert*
Collection Name	*ssl-cert-list*
Collection URI	/axapi/v3/import-periodic/ssl-cert
Element Name	ssl-cert
Element URI	/axapi/v3/import-periodic/ssl-cert/{ssl-cert}
Element Attributes	ssl-cert_attributes
Schema	`ssl-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ssl-cert

ssl-cert attributes

```
POST /axapi/v3/import-periodic/ssl-cert/
Payload:
{
    "ssl-cert": {
        "ssl-cert": "a",
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "certificate-type": "pem",
        "pfx-password": "a"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ssl-cert

ssl-cert attributes

Get Object

GET

/axapi/v3/import-periodic/ssl-cert/{ssl-cert}

ssl-cert attributes

```
GET /axapi/v3/import-periodic/ssl-cert/a
Reponse:
```

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```
{
    "ssl-cert": {
        "ssl-cert": "a",
        "certificate-type": "pem",
        "pfx-password": "a",
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "9ce7dcf2-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/ssl-cert/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ssl-cert

ssl-cert-list

Modify Object

POST

/axapi/v3/import-periodic/ssl-cert/{ssl-cert}

ssl-cert attributes

Replace Object

PUT

/axapi/v3/import-periodic/ssl-cert/{ssl-cert}

ssl-cert attributes

```
PUT /axapi/v3/import-periodic/ssl-cert/a
Payload:
{
    "ssl-cert": {
        "ssl-cert": "a",
        "remote-file": "http://example.com/axapi/v3health/externalfile_url/stats4",
        "period": 60,
        "certificate-type": "der",
        "pfx-password": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/ssl-cert

ssl-cert-list

Delete Object

DELETE

/axapi/v3/import-periodic/ssl-cert/{ssl-cert}

ssl-cert attributes

```
DELETE /axapi/v3/import-periodic/ssl-cert/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ssl-cert-list

ssl-cert-list is **JSON List** of *ssl-cert attributes*

ssl-cert-list : [

{ *ssl-cert attributes* },

{ *ssl-cert attributes* },

...

]

ssl-cert attributes

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

period

Description Specify the period in second

Type: number

Range: 60-31536000

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

ssl-cert

Description SSL Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.17 import-periodic ssl-cert-key

Bulk file

ssl-cert-key Specification

Type	*Collection*
Object Key(s)	*ssl-cert-key*
Collection Name	*ssl-cert-key-list*
Collection URI	/axapi/v3/import-periodic/ssl-cert-key
Element Name	ssl-cert-key
Element URI	/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}
Element Attributes	ssl-cert-key_attributes
Schema	`ssl-cert-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ssl-cert-key

ssl-cert-key attributes

```
POST /axapi/v3/import-periodic/ssl-cert-key/
Payload:
{
```

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```
    "ssl-cert-key": {
        "ssl-cert-key": "bulk",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-cert-key.tar.gz",
        "secured": 1,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ssl-cert-key

ssl-cert-key attributes

Get Object

GET

/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}

ssl-cert-key attributes

```
GET /axapi/v3/import-periodic/ssl-cert-key/bulk
Reponse:
{
    "ssl-cert-key": {
        "ssl-cert-key": "bulk",
        "secured": 1,
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-cert-key.tar.gz",
        "period": 60,
        "uuid": "c22905d6-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/ssl-cert-key/bulk"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ssl-cert-key

ssl-cert-key-list

Modify Object

POST

/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}

ssl-cert-key attributes

Replace Object

PUT

/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}

ssl-cert-key attributes

```
PUT /axapi/v3/import-periodic/ssl-cert-key/bulk
Payload:
{
    "ssl-cert-key": {
        "ssl-cert-key": "bulk",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-cert-key.tar.gz",
        "secured": 0,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/ssl-cert-key

ssl-cert-key-list

Delete Object

DELETE

/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}

ssl-cert-key attributes

```
DELETE /axapi/v3/import-periodic/ssl-cert-key/bulk
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ssl-cert-key-list

ssl-cert-key-list is **JSON List** of *ssl-cert-key attributes*

ssl-cert-key-list : [

{ *ssl-cert-key attributes* },

{ *ssl-cert-key attributes* },

...

]

ssl-cert-key attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

secured

Description Mark keys as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-key

Description 'bulk': import an archive file;

Type: string

Supported Values: bulk

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.18 import-periodic ssl-crl

SSL Crl File

ssl-crl Specification

Type	*Collection*
Object Key(s)	*ssl-crl*
Collection Name	*ssl-crl-list*
Collection URI	/axapi/v3/import-periodic/ssl-crl
Element Name	ssl-crl
Element URI	/axapi/v3/import-periodic/ssl-crl/{ssl-crl}
Element Attributes	ssl-crl_attributes
Schema	`ssl-crl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ssl-crl

ssl-crl attributes

```
POST /axapi/v3/import-periodic/ssl-crl/
Payload:
{
    "ssl-crl": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.crl",
        "ssl-crl": "a",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ssl-crl

ssl-crl attributes

Get Object

GET

/axapi/v3/import-periodic/ssl-crl/{ssl-crl}

ssl-crl attributes

```
GET /axapi/v3/import-periodic/ssl-crl/a
Reponse:
{
    "ssl-crl": {
        "ssl-crl": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.crl",
```

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```
        "period": 60,
        "uuid": "d7857e14-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/ssl-crl/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ssl-crl

ssl-crl-list

Modify Object

POST

/axapi/v3/import-periodic/ssl-crl/{ssl-crl}

ssl-crl attributes

Replace Object

PUT

/axapi/v3/import-periodic/ssl-crl/{ssl-crl}

ssl-crl attributes

```
PUT /axapi/v3/import-periodic/ssl-crl/a
Payload:
{
    "ssl-crl": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.crl",
        "ssl-crl": "a",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/ssl-crl

ssl-crl-list

Delete Object

DELETE

/axapi/v3/import-periodic/ssl-crl/{ssl-crl}

ssl-crl attributes

```
DELETE /axapi/v3/import-periodic/ssl-crl/a
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

ssl-crl-list

ssl-crl-list is **JSON List** of *ssl-crl attributes*

ssl-crl-list : [

{ *ssl-crl attributes* },

{ *ssl-crl attributes* },

...

]

ssl-crl attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

ssl-crl

Description SSL Crl File

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.19 import-periodic ssl-key

SSL Key File(enter bulk when import an archive file)

ssl-key Specification

Type	*Collection*
Object Key(s)	*ssl-key*
Collection Name	*ssl-key-list*
Collection URI	/axapi/v3/import-periodic/ssl-key
Element Name	ssl-key
Element URI	/axapi/v3/import-periodic/ssl-key/{ssl-key}
Element Attributes	ssl-key_attributes
Schema	`ssl-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ssl-key

ssl-key attributes

```
POST /axapi/v3/import-periodic/ssl-key/
Payload:
{
    "ssl-key": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.key",
        "ssl-key": "a",
        "secured": 1,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ssl-key

ssl-key attributes

Get Object

GET

/axapi/v3/import-periodic/ssl-key/{ssl-key}

ssl-key attributes

```
GET /axapi/v3/import-periodic/ssl-key/a
Reponse:
{
    "ssl-key": {
        "ssl-key": "a",
        "secured": 1,
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.key",
        "period": 60,
        "uuid": "ecb24c54-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/ssl-key/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ssl-key

ssl-key-list

Modify Object

POST

/axapi/v3/import-periodic/ssl-key/{ssl-key}

ssl-key attributes

Replace Object

PUT

/axapi/v3/import-periodic/ssl-key/{ssl-key}

ssl-key attributes

```
PUT /axapi/v3/import-periodic/ssl-key/a
Payload:
{
    "ssl-key": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.key",
        "ssl-key": "a",
        "secured": 0,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/ssl-key

ssl-key-list

Delete Object

DELETE

/axapi/v3/import-periodic/ssl-key/{ssl-key}

ssl-key attributes

```
DELETE /axapi/v3/import-periodic/ssl-key/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ssl-key-list

ssl-key-list is **JSON List** of *ssl-key attributes*

ssl-key-list : [

{ *ssl-key attributes* },

{ *ssl-key attributes* },

...

]

ssl-key attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

secured

Description Mark as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-key

Description SSL Key File(enter bulk when import an archive file)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.20 import-periodic thales-kmdata

import Thales Kmdata files

thales-kmdata Specification

Type	*Collection*
Object Key(s)	*thales-kmdata*
Collection Name	*thales-kmdata-list*
Collection URI	/axapi/v3/import-periodic/thales-kmdata
Element Name	thales-kmdata
Element URI	/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}
Element Attributes	thales-kmdata_attributes
Schema	`thales-kmdata schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/thales-kmdata

thales-kmdata attributes

Create List

POST

/axapi/v3/import-periodic/thales-kmdata

thales-kmdata attributes

Get Object

GET

/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}

thales-kmdata attributes

Get List

GET

/axapi/v3/import-periodic/thales-kmdata

thales-kmdata-list

Modify Object

POST

/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}

thales-kmdata attributes

Replace Object

PUT

/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}

thales-kmdata attributes

Replace List

PUT

/axapi/v3/import-periodic/thales-kmdata

thales-kmdata-list

Delete Object

DELETE

/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}

thales-kmdata attributes

thales-kmdata-list

thales-kmdata-list is **JSON List** of *thales-kmdata attributes*

thales-kmdata-list : [

{ *thales-kmdata attributes* },

{ *thales-kmdata attributes* },

...

]

thales-kmdata attributes

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

thales-kmdata

Description import Thales Kmdata files - in .tgz format that has all files needed by AX

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.21 import-periodic thales-secworld

import Thales security world files

thales-secworld Specification

Type	*Collection*
Object Key(s)	*thales-secworld*
Collection Name	*thales-secworld-list*
Collection URI	/axapi/v3/import-periodic/thales-secworld
Element Name	thales-secworld
Element URI	/axapi/v3/import-periodic/thales-secworld/{thales-secworld}
Element Attributes	thales-secworld_attributes
Schema	`thales-secworld schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/thales-secworld

thales-secworld attributes

Create List

POST

/axapi/v3/import-periodic/thales-secworld

thales-secworld attributes

Get Object

GET

/axapi/v3/import-periodic/thales-secworld/{thales-secworld}

thales-secworld attributes

Get List

GET

/axapi/v3/import-periodic/thales-secworld

thales-secworld-list

Modify Object

POST

/axapi/v3/import-periodic/thales-secworld/{thales-secworld}

thales-secworld attributes

Replace Object

PUT

/axapi/v3/import-periodic/thales-secworld/{thales-secworld}

thales-secworld attributes

Replace List

PUT

/axapi/v3/import-periodic/thales-secworld

thales-secworld-list

Delete Object

DELETE

/axapi/v3/import-periodic/thales-secworld/{thales-secworld}

thales-secworld attributes

thales-secworld-list

thales-secworld-list is **JSON List** of *thales-secworld attributes*

thales-secworld-list : [

{ *thales-secworld attributes* },

{ *thales-secworld attributes* },

...

]

thales-secworld attributes

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

thales-secworld

Description import Thales security world files - in .tgz format that has all files needed by AX

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.46.22 import-periodic wsdl

Web Services Definition Language File

wsdl Specification

Type	*Collection*
Object Key(s)	*wsdl*
Collection Name	*wsdl-list*
Collection URI	/axapi/v3/import-periodic/wsdl
Element Name	wsdl
Element URI	/axapi/v3/import-periodic/wsdl/{wsdl}
Element Attributes	wsdl_attributes
Schema	`wsdl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/wsdl

wsdl attributes

```
POST /axapi/v3/import-periodic/wsdl/
Payload:
{
    "wsdl": {
        "wsdl": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.wsdl",
        "use-mgmt-port": 1
```

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```
    }
}
```

Create List

POST

/axapi/v3/import-periodic/wsdl

wsdl attributes

Get Object

GET

/axapi/v3/import-periodic/wsdl/{wsdl}

wsdl attributes

```
GET /axapi/v3/import-periodic/wsdl/a
Reponse:
{
    "wsdl": {
        "wsdl": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.wsdl",
        "period": 60,
        "uuid": "fff4387c-6061-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/wsdl/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/wsdl

wsdl-list

Modify Object

POST

/axapi/v3/import-periodic/wsdl/{wsdl}

wsdl attributes

Replace Object

PUT

/axapi/v3/import-periodic/wsdl/{wsdl}

wsdl attributes

```
PUT /axapi/v3/import-periodic/wsdl/a
Payload:
{
    "wsdl": {
```

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```
        "wsdl": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample.wsdl",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/wsdl

wsdl-list

Delete Object

DELETE

/axapi/v3/import-periodic/wsdl/{wsdl}

wsdl attributes

```
DELETE /axapi/v3/import-periodic/wsdl/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

wsdl-list

wsdl-list is **JSON List** of *wsdl attributes*

wsdl-list : [

{ *wsdl attributes* },

{ *wsdl attributes* },

...

]

wsdl attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wsdl

Description Web Services Definition Language File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.46.23 import-periodic xml-schema

XML-Schema File

xml-schema Specification

Type	*Collection*
Object Key(s)	*xml-schema*
Collection Name	*xml-schema-list*
Collection URI	/axapi/v3/import-periodic/xml-schema
Element Name	xml-schema
Element URI	/axapi/v3/import-periodic/xml-schema/{xml-schema}
Element Attributes	xml-schema_attributes
Schema	`xml-schema schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/xml-schema

xml-schema attributes

```
POST /axapi/v3/import-periodic/xml-schema/
Payload:
{
    "xml-schema": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-xml-schema.xml",
        "xml-schema": "a",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/xml-schema

xml-schema attributes

Get Object

GET

/axapi/v3/import-periodic/xml-schema/{xml-schema}

xml-schema attributes

```
GET /axapi/v3/import-periodic/xml-schema/a
Reponse:
{
    "xml-schema": {
        "xml-schema": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-xml-schema.xml",
        "period": 60,
        "uuid": "148cf166-6062-11d9-b4a6-001fa00680a0",
        "a10-url": "/axapi/v3/import-periodic/xml-schema/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/xml-schema

xml-schema-list

Modify Object

POST

/axapi/v3/import-periodic/xml-schema/{xml-schema}

xml-schema attributes

Replace Object

PUT

/axapi/v3/import-periodic/xml-schema/{xml-schema}

xml-schema attributes

```
PUT /axapi/v3/import-periodic/xml-schema/a
Payload:
{
    "xml-schema": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/
↪Sdk_Test/sample-xml-schema.xml",
        "xml-schema": "a",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/xml-schema

xml-schema-list

Delete Object

DELETE

/axapi/v3/import-periodic/xml-schema/{xml-schema}

xml-schema attributes

```
DELETE /axapi/v3/import-periodic/xml-schema/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

xml-schema-list

xml-schema-list is **JSON List** of *xml-schema attributes*

xml-schema-list : [

{ *xml-schema attributes* },

{ *xml-schema attributes* },

...

]

xml-schema attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xml-schema

Description XML-Schema File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.47 interface

Objects:

2.47.1 interface

Select an interface to configure

interface Specification

Type	*Intermediate Resource*
Element Name	interface
Element URI	/axapi/v3/interface
Element Attributes	interface_attributes
Schema	`interface schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface

interface_attributes

interface attributes

available-eth-list

Description: available-eth-list is a **JSON Block**. Please see below for *available-eth-list*

Type: Object

Refernce Object: */axapi/v3/interface/available-eth-list*

brief

Description: brief is a **JSON Block**. Please see below for *brief*

Type: Object

Refernce Object: */axapi/v3/interface/brief*

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Refernce Object: */axapi/v3/interface/common*

ethernet-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}*

lif-list

Type: List

Refernce Object: */axapi/v3/interface/lif/{ifname}*

loopback-list

Type: List

Refernce Object: */axapi/v3/interface/loopback/{ifnum}*

management

Description: management is a **JSON Block**. Please see below for *management*

Type: Object

Refernce Object: */axapi/v3/interface/management*

packet-size-bucket

Description: packet-size-bucket is a **JSON Block**. Please see below for *packet-size-bucket*

Type: Object

Refernce Object: */axapi/v3/interface/packet-size-bucket*

switch-drop-reason

Description: switch-drop-reason is a **JSON Block**. Please see below for *switch-drop-reason*

Type: Object

Refernce Object: */axapi/v3/interface/switch-drop-reason*

trunk-list

Type: List

Refernce Object: */axapi/v3/interface/trunk/{ifnum}*

tunnel-list

Type: List

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}*

ve-list

Type: List

Refernce Object: */axapi/v3/interface/ve/{ifnum}*

tunnel-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

ifnum

Description Tunnel interface number

Type: number

Range: 1-128

ip

Description: ip is a **JSON Block**. Please see below for *tunnel-list_ip*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *tunnel-list_ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6*

load-interval

Description Configure Load Interval (Seconds (5-300, Multiple of 5), default 300)

Type: number

Range: 5-300

Default: 300

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

speed

Description Speed in Gbit/Sec (Default 10 Gbps)

Type: number

Range: 1-200

Default: 10

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ip

Specification	
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *tunnel-list_ip_address*

Type: Object

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query-val

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

max-resp-time

Description Max Response Time (Default is 100)

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *tunnel-list_ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *tunnel-list_ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/rip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *tunnel-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

tunnel-list_ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

tunnel-list_ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *tunnel-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *tunnel-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *tunnel-list_ip_rip_authentication_str*

Type: Object

tunnel-list_ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

tunnel-list_ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

tunnel-list_ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

tunnel-list_ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

tunnel-list_ip_address

Specification	
Type	*object*

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-cfg

Type: List

tunnel-list_ip_address_ip-cfg

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

tunnel-list_ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

tunnel-list_ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

tunnel-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

tunnel-list_ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

tunnel-list_ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

tunnel-list_ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-list_ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-list_ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

tunnel-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

tunnel-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num-rx-pkts': received packets; 'num-total-rx-bytes': received bytes; 'num-tx-pkts': sent packets; 'num-total-tx-bytes': sent bytes; 'num-rx-err-pkts': received error packets; 'num-tx-err-pkts': sent error packets; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec;

Type: string

Supported Values: all, num-rx-pkts, num-total-rx-bytes, num-tx-pkts, num-total-tx-bytes, num-rx-err-pkts, num-tx-err-pkts, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd

tunnel-list_ipv6

Specification	
Type	*object*

address-cfg

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *tunnel-list_ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf*

router

Description: router is a **JSON Block**. Please see below for *tunnel-list_ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6_router

Specification	
Type	*object*

ospf

Description: ospf is a **JSON Block**. Please see below for *tunnel-list_ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *tunnel-list_ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng*

tunnel-list_ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tunnel-list_ipv6_address-cfg

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

tunnel-list_ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

tunnel-list_ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

tunnel-list_ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

tunnel-list_ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-list_ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

tunnel-list_ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-list_ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

tunnel-list_ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

tunnel-list_ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

management

Specification	
Type	*object*

access-list

Description: access-list is a **JSON Block**. Please see below for *management_access-list*

Type: Object

action

Description 'enable': Enable Management Port; 'disable': Disable Management Port;

Type: string

Supported Values: enable, disable

broadcast-rate-limit

Description: broadcast-rate-limit is a **JSON Block**. Please see below for *management_broadcast-rate-limit*

Type: Object

duplexity

Description 'Full': Full; 'Half': Half; 'auto': Auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description: ip is a **JSON Block**. Please see below for *management_ip*

Type: Object

ipv6

Type: List

lldp

Description: lldp is a **JSON Block**. Please see below for *management_lldp*

Type: Object

Refernce Object: */axapi/v3/interface/management/lldp*

sampling-enable

Type: List

secondary-ip

Description: secondary-ip is a **JSON Block**. Please see below for *management_secondary-ip*

Type: Object

speed

Description '10': 10 Mbs/sec; '100': 100 Mbs/sec; '1000': 1 Gb/sec; 'auto': Auto Negotiate Speed; (Interface Speed)

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management_lldp

Specification	
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *management_lldp_enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *management_lldp_notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *management_lldp_tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *management_lldp_tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management_lldp_tx-dot1-cfg

Specification	
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_lldp_notification-cfg

Specification	
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_lldp_tx-tlvs-cfg

Specification	
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_lldp_enable-cfg

Specification	
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_broadcast-rate-limit

Specification	
Type	*object*

bcast-rate-limit-enable

Description Rate limit the l2 broadcast packet on mgmt port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate

Description packets per second. Default is 500. (packets per second. Please specify an even number. Default is 500)

Type: number

Range: 50-5000

Default: 500

management_ipv6

Specification	
Type	*list*
Block object keys	

address-type

Description 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: link-local

default-ipv6-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv6-address

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

management_secondary-ip

Specification	
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dhcp and ipv4-address are mutually exclusive

ipv4-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address and dhcp are mutually exclusive

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

secondary-ip

Description Global IP configuration subcommands

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'input_err_short': Runts; 'input_err_long': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted broadcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, input_err_short, input_err_long, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions

management_ip

Specification	
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dhcp and ipv4-address are mutually exclusive

ipv4-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address and dhcp are mutually exclusive

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

management_access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list

Specification	
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *trunk-list_access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *trunk-list_bfd*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/bfd*

ddos

Description: ddos is a **JSON Block**. Please see below for *trunk-list_ddos*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ddos*

do-auto-recovery

Description (Only for LACP trunks) Attempt auto-recovery after ports-treshold is triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *trunk-list_icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *trunk-list_icmpv6-rate-limit*

Type: Object

ifnum

Description Trunk interface number

Type: number

Range: 1-4096

ip

Description: ip is a **JSON Block**. Please see below for *trunk-list_ip*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *trunk-list_ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *trunk-list_isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/isis*

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *trunk-list_lw-4o6*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/lw-4o6*

mac-learning

Description 'enable': Enable MAC learning; 'disable': Disable MAC learning; 'dmac-only': Enable destination MAC learning only;

Type: string

Supported Values: enable, disable, dmac-only

map

Description: map is a **JSON Block**. Please see below for *trunk-list_map*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *trunk-list_nptv6*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/nptv6*

ports-threshold

Description Threshold for the minimum number of ports that need to be UP for the trunk to remain UP

Type: number

sampling-enable

Type: List

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *trunk-list_spanning-tree*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/spanning-tree*

sync-modify-disable

Description Disable SYNC bit modify for ports-threshold do-auto-recovery

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timer

Description Timer to re-check the threshold under certain conditions (Time in seconds (Default: 10))

Type: number

Range: 1-300

Default: 10

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update-l2-info

Description Update and use received L2 information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-hw-hash

Description Enable HW based load balacing decision rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire

Description Mark trunk as a virtual wire interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan-learning

Description 'enable': Enable VLAN learning; 'disable': Disable VLAN learning;

Type: string

Supported Values: enable, disable

trunk-list_map

Specification	
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip

Specification	
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

nat

Description: nat is a **JSON Block**. Please see below for *trunk-list_ip_nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *trunk-list_ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf*

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *trunk-list_ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *trunk-list_ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *trunk-list_ip_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

trunk-list_ip_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *trunk-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *trunk-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *trunk-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *trunk-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

trunk-list_ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

trunk-list_ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *trunk-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *trunk-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *trunk-list_ip_rip_authentication_str*

Type: Object

trunk-list_ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

trunk-list_ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

trunk-list_ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list_ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

trunk-list_ip_nat

Specification	
Type	*object*

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

trunk-list_ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *trunk-list_ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/router/isis*

trunk-list_ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

trunk-list_ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

trunk-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

trunk-list_ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

trunk-list_ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

trunk-list_ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

trunk-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list_ddos

Specification	
Type	*object*

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list_bfd

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *trunk-list_bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *trunk-list_bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_bfd_authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list_bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

trunk-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': num_pkts; 'num_total_bytes': num_total_bytes; 'num_unicast_pkts': num_unicast_pkts; 'num_broadcast_pkts': num_broadcast_pkts; 'num_multicast_pkts': num_multicast_pkts; 'num_tx_pkts': num_tx_pkts; 'num_total_tx_bytes': num_total_tx_bytes; 'num_unicast_tx_pkts': num_unicast_tx_pkts; 'num_broadcast_tx_pkts': num_broadcast_tx_pkts; 'num_multicast_tx_pkts': num_multicast_tx_pkts; 'dropped_dis_rx_pkts': dropped_dis_rx_pkts; 'dropped_rx_pkts': dropped_rx_pkts; 'dropped_dis_tx_pkts': dropped_dis_tx_pkts; 'dropped_tx_pkts': dropped_tx_pkts;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, dropped_dis_rx_pkts, dropped_rx_pkts, dropped_dis_tx_pkts, dropped_tx_pkts

trunk-list_ipv6

Specification	
Type	*object*

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *trunk-list_ipv6_access-list-cfg*

Type: Object

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat

Description: nat is a **JSON Block**. Please see below for *trunk-list_ipv6_nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *trunk-list_ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *trunk-list_ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *trunk-list_ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *trunk-list_ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *trunk-list_ipv6_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

trunk-list_ipv6_router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

hop-limit

Description Set Router Advertisement Hop Limit (default: 255) (Max Router Advertisement Interval (seconds))

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Min Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Max Number of Router Solicitations to process per second)

Type: number

Range: 3-1350

Default: 200

mtu

Description: mtu is a **JSON Block**. Please see below for *trunk-list_ipv6_router-adver_mtu*

Type: Object

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

vrid

Description: vrid is a **JSON Block**. Please see below for *trunk-list_ipv6_router-adver_vrid*

Type: Object

trunk-list_ipv6_router-adver_vrid

Specification	
Type	*object*

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ipv6_router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

trunk-list_ipv6_router-adver_mtu

Specification	
Type	*object*

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

trunk-list_ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *trunk-list_ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *trunk-list_ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *trunk-list_ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng*

trunk-list_ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk-list_ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *trunk-list_ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

trunk-list_ipv6_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_nat

Specification	
Type	*object*

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ipv6_access-list-cfg

Specification	
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

trunk-list_ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

trunk-list_ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

trunk-list_ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

trunk-list_ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

trunk-list_ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

trunk-list_ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

trunk-list_ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

trunk-list_spanning-tree

Specification	
Type	*object*

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_spanning-tree_instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

trunk-list_nptv6

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

trunk-list_nptv6_domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *trunk-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *trunk-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *trunk-list_isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

trunk-list_isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

trunk-list_isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

trunk-list_isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

trunk-list_isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

trunk-list_isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

trunk-list_isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

trunk-list_isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

trunk-list_isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

trunk-list_isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

trunk-list_isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

trunk-list_isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

trunk-list_isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

trunk-list_icmpv6-rate-limit

Specification	
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

trunk-list_lw-4o6

Specification	
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_icmp-rate-limit

Specification	
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

available-eth-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Specification	
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *ve-list_access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *ve-list_bfd*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/bfd*

ddos

Description: ddos is a **JSON Block**. Please see below for *ve-list_ddos*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ddos*

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *ve-list_icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *ve-list_icmpv6-rate-limit*

Type: Object

ifnum

Description Virtual ethernet interface number

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

ip

Description: ip is a **JSON Block**. Please see below for *ve-list_ip*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ve-list_ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *ve-list_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/isis*

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs for incoming packets on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *ve-list_lw-4o6*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/lw-4o6*

map

Description: map is a **JSON Block**. Please see below for *ve-list_map*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *ve-list_nptv6*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/nptv6*

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

sampling-enable

Type: List

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip

Specification	
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ve-list_ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ve-list_ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ve-list_ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ve-list_ip_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ve-list_ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ve-list_ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/router/isis*

ve-list_ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ve-list_ip_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ve-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ve-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ve-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ve-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ve-list_ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ve-list_ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ve-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ve-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ve-list_ip_rip_authentication_str*

Type: Object

ve-list_ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ve-list_ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ve-list_ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ve-list_ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ve-list_ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ve-list_ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ve-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ve-list_ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ve-list_ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ve-list_ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ve-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ve-list_ddos

Specification	
Type	*object*

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

ve-list_bfd

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ve-list_bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *ve-list_bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_bfd_authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ve-list_bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

ve-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': Input packets; 'num_total_bytes': Input bytes; 'num_unicast_pkts': Received unicasts; 'num_broadcast_pkts': Received braodcasts; 'num_multicast_pkts': Received multicasts; 'num_tx_pkts': Transmitted packtes; 'num_total_tx_bytes': Transmitte bytes; 'num_unicast_tx_pkts': Trasnmitted unicasts; 'num_broadcast_tx_pkts': Transmitted broadcasts; 'num_multicast_tx_pkts': Transmitted multicasts; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec; 'load_interval': Load Interval;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd, load_interval

ve-list_ipv6

Specification	
Type	*object*

address-list

Type: List

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ve-list_ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/ospf*

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ve-list_ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ve-list_ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ve-list_ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ve-list_ipv6_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ve-list_ipv6_address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ve-list_ipv6_rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ve-list_ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ve-list_ipv6_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ve-list_ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ve-list_ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ve-list_ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng*

ve-list_ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ve-list_ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ve-list_ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ve-list_ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ve-list_ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ve-list_ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ve-list_ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ve-list_ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ve-list_ipv6_router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ipv6_router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

ve-list_map

Specification	
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_nptv6

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

ve-list_nptv6_domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ve-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ve-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *ve-list_isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

ve-list_isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

ve-list_isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ve-list_isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

ve-list_isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

ve-list_isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

ve-list_isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

ve-list_isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

ve-list_isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

ve-list_isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ve-list_isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ve-list_isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

ve-list_isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

ve-list_icmpv6-rate-limit

Specification	
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

ve-list_lw-4o6

Specification	
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_icmp-rate-limit

Specification	
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

brief

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *ethernet-list_access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: disable

auto-neg-enable

Description enable auto-negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Description: bfd is a **JSON Block**. Please see below for *ethernet-list_bfd*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/bfd*

cpu-process

Description All Packets to this port are processed by CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cpu-process-dir

Description 'primary': Primary board; 'blade': blade board; 'hash-dip': Hash based on the Destination IP; 'hash-sip': Hash based on the Source IP; 'hash-dmac': Hash based on the Destination MAC; 'hash-smac': Hash based on the Source MAC;

Type: string

Supported Values: primary, blade, hash-dip, hash-sip, hash-dmac, hash-smac

ddos

Description: ddos is a **JSON Block**. Please see below for *ethernet-list_ddos*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ddos*

duplexity

Description 'Full': Full; 'Half': Half; 'auto': auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

fec-forced-off

Description turn off the FEC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fec-forced-off and fec-forced-on are mutually exclusive

fec-forced-on

Description turn on the FEC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fec-forced-on and fec-forced-off are mutually exclusive

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *ethernet-list_icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *ethernet-list_icmpv6-rate-limit*

Type: Object

ifnum

Description Ethernet interface number

Type: number

Format: interface

ip

Description: ip is a **JSON Block**. Please see below for *ethernet-list_ip*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip*

ipg-bit-time

Description Set Inter-packet-gap interval in bit timing, default is 96

Type: number

Range: 64-120

Default: 96

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ethernet-list_ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *ethernet-list_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/isis*

l3-vlan-fwd-disable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp

Description: lldp is a **JSON Block**. Please see below for *ethernet-list_lldp*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/lldp*

load-interval

Description Configure Load Interval (Seconds (5-300, Multiple of 5), default 300)

Type: number

Range: 5-300

Default: 300

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *ethernet-list_lw-4o6*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/lw-4o6*

mac-learning

Description 'enable': Enable MAC learning; 'disable': Disable MAC learning; 'dmac-only': Enable destination MAC learning only;

Type: string

Supported Values: enable, disable, dmac-only

map

Description: map is a **JSON Block**. Please see below for *ethernet-list_map*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/map*

media-type-copper

Description Set the media type to copper

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-list

Type: List

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *ethernet-list_nptv6*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl*

ping-sweep-detection

Description 'enable': Enabl ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-breakout

Description enable breaking out a port into 4 logical ones

Type: string

Supported Values: 4x10G, 4x25G, 2x50G

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

remove-vlan-tag

Description Remove the vlan tag for egressing packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *ethernet-list_spanning-tree*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/spanning-tree*

speed

Description '10': 10; '100': 100; '1000': 1000; 'auto': auto;

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

speed-forced-10g

Description force the speed to be 10G on 25G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: speed-forced-10g and speed-forced-1g are mutually exclusive

speed-forced-1g

Description force the speed to be 1G on 25G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: speed-forced-1g and speed-forced-10g are mutually exclusive

speed-forced-40g

Description force the speed to be 40G on 100G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-distribution-mode

Description 'sip': sip; 'dip': dip; 'primary': primary; 'blade': blade; 'l4-src-port': l4-src-port; 'l4-dst-port': l4-dst-port;

Type: string

Supported Values: sip, dip, primary, blade, l4-src-port, l4-dst-port

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-group-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}*

update-l2-info

Description Update and use received L2 information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire

Description Mark ethernet as a virtual wire interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan-learning

Description 'enable': Enable VLAN learning; 'disable': Disable VLAN learning;

Type: string

Supported Values: enable, disable

ethernet-list_map

Specification	
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip

Specification	
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ethernet-list_ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ethernet-list_ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ethernet-list_ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ethernet-list_ip_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Configure Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ethernet-list_ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router/isis*

ethernet-list_ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ethernet-list_ip_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ethernet-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ethernet-list_ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ethernet-list_ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ethernet-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ethernet-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ethernet-list_ip_rip_authentication_str*

Type: Object

ethernet-list_ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ethernet-list_ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ethernet-list_ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ethernet-list_ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ethernet-list_ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ethernet-list_ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ethernet-list_ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ethernet-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ethernet-list_ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ethernet-list_ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ethernet-list_ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ethernet-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ethernet-list_ddos

Specification	
Type	*object*

inside

Description DDoS inside (trusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

ethernet-list_bfd

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ethernet-list_bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *ethernet-list_bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_bfd_authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ethernet-list_bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

ethernet-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'runts': Runts; 'giants': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted braodcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, runts, giants, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions, giants_output, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd, load_interval

ethernet-list_monitor-list

Specification	
Type	*list*
Block object keys	

mirror-index

Description Mirror index

Type: number

Range: 1-4

Refernce Object: */axapi/v3/mirror-port*

monitor

Description 'input': Incoming packets; 'output': Outgoing packets; 'both': Both incoming and outgoing packets;

Type: string

Supported Values: input, output, both

monitor-vlan

Description VLAN number

Type: number

Range: 2-4094

ethernet-list_spanning-tree

Specification	
Type	*object*

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_spanning-tree_instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

ethernet-list_lldp

Specification	
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *ethernet-list_lldp_enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *ethernet-list_lldp_notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *ethernet-list_lldp_tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *ethernet-list_lldp_tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_lldp_tx-dot1-cfg

Specification	
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_lldp_notification-cfg

Specification	
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_lldp_tx-tlvs-cfg

Specification	
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_lldp_enable-cfg

Specification	
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_trunk-group-list

Specification	
Type	*list*
Block object keys	

admin-key

Description LACP admin key (Admin key value)

Type: number

Range: 10000-65535

mode

Description 'active': enable initiation of LACP negotiation on a port(default); 'passive': disable initiation of LACP negotiation on a port;

Type: string

Supported Values: active, passive

Default: active

port-priority

Description Set LACP priority for a port (LACP port priority)

Type: number

Range: 1-65535

timeout

Description 'long': Set LACP long timeout (default); 'short': Set LACP short timeout;

Type: string

Supported Values: long, short

Default: long

trunk-number

Description Trunk Number

Type: number

Range: 1-4096

type

Description 'static': Static (default); 'lacp': lacp; 'lacp-udld': lacp-udld;

Type: string

Supported Values: static, lacp, lacp-udld

Default: static

udld-timeout-cfg

Description: udld-timeout-cfg is a **JSON Block**. Please see below for *ethernet-list_trunk-group-list_udld-timeout-cfg*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_trunk-group-list_udld-timeout-cfg

Specification	
Type	*object*

fast

Description fast timeout in unit of milli-seconds(default 1000)

Type: number

Range: 100-1000

Default: 1000

Mutual Exclusion: fast and slow are mutually exclusive

slow

Description slow timeout in unit of seconds

Type: number

Range: 1-60

Mutual Exclusion: slow and fast are mutually exclusive

ethernet-list_nptv6

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

ethernet-list_nptv6_domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_icmp-rate-limit

Specification	
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

ethernet-list_isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ethernet-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ethernet-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *ethernet-list_isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

ethernet-list_isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

ethernet-list_isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ethernet-list_isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

ethernet-list_isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

ethernet-list_isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

ethernet-list_isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

ethernet-list_isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

ethernet-list_isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

ethernet-list_isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ethernet-list_isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ethernet-list_isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

ethernet-list_isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

ethernet-list_icmpv6-rate-limit

Specification	
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

ethernet-list_ipv6

Specification	
Type	*object*

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *ethernet-list_ipv6_access-list-cfg*

Type: Object

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ethernet-list_ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ethernet-list_ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ethernet-list_ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ethernet-list_ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ethernet-list_ipv6_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ethernet-list_ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ethernet-list_ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ethernet-list_ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ethernet-list_ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng*

ethernet-list_ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet-list_ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ethernet-list_ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ethernet-list_ipv6_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_access-list-cfg

Specification	
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ethernet-list_ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ethernet-list_ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ethernet-list_ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ethernet-list_ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ethernet-list_ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ethernet-list_ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ethernet-list_ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ethernet-list_ipv6_router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ipv6_router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

ethernet-list_lw-4o6

Specification	
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

switch-drop-reason

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list

Specification	
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *lif-list_access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *lif-list_bfd*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/bfd*

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

ip

Description: ip is a **JSON Block**. Please see below for *lif-list_ip*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *lif-list_ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *lif-list_isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/isis*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *lif-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *lif-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *lif-list_isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

lif-list_isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

lif-list_isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

lif-list_isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

lif-list_isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

lif-list_isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

lif-list_isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

lif-list_isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

lif-list_isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

lif-list_isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

lif-list_isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

lif-list_isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

lif-list_isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

lif-list_bfd

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *lif-list_bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *lif-list_bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_bfd_authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

lif-list_bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

lif-list_ip

Specification	
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *lif-list_ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *lif-list_ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *lif-list_ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *lif-list_ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/router/isis*

lif-list_ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *lif-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *lif-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *lif-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *lif-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

lif-list_ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

lif-list_ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *lif-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *lif-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *lif-list_ip_rip_authentication_str*

Type: Object

lif-list_ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

lif-list_ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

lif-list_ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

lif-list_ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

lif-list_ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

lif-list_ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}*

lif-list_ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

lif-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

lif-list_ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

lif-list_ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

lif-list_ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

lif-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

lif-list_access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

lif-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': num_pkts; 'num_total_bytes': num_total_bytes; 'num_unicast_pkts': num_unicast_pkts; 'num_broadcast_pkts': num_broadcast_pkts; 'num_multicast_pkts': num_multicast_pkts; 'num_tx_pkts': num_tx_pkts; 'num_total_tx_bytes': num_total_tx_bytes; 'num_unicast_tx_pkts': num_unicast_tx_pkts; 'num_broadcast_tx_pkts': num_broadcast_tx_pkts; 'num_multicast_tx_pkts': num_multicast_tx_pkts; 'dropped_dis_rx_pkts': dropped_dis_rx_pkts; 'dropped_rx_pkts': dropped_rx_pkts; 'dropped_dis_tx_pkts': dropped_dis_tx_pkts; 'dropped_tx_pkts': dropped_tx_pkts;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, dropped_dis_rx_pkts, dropped_rx_pkts, dropped_dis_tx_pkts, dropped_tx_pkts, dropped_rx_pkts_gre_key

lif-list_ipv6

Specification	
Type	*object*

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *lif-list_ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *lif-list_ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_address-list

Specification	
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *lif-list_ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *lif-list_ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *lif-list_ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ripng*

lif-list_ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lif-list_ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

lif-list_ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

lif-list_ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

lif-list_ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

lif-list_ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

lif-list_ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

lif-list_ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

packet-size-bucket

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list

Specification	
Type	*list*
Block object keys	

ifnum

Description Loopback interface number

Type: number

Format: interface

ip

Description: ip is a **JSON Block**. Please see below for *loopback-list_ip*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *loopback-list_ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *loopback-list_isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/isis*

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

snmp-server

Description: snmp-server is a **JSON Block**. Please see below for *loopback-list_snmp-server*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *loopback-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *loopback-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *loopback-list_isis_mesh-group*

Type: Object

metric-list

Type: List

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

loopback-list_isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

loopback-list_isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

loopback-list_isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

loopback-list_isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

loopback-list_isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

loopback-list_isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

loopback-list_isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

loopback-list_isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

loopback-list_isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

loopback-list_isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

loopback-list_isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

loopback-list_isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

loopback-list_snmp-server

Specification	
Type	*object*

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ip

Specification	
Type	*object*

address-list

Type: List

ospf

Description: ospf is a **JSON Block**. Please see below for *loopback-list_ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *loopback-list_ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *loopback-list_ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

loopback-list_ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

loopback-list_ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

loopback-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

loopback-list_ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

loopback-list_ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

loopback-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

loopback-list_ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *loopback-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *loopback-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *loopback-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *loopback-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

loopback-list_ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

loopback-list_ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *loopback-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *loopback-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *loopback-list_ip_rip_authentication_str*

Type: Object

loopback-list_ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

loopback-list_ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

loopback-list_ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

loopback-list_ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

loopback-list_ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *loopback-list_ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/router/isis*

loopback-list_ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6

Specification	
Type	*object*

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *loopback-list_ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *loopback-list_ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *loopback-list_ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_address-list

Specification	
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ipv6_rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *loopback-list_ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

loopback-list_ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *loopback-list_ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *loopback-list_ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *loopback-list_ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng*

loopback-list_ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

loopback-list_ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

loopback-list_ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

loopback-list_ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

loopback-list_ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

loopback-list_ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

loopback-list_ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.2 interface available-eth-list

List of ethernet interfaces available in a partition

available-eth-list Specification

Type	*Configuration Resource*
Element Name	available-eth-list
Element URI	/axapi/v3/interface/available-eth-list
Element Attributes	available-eth-list_attributes
Operational Data URI	/axapi/v3/interface/available-eth-list/oper
Schema	`available-eth-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/available-eth-list

available-eth-list attributes

Get Object

GET

/axapi/v3/interface/available-eth-list

available-eth-list attributes

Modify Object

POST

/axapi/v3/interface/available-eth-list

available-eth-list attributes

Replace Object

PUT

/axapi/v3/interface/available-eth-list

available-eth-list attributes

Delete Object

DELETE

/axapi/v3/interface/available-eth-list

available-eth-list attributes

available-eth-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	if-list		if-list
	tot_num_of_ports	number	tot_num_of_ports

2.47.3 interface brief

Interface statistics information

brief Specification

Type	*Configuration Resource*
Element Name	brief
Element URI	/axapi/v3/interface/brief
Element Attributes	brief_attributes
Operational Data URI	/axapi/v3/interface/brief/oper
Schema	`brief schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/brief

brief attributes

Get Object

GET

/axapi/v3/interface/brief

brief attributes

Modify Object

POST

/axapi/v3/interface/brief

brief attributes

Replace Object

PUT

/axapi/v3/interface/brief

brief attributes

Delete Object

DELETE

/axapi/v3/interface/brief

brief attributes

brief attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	interfaces		interfaces

2.47.4 interface common

Interface statistics information

common Specification

Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/interface/common
Element Attributes	common_attributes
Operational Data URI	/axapi/v3/interface/common/oper
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/common

common attributes

Get Object

GET

/axapi/v3/interface/common

common attributes

Modify Object

POST

/axapi/v3/interface/common

common attributes

Replace Object

PUT

/axapi/v3/interface/common

common attributes

Delete Object

DELETE

/axapi/v3/interface/common

common attributes

common attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	interfaces		interfaces
	interval	number	interval
	tot_num_phy_intf	number	tot_num_phy_intf
	vnp_id	number	vnp_id
	time	string	time

2.47.5 interface ethernet

Ethernet interface

ethernet Specification

Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/interface/ethernet
Element Name	ethernet
Element URI	/axapi/v3/interface/ethernet/{ifnum}
Element Attributes	ethernet_attributes
Statistics Data URI	/axapi/v3/interface/ethernet/{ifnum}/stats
Operational Data URI	/axapi/v3/interface/ethernet/{ifnum}/oper
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet

ethernet attributes

```
POST /axapi/v3/interface/ethernet/1
Payload:
{
    "ethernet": {
        "ifnum": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

```
GET /axapi/v3/interface/ethernet/1
Reponse:
{
```

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```
    "ethernet": {
        "ifnum": 1,
        "port-scan-detection": "disable",
        "ping-sweep-detection": "disable",
        "l3-vlan-fwd-disable": 0,
        "load-interval": 300,
        "media-type-copper": 0,
        "remove-vlan-tag": 0,
        "mtu": 1500,
        "trap-source": 0,
        "duplexity": "auto",
        "speed": "auto",
        "flow-control": 0,
        "action": "disable",
        "cpu-process": 0,
        "virtual-wire": 0,
        "uuid": "04434ec8-c86b-11e9-ba2d-9778838992f8",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/ethernet/1"
    }
}
```

Get List

GET

/axapi/v3/interface/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

```
PUT /axapi/v3/interface/ethernet/1
Payload:
{
    "ethernet": {
        "ifnum": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

```
DELETE /axapi/v3/interface/ethernet/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

ethernet-list : [

{ *ethernet attributes* },

{ *ethernet attributes* },

...

]

ethernet attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: disable

auto-neg-enable

Description enable auto-negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/bfd*

cpu-process

Description All Packets to this port are processed by CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cpu-process-dir

Description 'primary': Primary board; 'blade': blade board; 'hash-dip': Hash based on the Destination IP; 'hash-sip': Hash based on the Source IP; 'hash-dmac': Hash based on the Destination MAC; 'hash-smac': Hash based on the Source MAC;

Type: string

Supported Values: primary, blade, hash-dip, hash-sip, hash-dmac, hash-smac

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ddos*

duplexity

Description 'Full': Full; 'Half': Half; 'auto': auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

fec-forced-off

Description turn off the FEC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fec-forced-off and fec-forced-on are mutually exclusive

fec-forced-on

Description turn on the FEC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fec-forced-on and fec-forced-off are mutually exclusive

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *icmpv6-rate-limit*

Type: Object

ifnum

Description Ethernet interface number

Type: number

Format: interface

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip*

ipg-bit-time

Description Set Inter-packet-gap interval in bit timing, default is 96

Type: number

Range: 64-120

Default: 96

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/isis*

l3-vlan-fwd-disable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp

Description: lldp is a **JSON Block**. Please see below for *lldp*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/lldp*

load-interval

Description Configure Load Interval (Seconds (5-300, Multiple of 5), default 300)

Type: number

Range: 5-300

Default: 300

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *lw-4o6*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/lw-4o6*

mac-learning

Description 'enable': Enable MAC learning; 'disable': Disable MAC learning; 'dmac-only': Enable destination MAC learning only;

Type: string

Supported Values: enable, disable, dmac-only

map

Description: map is a **JSON Block**. Please see below for *map*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/map*

media-type-copper

Description Set the media type to copper

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-list

Type: List

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *nptv6*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl*

ping-sweep-detection

Description 'enable': Enabl ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-breakout

Description '4x10G': Breakout 100G/40G ports into 4x10G ports; '4x25G': Breakout 100G ports into 4x25G ports; '2x50G': Breakout 100G ports into 2x50G ports;

Type: string

Supported Values: 4x10G, 4x25G, 2x50G

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

remove-vlan-tag

Description Remove the vlan tag for egressing packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *spanning-tree*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/spanning-tree*

speed

Description '10': 10; '100': 100; '1000': 1000; 'auto': auto;

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

speed-forced-10g

Description force the speed to be 10G on 25G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: speed-forced-10g and speed-forced-1g are mutually exclusive

speed-forced-1g

Description force the speed to be 1G on 25G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: speed-forced-1g and speed-forced-10g are mutually exclusive

speed-forced-40g

Description force the speed to be 40G on 100G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-distribution-mode

Description 'sip': sip; 'dip': dip; 'primary': primary; 'blade': blade; 'l4-src-port': l4-src-port; 'l4-dst-port': l4-dst-port;

Type: string

Supported Values: sip, dip, primary, blade, l4-src-port, l4-dst-port

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-group-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}*

update-l2-info

Description Update and use received L2 information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire

Description Mark ethernet as a virtual wire interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan-learning

Description 'enable': Enable VLAN learning; 'disable': Disable VLAN learning;

Type: string

Supported Values: enable, disable

map

Specification	
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ip_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Configure Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router/isis*

ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ip_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ddos

Specification	
Type	*object*

inside

Description DDoS inside (trusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

bfd

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'runts': Runts; 'giants': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted braodcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, runts, giants, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions, giants_output, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd, load_interval

monitor-list

Specification	
Type	*list*
Block object keys	

mirror-index

Description Mirror index

Type: number

Range: 1-4

Refernce Object: */axapi/v3/mirror-port*

monitor

Description 'input': Incoming packets; 'output': Outgoing packets; 'both': Both incoming and outgoing packets;

Type: string

Supported Values: input, output, both

monitor-vlan

Description VLAN number

Type: number

Range: 2-4094

spanning-tree

Specification	
Type	*object*

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

lldp

Specification	
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *lldp_enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *lldp_notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *lldp_tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *lldp_tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_tx-dot1-cfg

Specification	
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_notification-cfg

Specification	
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_tx-tlvs-cfg

Specification	
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_enable-cfg

Specification	
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-group-list

Specification	
Type	*list*
Block object keys	

admin-key

Description LACP admin key (Admin key value)

Type: number

Range: 10000-65535

mode

Description 'active': enable initiation of LACP negotiation on a port(default); 'passive': disable initiation of LACP negotiation on a port;

Type: string

Supported Values: active, passive

Default: active

port-priority

Description Set LACP priority for a port (LACP port priority)

Type: number

Range: 1-65535

timeout

Description 'long': Set LACP long timeout (default); 'short': Set LACP short timeout;

Type: string

Supported Values: long, short

Default: long

trunk-number

Description Trunk Number

Type: number

Range: 1-4096

type

Description 'static': Static (default); 'lacp': lacp; 'lacp-udld': lacp-udld;

Type: string

Supported Values: static, lacp, lacp-udld

Default: static

udld-timeout-cfg

Description: udld-timeout-cfg is a **JSON Block**. Please see below for *trunk-group-list_udld-timeout-cfg*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-group-list_udld-timeout-cfg

Specification	
Type	*object*

fast

Description fast timeout in unit of milli-seconds(default 1000)

Type: number

Range: 100-1000

Default: 1000

Mutual Exclusion: fast and slow are mutually exclusive

slow

Description slow timeout in unit of seconds

Type: number

Range: 1-60

Mutual Exclusion: slow and fast are mutually exclusive

nptv6

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

nptv6_domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate-limit

Specification	
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

icmpv6-rate-limit

Specification	
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

ipv6

Specification	
Type	*object*

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *ipv6_access-list-cfg*

Type: Object

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ipv6_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ipv6_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_access-list-cfg

Specification	
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

lw-4o6

Specification	
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	frame	8	Frames
	rate_byte_sent	8	Byte sent rate bits/sec
	runts	8	Runts
	bytes_output	8	Output bytes
	input_errors	8	Input errors
	bytes_input	8	Input bytes
	load_interval	8	Load Interval
	transmit-ted_multicasts	8	Transmitted multicasts
	pack-ets_input	8	Input packets
	re-ceived_multicasts	8	Received multicasts
	pack-ets_output	8	Output packets
	transmit-ted_unicasts	8	Transmitted unicasts
	collisions	8	Collisions
	re-ceived_unicasts	8	Received unicasts
	rate_pkt_sent	8	Packet sent rate packets/sec
	giants	8	Giants
	re-ceived_broadcasts	8	Received broadcasts
	rate_byte_rcvd	8	Byte received rate bits/sec
	rate_pkt_rcvd	8	Packet received rate packets/sec
	transmit-ted_broadcasts	8	Transmitted braodcasts
	crc	8	CRC
	giants_output	8	Output Giants
	output_errors	8	Output errors

operational data

	Counter	Size	Description
	last_count_clear_at	string	last_count_clear_at
	line_protocol	enum	Output contains one of the following values: - up, down
	span_mode	string	span_mode
	icmp6-rate-over-limit-drop	number	icmp6-rate-over-limit-drop
	outgo-ing_pkts_mirrored	number	outgoing_pkts_mirrored
	rate_byte_sent	number	rate_byte_sent

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Table 2.17 – continued from previous page

	Counter	Size	Description
	ipv6-link-local-type	string	ipv6-link-local-type
	vlan-id	number	vlan-id
	ip_unnumbered_oper	number	ip_unnumbered_oper
	ipv4-address	ipv4-address	IP address
	ipv4_list		ipv4_list
	input_utilization	number	input_utilization
	config_speed	enum	Output contains one of the following values: - 10Mbit, 100Mbit, 1Gbit, 10Gbit, 40Gbit, auto
	ipv4-netmask	ipv4-netmask	IP subnet mask
	output_utilization	number	output_utilization
	incoming_pkts_mirrored	number	incoming_pkts_mirrored
	state	enum	Output contains one of the following values: - up, disabled, down
	tagged-vlan-list	string	tagged-vlan-list
	ip_unnumbered_peer_lla	ipv6-address	ip_unnumbered_peer_lla
	last_down_event_at	string	last_down_event_at
	is_device_transparent	number	is_device_transparent
	media_type	enum	Output contains one of the following values: - Copper, Fiber
	port_vnp_id	number	port_vnp_id
	link_type	enum	Output contains one of the following values: - GigabitEthernet, 10Gig, 40Gig
	ip_unnumbered_mac_learned	number	ip_unnumbered_mac_learned
	rate_pkt_rcvd	number	rate_pkt_rcvd
	current_vnp_id	number	current_vnp_id
	outgoing_pkts_monitored	number	outgoing_pkts_monitored
	ipv4_addr_count	number	ipv4_addr_count
	span_port_state	string	span_port_state
	ipv6-link-local-scope	string	ipv6-link-local-scope
	actual_duplexity	enum	Output contains one of the following values: - Full, fdx, Half, hdx, auto
	icmp-rate-over-limit-drop	number	icmp-rate-over-limit-drop
	is_blocked	number	is_blocked
	incoming_pkts_monitored	number	incoming_pkts_monitored
	rate_byte_rcvd	number	rate_byte_rcvd
	ipv6_list		ipv6_list
	is-tagged	number	is-tagged
	last_up_event_at	string	last_up_event_at
	is_lead_member	number	is_lead_member

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Table 2.17 – continued from previous page

	Counter	Size	Description
	ipv6-link-local	ipv6-address	ipv6-link-local
	mac	mac-address	mac
	actual_speed	enum	Output contains one of the following values: - 10Mbit, 100Mbit, 1Gbit, 10Gbit, 40Gbit, unknown
	con-fig_duplexity	enum	Output contains one of the following values: - Full, fdx, Half, hdx, auto
	icmp6-rate-limit-current	number	icmp6-rate-limit-current
	is_pristine	number	is_pristine
	icmp-rate-limit-current	number	icmp-rate-limit-current
	igmp-query-sent	number	igmp-query-sent
	rate_pkt_sent	number	rate_pkt_sent
	ipv6_addr_count	number	ipv6_addr_count
	ip_unnumbered_enabled	number	ip_unnumbered_enabled
	ipv6-link-local-prefix	string	ipv6-link-local-prefix

2.47.6 interface ethernet bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/interface/ethernet/{ifnum}/bfd
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

```
POST /axapi/v3/interface/ethernet/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
```

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```
            "method": "md5",
            "key-id": 0,
            "password": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

```
GET /axapi/v3/interface/ethernet/1/bfd
Reponse:
{
    "bfd": {
        "authentication": {
            "key-id": 0,
            "method": "md5",
            "encrypted": "XXXXX"
        },
        "echo": 0,
        "uuid": "d06711a8-6064-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

```
PUT /axapi/v3/interface/ethernet/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "meticulous-md5",
            "key-id": 1,
            "password": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

```
DELETE /axapi/v3/interface/ethernet/1/bfd
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bfd attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

2.47.7 interface ethernet ip

Global IP configuration subcommands

ip Specification

Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/ethernet/1/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1
        },
        "dhcp": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/ethernet/1/ip
Reponse:
{
    "ip": {
        "dhcp": 1,
        "allow-promiscuous-vip": 0,
        "cache-spoofing-port": 0,
```

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```
        "inside": 0,
        "outside": 0,
        "ttl-ignore": 0,
        "syn-cookie": 0,
        "slb-partition-redirect": 0,
        "generate-membership-query": 0,
        "client": 0,
        "server": 0,
        "uuid": "e5aa7c30-6064-11d9-9a56-001fa00680a0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "e5aa8ab8-6064-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/ethernet/1/ip/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/ethernet/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/ethernet/1/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abcd"
        },
        "dhcp": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/ethernet/1/ip
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

ip attributes

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Configure Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router/isis*

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.8 interface ethernet ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/ethernet/1/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "network": {
                "broadcast": 0
            },
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "d342af26-6065-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/ethernet/1/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.9 interface ethernet ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/ethernet/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/ethernet/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "e11e6356-6065-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/ethernet/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
DELETE /axapi/v3/interface/ethernet/1/ip/ospf/ospf-global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.10 interface ethernet ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.47.11 interface ethernet ip rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/ethernet/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/ethernet/1/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
```

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```
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "4cf2778e-6066-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/ethernet/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/ethernet/1/ip/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.47.12 interface ethernet ip router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router/isis*

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.13 interface ethernet ip router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/ethernet/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/ethernet/1/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "7ee7889c-6066-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/ethernet/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/ethernet/1/ip/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.14 interface ethernet ip stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall
Element Attributes	stateful-firewall_attributes
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/ethernet/1/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/ethernet/1/ip/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "917087f2-6066-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/ethernet/1/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
DELETE /axapi/v3/interface/ethernet/1/ip/stateful-firewall
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.15 interface ethernet ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
            "inside": 1
        },
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6
Reponse:
{
    "ipv6": {
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ],
        "inside": 0,
        "outside": 0,
        "ipv6-enable": 0,
        "ttl-ignore": 0,
        "router-adver": {
            "action": "disable",
            "hop-limit": 255,
            "max-interval": 600,
            "min-interval": 200,
            "default-lifetime": 1800,
            "rate-limit": 100000,
            "reachable-time": 0,
            "retransmit-timer": 0,
            "adver-mtu-disable": 1,
            "managed-config-action": "disable",
            "other-config-action": "disable",
            "adver-vrid-default": 0
        },
        "uuid": "b8f1ed48-6066-11d9-9a56-001fa00680a0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "b8f1fc0c-6066-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6
Payload:
{
```

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```
    "ipv6": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abc"
        },
        "address-list": [
            {
                "ipv6-addr": "fe80::1/64",
                "address-type": "link-local"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6 attributes

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *access-list-cfg*

Type: Object

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list-cfg

Specification	
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

2.47.16 interface ethernet ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
```

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```
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/ospf
Reponse:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint",
                "p2mp-nbma": 0,
                "network-instance-id": 0
            }
        ],
        "bfd": 0,
        "uuid": "3862dfd2-6068-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.17 interface ethernet ipv6 rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/rip
Reponse:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "8dbfa2f8-6068-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "disable"
```

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```
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

2.47.18 interface ethernet ipv6 router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router

router_attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/router
Reponse:
{
    "router": {
        "ripng": {
            "rip": 1,
            "uuid": "a855052c-6068-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router/ripng"
        },
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng*

ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.19 interface ethernet ipv6 router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "b65486d4-6068-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.20 interface ethernet ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
```

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```
        "uuid": "c45e6b0a-6068-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/router/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.47.21 interface ethernet ipv6 router ripng

ripng

ripng Specification

Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "df7c96f0-6068-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/router/ripng
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.22 interface ethernet ipv6 stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall
Element Attributes	stateful-firewall_attributes
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "f1e647b4-6068-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/stateful-firewall
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.23 interface ethernet isis

ISIS

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ethernet/{ifnum}/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

```
POST /axapi/v3/interface/ethernet/1/isis
Payload:
{
```

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```
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

```
GET /axapi/v3/interface/ethernet/1/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "13cd88ec-6069-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

```
PUT /axapi/v3/interface/ethernet/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

```
DELETE /axapi/v3/interface/ethernet/1/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.47.24 interface ethernet lldp

Interface lldp configuration

lldp Specification

Type	*Configuration Resource*
Element Name	lldp
Element URI	/axapi/v3/interface/ethernet/{ifnum}/lldp
Element Attributes	lldp_attributes
Schema	`lldp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

```
POST /axapi/v3/interface/ethernet/1/lldp
Payload:
{
    "lldp": {
        "enable-cfg": {
            "rt-enable": 1,
            "rx": 1,
```

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```
            "tx": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

```
GET /axapi/v3/interface/ethernet/1/lldp
Reponse:
{
    "lldp": {
        "enable-cfg": {
            "rt-enable": 1,
            "rx": 1,
            "tx": 1
        },
        "notification-cfg": {
            "notification": 0
        },
        "tx-dot1-cfg": {
            "tx-dot1-tlvs": 0
        },
        "tx-tlvs-cfg": {
            "tx-tlvs": 0
        },
        "uuid": "7eb630a0-6069-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/lldp"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

```
DELETE /axapi/v3/interface/ethernet/1/lldp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lldp attributes

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tx-dot1-cfg

Specification	
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification-cfg

Specification	
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs-cfg

Specification	
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-cfg

Specification	
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.47.25 interface ethernet lw-4o6

Configure LW-4over6 interface

lw-4o6 Specification

Type	*Configuration Resource*
Element Name	lw-4o6
Element URI	/axapi/v3/interface/ethernet/{ifnum}/lw-4o6
Element Attributes	lw-4o6_attributes
Schema	`lw-4o6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

```
POST /axapi/v3/interface/ethernet/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

```
GET /axapi/v3/interface/ethernet/1/lw-4o6
Reponse:
{
    "lw-4o6": {
        "outside": 1,
        "inside": 0,
        "uuid": "9933b52e-6069-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ethernet/1/lw-4o6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

```
PUT /axapi/v3/interface/ethernet/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

```
DELETE /axapi/v3/interface/ethernet/1/lw-4o6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lw-4o6 attributes

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.26 interface ethernet map

Configure MAP on this interface

map Specification

Type	*Configuration Resource*
Element Name	map
Element URI	/axapi/v3/interface/ethernet/{ifnum}/map
Element Attributes	map_attributes
Schema	`map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

map attributes

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.27 interface ethernet nptv6

Configure NPTv6 on this interface

nptv6 Specification

Type	*Intermediate Resource*
Element Name	nptv6
Element URI	/axapi/v3/interface/ethernet/{ifnum}/nptv6
Element Attributes	nptv6_attributes
Schema	`nptv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/nptv6

nptv6_attributes

nptv6 attributes

domain-list

Type: List

Refernce Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.28 interface ethernet nptv6 domain

Apply NPTv6 translation domain on interface

domain Specification

Type	*Collection*
Object Key(s)	*domain-name, bind-type*
Collection Name	*domain-list*
Collection URI	/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain
Element Name	domain
Element URI	/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}
Element Attributes	domain_attributes
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain

domain attributes

Create List

POST

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain

domain attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Get List

GET

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain

domain-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace List

PUT

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain

domain-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.29 interface ethernet spanning-tree

Spanning tree port configuration

spanning-tree Specification

Type	*Configuration Resource*
Element Name	spanning-tree
Element URI	/axapi/v3/interface/ethernet/{ifnum}/spanning-tree
Element Attributes	spanning-tree_attributes
Schema	`spanning-tree schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

spanning-tree attributes

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

2.47.30 interface ethernet trunk-group

Trunk Group Settings

trunk-group Specification

Type	*Collection*
Object Key(s)	*trunk-number*
Collection Name	*trunk-group-list*
Collection URI	/axapi/v3/interface/ethernet/{ifnum}/trunk-group
Element Name	trunk-group
Element URI	/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}
Element Attributes	trunk-group_attributes
Schema	`trunk-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/trunk-group

trunk-group attributes

Create List

POST

/axapi/v3/interface/ethernet/{ifnum}/trunk-group

trunk-group attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}

trunk-group attributes

Get List

GET

/axapi/v3/interface/ethernet/{ifnum}/trunk-group

trunk-group-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}

trunk-group attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}

trunk-group attributes

Replace List

PUT

/axapi/v3/interface/ethernet/{ifnum}/trunk-group

trunk-group-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}

trunk-group attributes

trunk-group-list

trunk-group-list is **JSON List** of *trunk-group attributes*

trunk-group-list : [

{ *trunk-group attributes* },

{ *trunk-group attributes* },

...

]

trunk-group attributes

admin-key

Description LACP admin key (Admin key value)

Type: number

Range: 10000-65535

mode

Description 'active': enable initiation of LACP negotiation on a port(default); 'passive': disable initiation of LACP negotiation on a port;

Type: string

Supported Values: active, passive

Default: active

port-priority

Description Set LACP priority for a port (LACP port priority)

Type: number

Range: 1-65535

timeout

Description 'long': Set LACP long timeout (default); 'short': Set LACP short timeout;

Type: string

Supported Values: long, short

Default: long

trunk-number

Description Trunk Number

Type: number

Range: 1-4096

type

Description 'static': Static (default); 'lacp': lacp; 'lacp-udld': lacp-udld;

Type: string

Supported Values: static, lacp, lacp-udld

Default: static

udld-timeout-cfg

Description: udld-timeout-cfg is a **JSON Block**. Please see below for *udld-timeout-cfg*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udld-timeout-cfg

Specification	
Type	*object*

fast

Description fast timeout in unit of milli-seconds(default 1000)

Type: number

Range: 100-1000

Default: 1000

Mutual Exclusion: fast and slow are mutually exclusive

slow

Description slow timeout in unit of seconds

Type: number

Range: 1-60

Mutual Exclusion: slow and fast are mutually exclusive

2.47.31 interface lif

Logical interface

lif Specification

Type	*Collection*
Object Key(s)	*ifname*
Collection Name	*lif-list*
Collection URI	/axapi/v3/interface/lif
Element Name	lif
Element URI	/axapi/v3/interface/lif/{ifname}
Element Attributes	lif_attributes
Statistics Data URI	/axapi/v3/interface/lif/{ifname}/stats
Operational Data URI	/axapi/v3/interface/lif/{ifname}/oper
Schema	`lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif

lif attributes

```
POST /axapi/v3/interface/lif/
Payload:
{
    "lif": {
        "ifname": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/lif

lif attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}

lif attributes

```
GET /axapi/v3/interface/lif/a
Reponse:
{
```

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```
    "lif": {
        "ifname": "a",
        "mtu": 1500,
        "action": "enable",
        "uuid": "8f0e2e1e-606c-11d9-9a56-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/lif/a"
    }
}
```

Get List

GET

/axapi/v3/interface/lif

lif-list

Modify Object

POST

/axapi/v3/interface/lif/{ifname}

lif attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}

lif attributes

```
PUT /axapi/v3/interface/lif/a
Payload:
{
    "lif": {
        "ifname": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/lif

lif-list

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}

lif attributes

```
DELETE /axapi/v3/interface/lif/a
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

lif-list

lif-list is **JSON List** of *lif attributes*

lif-list : [

{ *lif attributes* },

{ *lif attributes* },

...

]

lif attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/bfd*

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/isis*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

bfd

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

ip

Specification	
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/router/isis*

ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': num_pkts; 'num_total_bytes': num_total_bytes; 'num_unicast_pkts': num_unicast_pkts; 'num_broadcast_pkts': num_broadcast_pkts; 'num_multicast_pkts': num_multicast_pkts; 'num_tx_pkts': num_tx_pkts; 'num_total_tx_bytes': num_total_tx_bytes; 'num_unicast_tx_pkts': num_unicast_tx_pkts; 'num_broadcast_tx_pkts': num_broadcast_tx_pkts; 'num_multicast_tx_pkts': num_multicast_tx_pkts; 'dropped_dis_rx_pkts': dropped_dis_rx_pkts; 'dropped_rx_pkts': dropped_rx_pkts; 'dropped_dis_tx_pkts': dropped_dis_tx_pkts; 'dropped_tx_pkts': dropped_tx_pkts;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts,

num_broadcast_tx_pkts, num_multicast_tx_pkts, dropped_dis_rx_pkts, dropped_rx_pkts, dropped_dis_tx_pkts, dropped_tx_pkts, dropped_rx_pkts_gre_key

ipv6

Specification	
Type	*object*

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-list

Specification	
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ripng*

ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

stats data

	Counter	Size	Description
	num_tx_pkts	8	num_tx_pkts
	dropped_dis_tx_pkts	8	dropped_dis_tx_pkts
	num_total_tx_bytes	8	num_total_tx_bytes
	num_multicast_pkts	8	num_multicast_pkts
	num_unicast_pkts	8	num_unicast_pkts
	num_broadcast_tx_pkts	8	num_broadcast_tx_pkts
	num_broadcast_pkts	8	num_broadcast_pkts
	num_multicast_tx_pkts	8	num_multicast_tx_pkts
	dropped_rx_pkts_gre_key	8	dropped_rx_pkts_gre_key
	num_unicast_tx_pkts	8	num_unicast_tx_pkts
	dropped_rx_pkts	8	dropped_rx_pkts
	num_total_bytes	8	num_total_bytes
	num_pkts	8	num_pkts
	dropped_dis_rx_pkts	8	dropped_dis_rx_pkts
	dropped_tx_pkts	8	dropped_tx_pkts

operational data

	Counter	Size	Description
	ipv6_addr_count	number	ipv6_addr_count
	ipv6-link-local-scope	string	ipv6-link-local-scope
	ipv6_list		ipv6_list
	line_protocol	enum	Output contains one of the following values: - UP, DOWN
	ipv6-link-local-type	string	ipv6-link-local-type
	icmp6-rate-over-limit-drop	number	icmp6-rate-over-limit-drop
	keep_alive	string	keep_alive
	ipv4_addr_count	number	ipv4_addr_count
	mac	mac-address	mac
	ipv6-link-local-prefix	string	ipv6-link-local-prefix
	icmp6-rate-limit-current	number	icmp6-rate-limit-current
	state	enum	Output contains one of the following values: - up, disabled, down
	icmp-rate-limit-current	number	icmp-rate-limit-current
	igmp-query-sent	number	igmp-query-sent
	icmp-rate-over-limit-drop	number	icmp-rate-over-limit-drop
	member_id	string	member_id
	ipv6-link-local	ipv6-address	ipv6-link-local
	encapsulation_type	enum	Output contains one of the following values: - DOT1Q, GRE, NO-ENCAP
	ipv4_list		ipv4_list
	link_type	string	link_type

2.47.32 interface lif bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/interface/lif/{ifname}/bfd
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

```
POST /axapi/v3/interface/lif/{ifname}/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "md5",
            "key-id": 0,
            "password": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

```
GET /axapi/v3/interface/lif/1/bfd
Reponse:
{
    "bfd": {
        "authentication": {
            "key-id": 0,
            "method": "md5",
            "encrypted":
↪"48GdldXBUxk8EIy41dsA5zwQjLjV2wDnPBCMuNXbAOc8EIy41dsA5zwQjLjV2wDn"
        },
        "echo": 0,
        "uuid": "71660a0c-4f5a-11e9-a0b3-000c2940c949",
        "a10-url": "/axapi/v3/interface/lif/1/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

```
PUT /axapi/v3/interface/lif/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "meticulous-md5",
            "key-id": 1,
            "password": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

```
DELETE /axapi/v3/interface/lif/1/bfd
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bfd attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

2.47.33 interface lif ip

Global IP configuration subcommands

ip Specification

Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/lif/{ifname}/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

```
POST /axapi/v3/interface/lif/{ifname}/ip
Payload:
{
    "ip": {
```

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```
        "router": {
            "isis": {
                "tag": "a"
            }
        },
        "address-list": [
            {
                "ipv4-address": "3.3.3.3",
                "ipv4-netmask": "255.255.0.0"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

```
GET /axapi/v3/interface/lif/1/ip
Reponse:
{
    "ip": {
        "dhcp": 0,
        "address-list": [
            {
                "ipv4-address": "3.3.3.3",
                "ipv4-netmask": "255.255.0.0"
            }
        ],
        "allow-promiscuous-vip": 0,
        "cache-spoofing-port": 0,
        "inside": 0,
        "outside": 0,
        "generate-membership-query": 0,
        "uuid": "8b1f756e-4f5a-11e9-a0b3-000c2940c949",
        "router": {
            "isis": {
                "tag": "a",
                "uuid": "8b2125b2-4f5a-11e9-a0b3-000c2940c949",
                "a10-url": "/axapi/v3/interface/lif/1/ip/router/isis"
            },
            "a10-url": "/axapi/v3/interface/lif/1/ip/router"
        },
        "a10-url": "/axapi/v3/interface/lif/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

```
PUT /axapi/v3/interface/lif/1/ip
Payload:
{
    "ip": {
        "router": {
            "isis": {
                "tag": "a"
            }
        },
        "address-list": [
            {
                "ipv4-address": "3.3.3.4",
                "ipv4-netmask": "255.255.255.0"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

```
DELETE /axapi/v3/interface/lif/1/ip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ip attributes

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/router/isis*

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.34 interface lif ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/lif/{ifname}/ip/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/lif/1/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "network": {
                "broadcast": 0
            },
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "e1968ef0-4f5a-11e9-a0b3-000c2940c949",
            "a10-url": "/axapi/v3/interface/lif/1/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/lif/1/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.35 interface lif ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1,
            "value": "message-digest"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/lif/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
```

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```
        "authentication-cfg": {
            "authentication": 1,
            "value": "message-digest"
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "f4e16cbe-4f5a-11e9-a0b3-000c2940c949",
        "a10-url": "/axapi/v3/interface/lif/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/lif/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

```
DELETE /axapi/v3/interface/lif/1/ip/ospf/ospf-global
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.36 interface lif ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.47.37 interface lif ip rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/lif/{ifname}/ip/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

```
POST /axapi/v3/interface/lif/{ifname}/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

```
GET /axapi/v3/interface/lif/1/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "61df411a-4f5b-11e9-a0b3-000c2940c949",
        "a10-url": "/axapi/v3/interface/lif/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/lif/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/lif/1/ip/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.47.38 interface lif ip router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/lif/{ifname}/ip/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ip/router/isis*

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.39 interface lif ip router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/lif/{ifname}/ip/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/lif/{ifname}/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/lif/1/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "9641ce0a-4f5b-11e9-a0b3-000c2940c949",
        "a10-url": "/axapi/v3/interface/lif/1/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/lif/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/lif/1/ip/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.40 interface lif ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

ipv6 attributes

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ripng*

router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.41 interface lif ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.42 interface lif ipv6 router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Refernce Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ripng*

ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.43 interface lif ipv6 router isis

IS-IS Routing for IPv6

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.44 interface lif ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.47.45 interface lif ipv6 router ripng

ripng

ripng Specification

Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng
Element Attributes	ripng_attributes
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.46 interface lif isis

ISIS

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/lif/{ifname}/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

```
POST /axapi/v3/interface/lif/{ifname}/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

```
GET /axapi/v3/interface/lif/1/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
```

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```
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "a615967c-4f5b-11e9-a0b3-000c2940c949",
        "a10-url": "/axapi/v3/interface/lif/1/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

```
PUT /axapi/v3/interface/lif/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

```
DELETE /axapi/v3/interface/lif/1/isis
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.47.47 interface loopback

Loopback interface

loopback Specification

Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*loopback-list*
Collection URI	/axapi/v3/interface/loopback
Element Name	loopback
Element URI	/axapi/v3/interface/loopback/{ifnum}
Element Attributes	loopback_attributes
Operational Data URI	/axapi/v3/interface/loopback/{ifnum}/oper
Schema	`loopback schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback

loopback attributes

```
POST /axapi/v3/interface/loopback/
Payload:
{
    "loopback": {
        "ifnum": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/loopback

loopback attributes

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

```
GET /axapi/v3/interface/loopback/1
Reponse:
{
    "loopback": {
```

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```
        "ifnum": 1,
        "snmp-server": {
            "trap-source": 0
        },
        "uuid": "84e94c46-6082-11d9-9a56-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/loopback/1"
    }
}
```

Get List

GET

/axapi/v3/interface/loopback

loopback-list

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

```
PUT /axapi/v3/interface/loopback/1
Payload:
{
    "loopback": {
        "ifnum": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/loopback

loopback-list

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

```
DELETE /axapi/v3/interface/loopback/1/ip/ospf/ospf-ip/3.3.3.3
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

loopback-list

loopback-list is **JSON List** of *loopback attributes*

loopback-list : [

{ *loopback attributes* },

{ *loopback attributes* },

...

]

loopback attributes

ifnum

Description Loopback interface number

Type: number

Format: interface

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/isis*

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

snmp-server

Description: snmp-server is a **JSON Block**. Please see below for *snmp-server*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

snmp-server

Specification	
Type	*object*

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Specification	
Type	*object*

address-list

Type: List

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/router/isis*

ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6

Specification	
Type	*object*

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-list

Specification	
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

operational data

	Counter	Size	Description
	ipv6_list		ipv6_list
	line_protocol	string	line_protocol
	ipv4-netmask	ipv4-netmask	IP subnet mask
	ipv6-link-local	ipv6-address	ipv6-link-local
	ipv4_addr_count	number	ipv4_addr_count
	ipv4_list		ipv4_list
	state	string	state
	ipv6-link-local-type	string	ipv6-link-local-type
	ipv6-link-local-scope	string	ipv6-link-local-scope
	ipv6_addr_count	number	ipv6_addr_count
	ipv4-address	ipv4-address	IP address
	ipv6-link-local-prefix	string	ipv6-link-local-prefix

2.47.48 interface loopback ip

Global IP configuration subcommands

ip Specification

Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/loopback/1/ip
Payload:
{
    "ip": {
        "address-list": [
            {
                "ipv4-address": "3.3.3.3",
                "ipv4-netmask": "255.255.0.0"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/loopback/1/ip
Reponse:
{
    "ip": {
        "address-list": [
            {
                "ipv4-address": "3.3.3.3",
                "ipv4-netmask": "255.255.0.0"
            }
        ],
        "uuid": "e74edc24-6083-11d9-9a56-001fa00680a0",
```

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```
        "a10-url": "/axapi/v3/interface/loopback/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/loopback/1/ip
Payload:
{
    "ip": {
        "address-list": [
            {
                "ipv4-address": "3.3.3.4",
                "ipv4-netmask": "255.255.255.0"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/loopback/1/ip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ip attributes

address-list

Type: List

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/router/isis*

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.49 interface loopback ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/loopback/1/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "2e70efec-6085-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/loopback/1/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/loopback/1/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.50 interface loopback ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/loopback/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/loopback/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "priority": 1,
```

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```
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "567989a8-6086-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/loopback/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
DELETE /axapi/v3/interface/loopback/1/ip/ospf/ospf-global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.51 interface loopback ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.47.52 interface loopback ip rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/loopback/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/loopback/1/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
```

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```
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "34303a24-6089-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/loopback/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/loopback/1/ip/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.47.53 interface loopback ip router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/router

router_attributes

```
GET /axapi/v3/interface/loopback/1/ip/router
Reponse:
{
    "router": {
        "isis": {
            "tag": "a",
            "uuid": "8a968dfe-608a-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/loopback/1/ip/router/isis"
```

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```
        },
        "a10-url": "/axapi/v3/interface/loopback/1/ip/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ip/router/isis*

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.54 interface loopback ip router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/loopback/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/loopback/1/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "e5874964-608b-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/loopback/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/loopback/1/ip/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.55 interface loopback ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/loopback/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ripng": {
                "rip": 1
            }
        },
        "address-list": [
            {
                "ipv6-addr": "2003::1/64",
                "anycast": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/loopback/1/ipv6
Reponse:
{
    "ipv6": {
        "address-list": [
            {
                "ipv6-addr": "2003::1/64",
                "anycast": 1,
                "link-local": 0
            }
        ],
        "ipv6-enable": 0,
        "uuid": "2d9c52d4-608d-11d9-9a56-001fa00680a0",
        "router": {
            "ripng": {
                "rip": 1,
                "uuid": "2d9c820e-608d-11d9-9a56-001fa00680a0",
                "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/ripng"
            },
            "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router"
        },
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ospf": {
                "area-list": [
                    {
                        "area-id-num": 1,
                        "instance-id": 1
                    }
                ]
            }
        },
        "address-list": [
            {
                "ipv6-addr": "2003::2/64",
                "anycast": 0
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6 attributes

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.56 interface loopback ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/ospf
Payload:
{
    "ospf": {
        "bfd": 1,
        "disable": 1
```

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```
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/ospf
Reponse:
{
    "ospf": {
        "bfd": 1,
        "disable": 1,
        "uuid": "85f66b9e-608e-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/ospf
Payload:
{
    "ospf": {
        "bfd": 1,
        "disable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/ospf
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.57 interface loopback ipv6 rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
```

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```
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/rip
Reponse:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "9d3eb648-608f-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "disable"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

2.47.58 interface loopback ipv6 router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/router

router_attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/router
Reponse:
{
    "router": {
        "ripng": {
            "rip": 1,
            "uuid": "8ba7600a-6090-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/ripng"
        },
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Refernce Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng*

ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.59 interface loopback ipv6 router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "efbea124-6091-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.60 interface loopback ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
```

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```
        "uuid": "15af0832-6093-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/router/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.47.61 interface loopback ipv6 router ripng

ripng

ripng Specification

Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "87b2d3b8-6094-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/router/ripng
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.62 interface loopback isis

ISIS

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/loopback/{ifnum}/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

```
POST /axapi/v3/interface/loopback/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

```
GET /axapi/v3/interface/loopback/1/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
```

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```
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "8f433e3c-6095-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/loopback/1/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

```
PUT /axapi/v3/interface/loopback/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

```
DELETE /axapi/v3/interface/loopback/1/isis
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.47.63 interface management

Management interface

management Specification

Type	*Configuration Resource*
Element Name	management
Element URI	/axapi/v3/interface/management
Element Attributes	management_attributes
Statistics Data URI	/axapi/v3/interface/management/stats
Operational Data URI	/axapi/v3/interface/management/oper
Schema	`management schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management

management attributes

Get Object

GET

/axapi/v3/interface/management

management attributes

Modify Object

POST

/axapi/v3/interface/management

management attributes

Replace Object

PUT

/axapi/v3/interface/management

management attributes

management attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable Management Port; 'disable': Disable Management Port;

Type: string

Supported Values: enable, disable

broadcast-rate-limit

Description: broadcast-rate-limit is a **JSON Block**. Please see below for *broadcast-rate-limit*

Type: Object

duplexity

Description 'Full': Full; 'Half': Half; 'auto': Auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

ipv6

Type: List

lldp

Description: lldp is a **JSON Block**. Please see below for *lldp*

Type: Object

Refernce Object: */axapi/v3/interface/management/lldp*

sampling-enable

Type: List

secondary-ip

Description: secondary-ip is a **JSON Block**. Please see below for *secondary-ip*

Type: Object

speed

Description '10': 10 Mbs/sec; '100': 100 Mbs/sec; '1000': 1 Gb/sec; 'auto': Auto Negotiate Speed; (Interface Speed)

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp

Specification	
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *lldp_enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *lldp_notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *lldp_tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *lldp_tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_tx-dot1-cfg

Specification	
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_notification-cfg

Specification	
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_tx-tlvs-cfg

Specification	
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_enable-cfg

Specification	
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

broadcast-rate-limit

Specification	
Type	*object*

bcast-rate-limit-enable

Description Rate limit the l2 broadcast packet on mgmt port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate

Description packets per second. Default is 500. (packets per second. Please specify an even number. Default is 500)

Type: number

Range: 50-5000

Default: 500

ipv6

Specification	
Type	*list*
Block object keys	

address-type

Description 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: link-local

default-ipv6-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv6-address

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

secondary-ip

Specification	
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dhcp and ipv4-address are mutually exclusive

ipv4-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address and dhcp are mutually exclusive

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

secondary-ip

Description Global IP configuration subcommands

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'input_err_short': Runts; 'input_err_long': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted broadcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, input_err_short, input_err_long, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions

ip

Specification	
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dhcp and ipv4-address are mutually exclusive

ipv4-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address and dhcp are mutually exclusive

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

stats data

	Counter	Size	Description
	transmit-ted_multicasts	8	Transmitted multicasts
	re-ceived_broadcasts	8	Received broadcasts
	in-put_err_short	8	Runts
	re-ceived_multicasts	8	Received multicasts
	pack-ets_input	8	Input packets
	transmit-ted_unicasts	8	Transmitted unicasts
	in-put_err_long	8	Giants
	crc	8	CRC
	pack-ets_output	8	Output packets
	re-ceived_unicasts	8	Received unicasts
	bytes_output	8	Output bytes
	collisions	8	Collisions
	input_errors	8	Input errors
	bytes_input	8	Input bytes
	transmit-ted_broadcasts	8	Transmitted broadcasts
	frame	8	Frames
	output_errors	8	Output errors

operational data

	Counter	Size	Description
	ipv4_acl	string	ipv4_acl
	ipv6-prefix	string	ipv6-prefix
	line_protocol	string	line_protocol
	duplexity	string	duplexity
	ipv6-link-local	ipv6-address	ipv6-link-local
	ipv4-addr	ipv4-address	IP address
	ipv6-addr	ipv6-address	ipv6-addr
	mac	mac-address	mac
	mtu	number	mtu
	ipv6_acl	string	ipv6_acl
	state	number	state
	flow_control	number	flow_control
	interface	string	interface
	ipv4-default-gateway	string	IP gateway address
	ipv6-default-gateway	string	ipv6-default-gateway
	dhcp_enabled	number	dhcp_enabled
	speed	string	speed
	ipv6-link-local-prefix	string	ipv6-link-local-prefix
	link_type	enum	Output contains one of the following values: - GigabitEthernet, 10Gig, 40Gig
	ipv4-mask	ipv4-netmask	IP subnet mask

2.47.64 interface management lldp

Interface lldp configuration

lldp Specification

Type	*Configuration Resource*
Element Name	lldp
Element URI	/axapi/v3/interface/management/lldp
Element Attributes	lldp_attributes
Schema	`lldp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management/lldp

lldp attributes

```
POST /axapi/v3/interface/management/lldp
Payload:
{
    "lldp": {
        "enable-cfg": {
            "rt-enable": 1,
            "rx": 1,
            "tx": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/management/lldp

lldp attributes

```
GET /axapi/v3/interface/management/lldp
Reponse:
{
    "lldp": {
        "enable-cfg": {
            "rt-enable": 1,
            "rx": 1,
            "tx": 1
        },
        "notification-cfg": {
            "notification": 0
        },
        "tx-dot1-cfg": {
            "tx-dot1-tlvs": 0
        },
        "tx-tlvs-cfg": {
            "tx-tlvs": 0
        },
        "uuid": "efbc58a6-6096-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/management/lldp"
    }
}
```

Modify Object

POST

/axapi/v3/interface/management/lldp

lldp attributes

Replace Object

PUT

/axapi/v3/interface/management/lldp

lldp attributes

Delete Object

DELETE

/axapi/v3/interface/management/lldp

lldp attributes

```
DELETE /axapi/v3/interface/management/lldp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lldp attributes

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tx-dot1-cfg

Specification	
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification-cfg

Specification	
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs-cfg

Specification	
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-cfg

Specification	
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.47.65 interface trunk

Trunk interface

trunk Specification

Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*trunk-list*
Collection URI	/axapi/v3/interface/trunk
Element Name	trunk
Element URI	/axapi/v3/interface/trunk/{ifnum}
Element Attributes	trunk_attributes
Statistics Data URI	/axapi/v3/interface/trunk/{ifnum}/stats
Operational Data URI	/axapi/v3/interface/trunk/{ifnum}/oper
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk

trunk attributes

```
POST /axapi/v3/interface/trunk/
Payload:
{
    "trunk": {
        "ifnum": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/trunk

trunk attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

```
GET /axapi/v3/interface/trunk/1
Reponse:
{
    "trunk": {
        "ifnum": 1,
        "l3-vlan-fwd-disable": 0,
        "mtu": 1500,
        "trap-source": 0,
        "action": "enable",
        "virtual-wire": 0,
        "uuid": "5be5e03a-609a-11d9-9a56-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/trunk/1"
    }
}
```

Get List

GET

/axapi/v3/interface/trunk

trunk-list

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

```
PUT /axapi/v3/interface/trunk/1
Payload:
{
    "trunk": {
        "ifnum": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/trunk

trunk-list

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

```
DELETE /axapi/v3/interface/trunk/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

trunk-list

trunk-list is **JSON List** of *trunk attributes*

trunk-list : [

{ *trunk attributes* },

{ *trunk attributes* },

...

]

trunk attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/bfd*

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ddos*

do-auto-recovery

Description (Only for LACP trunks) Attempt auto-recovery after ports-treshold is triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *icmpv6-rate-limit*

Type: Object

ifnum

Description Trunk interface number

Type: number

Range: 1-4096

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/isis*

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *lw-4o6*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/lw-4o6*

mac-learning

Description 'enable': Enable MAC learning; 'disable': Disable MAC learning; 'dmac-only': Enable destination MAC learning only;

Type: string

Supported Values: enable, disable, dmac-only

map

Description: map is a **JSON Block**. Please see below for *map*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *nptv6*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/nptv6*

ports-threshold

Description Threshold for the minimum number of ports that need to be UP for the trunk to remain UP

Type: number

sampling-enable

Type: List

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *spanning-tree*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/spanning-tree*

sync-modify-disable

Description Disable SYNC bit modify for ports-threshold do-auto-recovery

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timer

Description Timer to re-check the threshold under certain conditions (Time in seconds (Default: 10))

Type: number

Range: 1-300

Default: 10

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update-l2-info

Description Update and use received L2 information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-hw-hash

Description Enable HW based load balacing decision rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire

Description Mark trunk as a virtual wire interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan-learning

Description 'enable': Enable VLAN learning; 'disable': Disable VLAN learning;

Type: string

Supported Values: enable, disable

map

Specification	
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

nat

Description: nat is a **JSON Block**. Please see below for *ip_nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf*

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ip_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ip_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_nat

Specification	
Type	*object*

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/router/isis*

ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ddos

Specification	
Type	*object*

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

bfd

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': num_pkts; 'num_total_bytes': num_total_bytes; 'num_unicast_pkts': num_unicast_pkts; 'num_broadcast_pkts': num_broadcast_pkts; 'num_multicast_pkts': num_multicast_pkts; 'num_tx_pkts': num_tx_pkts; 'num_total_tx_bytes': num_total_tx_bytes; 'num_unicast_tx_pkts': num_unicast_tx_pkts; 'num_broadcast_tx_pkts': num_broadcast_tx_pkts; 'num_multicast_tx_pkts': num_multicast_tx_pkts; 'dropped_dis_rx_pkts': dropped_dis_rx_pkts; 'dropped_rx_pkts': dropped_rx_pkts; 'dropped_dis_tx_pkts': dropped_dis_tx_pkts; 'dropped_tx_pkts': dropped_tx_pkts;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, dropped_dis_rx_pkts, dropped_rx_pkts, dropped_dis_tx_pkts, dropped_tx_pkts

ipv6

Specification	
Type	*object*

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *ipv6_access-list-cfg*

Type: Object

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat

Description: nat is a **JSON Block**. Please see below for *ipv6_nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ipv6_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ipv6_router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

hop-limit

Description Set Router Advertisement Hop Limit (default: 255) (Max Router Advertisement Interval (seconds))

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Min Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Max Number of Router Solicitations to process per second)

Type: number

Range: 3-1350

Default: 200

mtu

Description: mtu is a **JSON Block**. Please see below for *ipv6_router-adver_mtu*

Type: Object

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

vrid

Description: vrid is a **JSON Block**. Please see below for *ipv6_router-adver_vrid*

Type: Object

ipv6_router-adver_vrid

Specification	
Type	*object*

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

ipv6_router-adver_mtu

Specification	
Type	*object*

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ipv6_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_nat

Specification	
Type	*object*

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_access-list-cfg

Specification	
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

spanning-tree

Specification	
Type	*object*

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

nptv6

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

nptv6_domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

icmpv6-rate-limit

Specification	
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

lw-4o6

Specification	
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate-limit

Specification	
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

stats data

	Counter	Size	Description
	num_tx_pkts	8	num_tx_pkts
	dropped_dis_tx_pkts	8	dropped_dis_tx_pkts
	num_total_tx_bytes	8	num_total_tx_bytes
	num_multicast_pkts	8	num_multicast_pkts
	num_unicast_pkts	8	num_unicast_pkts
	num_broadcast_tx_pkts	8	num_broadcast_tx_pkts
	num_broadcast_pkts	8	num_broadcast_pkts
	num_multicast_tx_pkts	8	num_multicast_tx_pkts
	num_unicast_tx_pkts	8	num_unicast_tx_pkts
	dropped_rx_pkts	8	dropped_rx_pkts
	num_total_bytes	8	num_total_bytes
	num_pkts	8	num_pkts
	dropped_dis_rx_pkts	8	dropped_dis_rx_pkts
	dropped_tx_pkts	8	dropped_tx_pkts

operational data

	Counter	Size	Description
	ip_unnumbered_oper	number	ip_unnumbered_oper
	icmp6-rate-over-limit-drop	number	icmp6-rate-over-limit-drop
	ipv6-link-local-type	string	ipv6-link-local-type
	vlan-id	number	vlan-id
	trunk-member		trunk-member
	ipv4-address	ipv4-address	IP address
	ipv4_list		ipv4_list
	icmp6-rate-limit-current	number	icmp6-rate-limit-current
	ip_unnumbered_peer_lla	ipv6-address	ip_unnumbered_peer_lla
	ipv4-netmask	ipv4-netmask	IP subnet mask
	state	enum	Output contains one of the following values: - up, disabled, down
	Address	mac-address	Address
	line-protocol	enum	Output contains one of the following values: - up, down
	ip_unnumbered_mac_learned	mac-address	ip_unnumbered_mac_learned
	ipv4_addr_count	number	ipv4_addr_count
	ipv6-link-local-scope	string	ipv6-link-local-scope
	icmp-rate-over-limit-drop	number	icmp-rate-over-limit-drop
	ipv6_list		ipv6_list
	ipv6-link-local	ipv6-address	ipv6-link-local
	Hardware	enum	Output contains one of the following values: - TrunkGroup
	icmp-rate-limit-current	number	icmp-rate-limit-current
	igmp-query-sent	number	igmp-query-sent
	ipv6_addr_count	number	ipv6_addr_count
	ip_unnumbered_enabled	enabled	ip_unnumbered_enabled
	ipv6-link-local-prefix	string	ipv6-link-local-prefix

2.47.66 interface trunk bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/interface/trunk/{ifnum}/bfd
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

```
POST /axapi/v3/interface/trunk/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "md5",
            "key-id": 0,
            "password": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

```
GET /axapi/v3/interface/trunk/1/bfd
Reponse:
{
    "bfd": {
        "authentication": {
            "key-id": 0,
            "method": "md5",
            "encrypted": "XXXXX"
        },
        "echo": 0,
        "uuid": "704beab4-609b-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/bfd"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

```
PUT /axapi/v3/interface/trunk/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "meticulous-md5",
            "key-id": 1,
            "password": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

```
DELETE /axapi/v3/interface/trunk/1/bfd
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bfd attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 3-50

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

2.47.67 interface trunk ip

Global IP configuration subcommands

ip Specification

Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/trunk/1/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1
        },
        "dhcp": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/trunk/1/ip
Reponse:
{
    "ip": {
        "dhcp": 1,
        "allow-promiscuous-vip": 0,
        "client": 0,
        "server": 0,
        "cache-spoofing-port": 0,
        "nat": {
            "inside": 0,
            "outside": 0
        },
        "ttl-ignore": 0,
        "syn-cookie": 0,
        "slb-partition-redirect": 0,
        "generate-membership-query": 0,
        "uuid": "4e588dc6-609c-11d9-9a56-001fa00680a0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "4e589ba4-609c-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/trunk/1/ip/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/trunk/1/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abcd"
        },
        "dhcp": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/trunk/1/ip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ip attributes

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf*

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

nat

Specification	
Type	*object*

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/router/isis*

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.68 interface trunk ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/trunk/1/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
```

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```
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "network": {
                "broadcast": 0
            },
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "ffff937e-609e-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/trunk/1/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.69 interface trunk ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/trunk/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/trunk/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "e14fe270-609f-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/trunk/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
DELETE /axapi/v3/interface/trunk/1/ip/ospf/ospf-global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.70 interface trunk ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.47.71 interface trunk ip rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/trunk/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/trunk/1/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "d1b68f56-60a1-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/trunk/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/trunk/1/ip/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.47.72 interface trunk ip router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ip/router/isis*

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.73 interface trunk ip router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/trunk/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/trunk/1/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "29a60a88-60a3-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/trunk/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/trunk/1/ip/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.74 interface trunk ip stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall
Element Attributes	stateful-firewall_attributes
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/trunk/1/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/trunk/1/ip/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "9ce51b74-60a3-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ip/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/trunk/1/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
DELETE /axapi/v3/interface/trunk/1/ip/stateful-firewall
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.75 interface trunk ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/trunk/1/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
            "inside": 1
        },
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/trunk/1/ipv6
Reponse:
{
    "ipv6": {
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ],
        "ipv6-enable": 0,
        "nat": {
            "inside": 0,
            "outside": 0
        },
        "ttl-ignore": 0,
        "router-adver": {
            "action": "disable",
            "default-lifetime": 1800,
            "hop-limit": 255,
            "max-interval": 600,
            "min-interval": 200,
            "rate-limit": 100000,
            "reachable-time": 0,
            "retransmit-timer": 0,
            "mtu": {
                "adver-mtu-disable": 1
            },
            "managed-config-action": "disable",
            "other-config-action": "disable",
            "vrid": {
                "adver-vrid-default": 0
            }
        },
        "uuid": "f0f30ac2-60a4-11d9-9a56-001fa00680a0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "f0f32070-60a4-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/trunk/1/ipv6/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abc"
        },
        "address-list": [
            {
                "ipv6-addr": "fe80::2/64",
                "address-type": "link-local"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6 attributes

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *access-list-cfg*

Type: Object

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

hop-limit

Description Set Router Advertisement Hop Limit (default: 255) (Max Router Advertisement Interval (seconds))

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Min Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Max Number of Router Solicitations to process per second)

Type: number

Range: 3-1350

Default: 200

mtu

Description: mtu is a **JSON Block**. Please see below for *router-adver_mtu*

Type: Object

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

vrid

Description: vrid is a **JSON Block**. Please see below for *router-adver_vrid*

Type: Object

router-adver_vrid

Specification	
Type	*object*

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

router-adver_mtu

Specification	
Type	*object*

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat

Specification	
Type	*object*

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

access-list-cfg

Specification	
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.76 interface trunk ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/ospf
Reponse:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint",
                "p2mp-nbma": 0,
                "network-instance-id": 0
            }
        ],
        "bfd": 0,
        "uuid": "e26e23d0-60a7-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.77 interface trunk ipv6 rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/rip
Reponse:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "37109084-60a9-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "disable"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

2.47.78 interface trunk ipv6 router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/router

router_attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/router
Reponse:
{
    "router": {
        "ripng": {
            "rip": 1,
            "uuid": "4547876a-60aa-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router/ripng"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng*

ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.79 interface trunk ipv6 router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "9ede0ea2-60aa-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.80 interface trunk ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
        "uuid": "0deccbbc-60ab-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
```

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```
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/router/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.47.81 interface trunk ipv6 router ripng

ripng

ripng Specification

Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "7be75588-60ab-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/router/ripng
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.82 interface trunk ipv6 stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall
Element Attributes	stateful-firewall_attributes
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "ec65eb94-60ab-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/stateful-firewall
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.83 interface trunk isis

ISIS

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/trunk/{ifnum}/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

```
POST /axapi/v3/interface/trunk/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

```
GET /axapi/v3/interface/trunk/1/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
```

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```
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "3446de18-60ad-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

```
PUT /axapi/v3/interface/trunk/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

```
DELETE /axapi/v3/interface/trunk/1/isis
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.47.84 interface trunk lw-4o6

Configure LW-4over6 interface

lw-4o6 Specification

Type	*Configuration Resource*
Element Name	lw-4o6
Element URI	/axapi/v3/interface/trunk/{ifnum}/lw-4o6
Element Attributes	lw-4o6_attributes
Schema	`lw-4o6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

```
POST /axapi/v3/interface/trunk/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

```
GET /axapi/v3/interface/trunk/1/lw-4o6
Reponse:
{
    "lw-4o6": {
        "outside": 1,
        "inside": 0,
        "uuid": "f3b2bbd2-60ad-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/trunk/1/lw-4o6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

```
PUT /axapi/v3/interface/trunk/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

```
DELETE /axapi/v3/interface/trunk/1/lw-4o6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lw-4o6 attributes

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.85 interface trunk map

Configure MAP on this interface

map Specification

Type	*Configuration Resource*
Element Name	map
Element URI	/axapi/v3/interface/trunk/{ifnum}/map
Element Attributes	map_attributes
Schema	`map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

map attributes

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.86 interface trunk nptv6

Configure NPTv6 on this interface

nptv6 Specification

Type	*Intermediate Resource*
Element Name	nptv6
Element URI	/axapi/v3/interface/trunk/{ifnum}/nptv6
Element Attributes	nptv6_attributes
Schema	`nptv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/nptv6

nptv6_attributes

nptv6 attributes

domain-list

Type: List

Refernce Object: */axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.87 interface trunk nptv6 domain

Apply NPTv6 translation domain on interface

domain Specification

Type	*Collection*
Object Key(s)	*domain-name, bind-type*
Collection Name	*domain-list*
Collection URI	/axapi/v3/interface/trunk/{ifnum}/nptv6/domain
Element Name	domain
Element URI	/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}
Element Attributes	domain_attributes
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain

domain attributes

Create List

POST

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain

domain attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Get List

GET

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain

domain-list

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace List

PUT

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain

domain-list

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.88 interface trunk spanning-tree

help Spanning tree port configuration

spanning-tree Specification

Type	*Configuration Resource*
Element Name	spanning-tree
Element URI	/axapi/v3/interface/trunk/{ifnum}/spanning-tree
Element Attributes	spanning-tree_attributes
Schema	`spanning-tree schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

spanning-tree attributes

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

2.47.89 interface tunnel

Tunnel interface

tunnel Specification

Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*tunnel-list*
Collection URI	/axapi/v3/interface/tunnel
Element Name	tunnel
Element URI	/axapi/v3/interface/tunnel/{ifnum}
Element Attributes	tunnel_attributes
Statistics Data URI	/axapi/v3/interface/tunnel/{ifnum}/stats
Operational Data URI	/axapi/v3/interface/tunnel/{ifnum}/oper
Schema	`tunnel schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel

tunnel attributes

```
POST /axapi/v3/interface/tunnel/
Payload:
{
    "tunnel": {
        "ifnum": 1,
        "user-tag": "a",
        "mtu": 1000
    }
}
```

Create List

POST

/axapi/v3/interface/tunnel

tunnel attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

```
GET /axapi/v3/interface/tunnel/1
Reponse:
```

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```
{
    "tunnel": {
        "ifnum": 1,
        "mtu": 1000,
        "action": "enable",
        "speed": 10,
        "load-interval": 300,
        "uuid": "db249674-60af-11d9-9a56-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/tunnel/1"
    }
}
```

Get List

GET

/axapi/v3/interface/tunnel

tunnel-list

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

```
PUT /axapi/v3/interface/tunnel/1
Payload:
{
    "tunnel": {
        "ifnum": 1,
        "user-tag": "abcd",
        "mtu": 1000
    }
}
```

Replace List

PUT

/axapi/v3/interface/tunnel

tunnel-list

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

```
DELETE /axapi/v3/interface/tunnel/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tunnel-list

tunnel-list is **JSON List** of *tunnel attributes*

tunnel-list : [

{ *tunnel attributes* },

{ *tunnel attributes* },

...

]

tunnel attributes

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

ifnum

Description Tunnel interface number

Type: number

Range: 1-128

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6*

load-interval

Description Configure Load Interval (Seconds (5-300, Multiple of 5), default 300)

Type: number

Range: 5-300

Default: 300

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

speed

Description Speed in Gbit/Sec (Default 10 Gbps)

Type: number

Range: 1-200

Default: 10

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *ip_address*

Type: Object

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query-val

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

max-resp-time

Description Max Response Time (Default is 100)

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/rip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

ip_address

Specification	
Type	*object*

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-cfg

Type: List

ip_address_ip-cfg

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num-rx-pkts': received packets; 'num-total-rx-bytes': received bytes; 'num-tx-pkts': sent packets; 'num-total-tx-bytes': sent bytes; 'num-rx-err-pkts': received error packets; 'num-tx-err-pkts': sent error packets; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec;

Type: string

Supported Values: all, num-rx-pkts, num-total-rx-bytes, num-tx-pkts, num-total-tx-bytes, num-rx-err-pkts, num-tx-err-pkts, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd

ipv6

Specification	
Type	*object*

address-cfg

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router

Specification	
Type	*object*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_address-cfg

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

stats data

	Counter	Size	Description
	num-tx-err-pkts	8	sent error packets
	rate_pkt_rcvd	8	Packet received rate packets/sec
	num-rx-err-pkts	8	received error packets
	num-total-rx-bytes	8	received bytes
	rate_byte_sent	8	Byte sent rate bits/sec
	rate_byte_rcvd	8	Byte received rate bits/sec
	rate_pkt_sent	8	Packet sent rate packets/sec
	num-tx-pkts	8	sent packets
	num-total-tx-bytes	8	sent bytes
	num-rx-pkts	8	received packets

operational data

	Counter	Size	Description
	config-speed	number	config-speed
	ipv6_list		ipv6_list
	ipv4-netmask	ipv4-netmask	IPv4 subnet mask
	ipv6-link-local	ipv6-address	ipv6-link-local
	link-type	string	link-type
	state	enum	Output contains one of the following values: - up, disabled, down
	ipv6-link-local-prefix	string	ipv6-link-local-prefix
	ipv4_addr_count	number	ipv4_addr_count
	mac	mac-address	mac
	ipv6-link-local-type	string	ipv6-link-local-type
	ipv6-link-local-scope	string	ipv6-link-local-scope
	ipv6_addr_count	number	ipv6_addr_count
	line-protocol	enum	Output contains one of the following values: - up, down
	ipv4-address	ipv4-address	IPv4 address
	ipv4_list		ipv4_list

2.47.90 interface tunnel ip

Global IP configuration subcommands

ip Specification

Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/tunnel/1/ip
Payload:
```

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```
{
    "ip": {
        "rip": {
            "authentication": {
                "str": {
                    "string": "a"
                }
            }
        },
        "address": {
            "ip-cfg": [
                {
                    "ipv4-address": "3.3.3.3",
                    "ipv4-netmask": "255.255.0.0"
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/tunnel/1/ip
Reponse:
{
    "ip": {
        "address": {
            "ip-cfg": [
                {
                    "ipv4-address": "3.3.3.3",
                    "ipv4-netmask": "255.255.0.0"
                }
            ]
        },
        "generate-membership-query": 0,
        "uuid": "610a05b2-60b0-11d9-9a56-001fa00680a0",
        "rip": {
            "authentication": {
                "str": {
                    "string": "a"
                },
                "mode": {
                    "mode": "text"
                }
            },
            "send-packet": 1,
            "receive-packet": 1,
            "send-cfg": {
                "send": 0
            },
            "receive-cfg": {
```

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```
                "receive": 0
            },
            "split-horizon-cfg": {
                "state": "poisoned"
            },
            "uuid": "610b1b64-60b0-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/tunnel/1/ip/rip"
        },
        "a10-url": "/axapi/v3/interface/tunnel/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/tunnel/1/ip
Payload:
{
    "ip": {
        "rip": {
            "authentication": {
                "mode": {
                    "mode": "text"
                }
            }
        },
        "address": {
            "ip-cfg": [
                {
                    "ipv4-address": "3.3.3.4",
                    "ipv4-netmask": "255.255.255.0"
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/tunnel/1/ip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ip attributes

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query-val

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

max-resp-time

Description Max Response Time (Default is 100)

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/rip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

address

Specification	
Type	*object*

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-cfg

Type: List

address_ip-cfg

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.91 interface tunnel ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf

ospf_attributes

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.92 interface tunnel ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/tunnel/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/tunnel/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
```

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```
        "uuid": "e2a50a4a-60b0-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/tunnel/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/tunnel/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
DELETE /axapi/v3/interface/tunnel/1/ip/ospf/ospf-global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.93 interface tunnel ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.47.94 interface tunnel ip rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

2.47.95 interface tunnel ip router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/router

router_attributes

router attributes

2.47.96 interface tunnel ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/tunnel/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ripng": {
                "rip": 1
            }
        },
        "address-cfg": [
            {
                "ipv6-addr": "2003::1/64",
                "address-type": "anycast"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/tunnel/1/ipv6
Reponse:
{
    "ipv6": {
```

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```
        "address-cfg": [
            {
                "ipv6-addr": "2003::1/64",
                "address-type": "anycast"
            }
        ],
        "ipv6-enable": 0,
        "uuid": "5553c53a-60b2-11d9-9a56-001fa00680a0",
        "router": {
            "ripng": {
                "rip": 1,
                "uuid": "5553f3ca-60b2-11d9-9a56-001fa00680a0",
                "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/router/ripng"
            },
            "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/router"
        },
        "a10-url": "/axapi/v3/interface/tunnel/1/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/tunnel/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ospf": {
                "area-list": [
                    {
                        "area-id-num": 1,
                        "instance-id": 1
                    }
                ]
            }
        },
        "address-cfg": [
            {
                "ipv6-addr": "2003::2/64"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/tunnel/1/ipv6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6 attributes

address-cfg

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router

Specification	
Type	*object*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-cfg

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.97 interface tunnel ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.98 interface tunnel ipv6 router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router

router_attributes

router attributes

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Refernce Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng*

ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.47.99 interface tunnel ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.47.100 interface tunnel ipv6 router ripng

ripng

ripng Specification

Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.101 interface ve

Virtual ethernet interface

ve Specification

Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*ve-list*
Collection URI	/axapi/v3/interface/ve
Element Name	ve
Element URI	/axapi/v3/interface/ve/{ifnum}
Element Attributes	ve_attributes
Statistics Data URI	/axapi/v3/interface/ve/{ifnum}/stats
Operational Data URI	/axapi/v3/interface/ve/{ifnum}/oper
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve

ve attributes

```
POST /axapi/v3/interface/ve/
Payload:
{
    "ve": {
        "ifnum": 2,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/ve

ve attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}

ve attributes

```
GET /axapi/v3/interface/ve/2
Reponse:
{
    "ve": {
        "ifnum": 2,
        "port-scan-detection": "disable",
        "ping-sweep-detection": "disable",
        "l3-vlan-fwd-disable": 0,
        "mtu": 1500,
        "trap-source": 0,
        "action": "enable",
        "uuid": "a9fa26e6-60b3-11d9-9a56-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/ve/2"
    }
}
```

Get List

GET

/axapi/v3/interface/ve

ve-list

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}

ve attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}

ve attributes

```
PUT /axapi/v3/interface/ve/2
Payload:
{
    "ve": {
        "ifnum": 2,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/ve

ve-list

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}

ve attributes

```
DELETE /axapi/v3/interface/ve/2
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/bfd*

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ddos*

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *icmpv6-rate-limit*

Type: Object

ifnum

Description Virtual ethernet interface number

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/isis*

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs for incoming packets on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *lw-4o6*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/lw-4o6*

map

Description: map is a **JSON Block**. Please see below for *map*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *nptv6*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/nptv6*

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

sampling-enable

Type: List

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ip_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/router/isis*

ip_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ip_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ddos

Specification	
Type	*object*

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

bfd

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': Input packets; 'num_total_bytes': Input bytes; 'num_unicast_pkts': Received unicasts; 'num_broadcast_pkts': Received braodcasts; 'num_multicast_pkts': Received multicasts; 'num_tx_pkts': Transmitted packtes; 'num_total_tx_bytes': Transmitte bytes; 'num_unicast_tx_pkts': Trasnmitted unicasts; 'num_broadcast_tx_pkts': Transmitted broadcasts; 'num_multicast_tx_pkts': Transmitted multicasts; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec; 'load_interval': Load Interval;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd, load_interval

ipv6

Specification	
Type	*object*

address-list

Type: List

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/ospf*

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ipv6_stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ipv6_address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ipv6_rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ipv6_stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

map

Specification	
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nptv6

Specification	
Type	*object*

domain-list

Type: List

Refernce Object: */axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

nptv6_domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

icmpv6-rate-limit

Specification	
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

lw-4o6

Specification	
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate-limit

Specification	
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

stats data

	Counter	Size	Description
	num_tx_pkts	8	Transmitted packtes
	rate_byte_rcvd	8	Byte received rate bits/sec
	num_total_tx_bytes	8	Transmitte bytes
	rate_pkt_rcvd	8	Packet received rate packets/sec
	num_multicast_pkts	8	Received multicasts
	num_unicast_pkts	8	Received unicasts
	num_broadcast_tx_pkts	8	Transmitted broadcasts
	num_broadcast_pkts	8	Received braodcasts
	num_multicast_tx_pkts	8	Transmitted multicasts
	rate_byte_sent	8	Byte sent rate bits/sec
	num_unicast_tx_pkts	8	Trasnmitted unicasts
	num_total_bytes	8	Input bytes
	load_interval	8	Load Interval
	num_pkts	8	Input packets
	rate_pkt_sent	8	Packet sent rate packets/sec

operational data

	Counter	Size	Description
	ip_unnumbered_oper	number	ip_unnumbered_oper
	icmp6-rate-over-limit-drop	number	icmp6-rate-over-limit-drop
	ipv6-link-local-type	string	ipv6-link-local-type
	ip_unnumbered_peer_lla	ipv6-address	ip_unnumbered_peer_lla
	line_protocol	enum	Output contains one of the following values: - up, down
	ipv4-address	ipv4-address	IP address
	ipv4_list		ipv4_list
	user-trunk-id	number	user-trunk-id
	ipv4-netmask	ipv4-netmask	IP subnet mask
	state	enum	Output contains one of the following values: - up, disabled, down
	link_type	string	link_type
	ip_unnumbered_mac_learned	mac-address	ip_unnumbered_mac_learned
	ipv4_addr_count	number	ipv4_addr_count
	ipv6-link-local-scope	string	ipv6-link-local-scope
	icmp-rate-over-limit-drop	number	icmp-rate-over-limit-drop
	ipv6_list		ipv6_list
	ipv6-link-local	ipv6-address	ipv6-link-local
	mac	mac-address	mac
	icmp6-rate-limit-current	number	icmp6-rate-limit-current
	icmp-rate-limit-current	number	icmp-rate-limit-current
	igmp-query-sent	number	igmp-query-sent
	ipv6_addr_count	number	ipv6_addr_count
	ip_unnumbered_enabled	number	ip_unnumbered_enabled
	ipv6-link-local-prefix	string	ipv6-link-local-prefix

2.47.102 interface ve bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/interface/ve/{ifnum}/bfd
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

```
POST /axapi/v3/interface/ve/2/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "md5",
            "key-id": 0,
            "password": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

```
GET /axapi/v3/interface/ve/2/bfd
Reponse:
{
    "bfd": {
        "authentication": {
            "key-id": 0,
            "method": "md5",
            "encrypted": "XXXXX"
        },
        "echo": 0,
        "uuid": "0f5025cc-60b4-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/bfd"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

```
PUT /axapi/v3/interface/ve/2/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "meticulous-md5",
            "key-id": 1,
            "password": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

```
DELETE /axapi/v3/interface/ve/2/bfd
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bfd attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

2.47.103 interface ve ip

Global IP configuration subcommands

ip Specification

Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/ve/{ifnum}/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/ve/2/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1
        },
        "dhcp": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/ve/2/ip
Reponse:
{
    "ip": {
        "dhcp": 1,
        "allow-promiscuous-vip": 0,
        "client": 0,
        "server": 0,
        "inside": 0,
        "outside": 0,
        "ttl-ignore": 0,
        "syn-cookie": 0,
        "slb-partition-redirect": 0,
        "generate-membership-query": 0,
        "uuid": "3414d5a6-60b4-11d9-9a56-001fa00680a0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "3414e35c-60b4-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/ve/2/ip/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/ve/2/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/ve/2/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abcd"
        },
        "dhcp": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/ve/2/ip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ip attributes

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/router/isis*

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

helper-address-list

Specification	
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ospf

Specification	
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.104 interface ve ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/ve/2/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "network": {
                "broadcast": 0
            },
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "14777bd0-60b5-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/ve/2/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/ve/2/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.105 interface ve ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/ve/2/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/ve/2/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
```

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```
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "2ac7324a-60b5-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/ve/2/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
DELETE /axapi/v3/interface/ve/2/ip/ospf/ospf-global
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcastnon-broadcast, point-to-point and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcastbroadcast, point-to-point and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipointbroadcast, non-broadcast and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-pointbroadcast, non-broadcast and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.47.106 interface ve ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.47.107 interface ve ip rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/ve/2/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/ve/2/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "e184008a-60b5-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/ve/2/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/ve/2/ip/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.47.108 interface ve ip router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ip/router/isis*

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.109 interface ve ip router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/ve/2/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/ve/2/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "3bfeeba6-60b6-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/ve/2/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/ve/2/ip/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.110 interface ve ip stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall
Element Attributes	stateful-firewall_attributes
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/ve/2/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/ve/2/ip/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "54c2da94-60b6-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ip/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/ve/2/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
DELETE /axapi/v3/interface/ve/2/ip/stateful-firewall
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.111 interface ve ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/ve/2/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
            "inside": 1
        },
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/ve/2/ipv6
Reponse:
{
    "ipv6": {
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ],
        "ipv6-enable": 0,
        "inside": 0,
        "outside": 0,
        "ttl-ignore": 0,
        "router-adver": {
            "action": "disable",
            "default-lifetime": 1800,
            "hop-limit": 255,
            "max-interval": 600,
            "min-interval": 200,
            "rate-limit": 100000,
            "reachable-time": 0,
            "retransmit-timer": 0,
            "adver-mtu-disable": 1,
            "managed-config-action": "disable",
            "other-config-action": "disable",
            "adver-vrid-default": 0
        },
        "uuid": "7b99326c-60b6-11d9-9a56-001fa00680a0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "7b994a9a-60b6-11d9-9a56-001fa00680a0",
            "a10-url": "/axapi/v3/interface/ve/2/ipv6/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/ve/2/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/ve/2/ipv6
Payload:
{
```

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```
    "ipv6": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abcd"
        },
        "address-list": [
            {
                "ipv6-addr": "fe80::1/64",
                "address-type": "link-local"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6 attributes

address-list

Type: List

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/ospf*

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

address-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

rip

Specification	
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

stateful-firewall

Specification	
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

router-adver

Specification	
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-adver_prefix-list

Specification	
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

2.47.112 interface ve ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/ve/2/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/ve/2/ipv6/ospf
Reponse:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint",
                "p2mp-nbma": 0,
                "network-instance-id": 0
            }
        ],
        "bfd": 0,
```

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```
        "uuid": "b0b31fe2-60b8-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.47.113 interface ve ipv6 rip

RIP

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

```
POST /axapi/v3/interface/ve/2/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

```
GET /axapi/v3/interface/ve/2/ipv6/rip
Reponse:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "2434a10c-60b9-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "disable"
```

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```
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

split-horizon-cfg

Specification	
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

2.47.114 interface ve ipv6 router

Router

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Refernce Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng*

ripng

Specification	
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.115 interface ve ipv6 router isis

IS-IS Routing for IP

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/ve/2/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/ve/2/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "75bc7d88-60b9-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/router/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.116 interface ve ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/ve/2/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/ve/2/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
```

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```
        "uuid": "8bba08f8-60b9-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/router/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.47.117 interface ve ipv6 router ripng

ripng

ripng Specification

Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/ve/2/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/ve/2/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "bd0a6e7a-60b9-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/router/ripng
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.118 interface ve ipv6 stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall
Element Attributes	stateful-firewall_attributes
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/ve/2/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/ve/2/ipv6/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "d5c30030-60b9-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/stateful-firewall
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.119 interface ve isis

ISIS

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ve/{ifnum}/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

```
POST /axapi/v3/interface/ve/2/isis
Payload:
{
```

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```
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

```
GET /axapi/v3/interface/ve/2/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "04ccb858-60ba-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

```
PUT /axapi/v3/interface/ve/2/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

```
DELETE /axapi/v3/interface/ve/2/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.47.120 interface ve lw-4o6

Configure LW-4over6 interface

lw-4o6 Specification

Type	*Configuration Resource*
Element Name	lw-4o6
Element URI	/axapi/v3/interface/ve/{ifnum}/lw-4o6
Element Attributes	lw-4o6_attributes
Schema	`lw-4o6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

```
POST /axapi/v3/interface/ve/2/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

```
GET /axapi/v3/interface/ve/2/lw-4o6
Reponse:
{
    "lw-4o6": {
        "outside": 1,
        "inside": 0,
        "uuid": "881ffe54-60ba-11d9-9a56-001fa00680a0",
        "a10-url": "/axapi/v3/interface/ve/2/lw-4o6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

```
PUT /axapi/v3/interface/ve/2/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

```
DELETE /axapi/v3/interface/ve/2/lw-4o6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lw-4o6 attributes

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.121 interface ve map

Configure MAP on this interface

map Specification

Type	*Configuration Resource*
Element Name	map
Element URI	/axapi/v3/interface/ve/{ifnum}/map
Element Attributes	map_attributes
Schema	`map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/map

map attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/map

map attributes

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/map

map attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/map

map attributes

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/map

map attributes

map attributes

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.122 interface ve nptv6

Configure NPTv6 on this interface

nptv6 Specification

Type	*Intermediate Resource*
Element Name	nptv6
Element URI	/axapi/v3/interface/ve/{ifnum}/nptv6
Element Attributes	nptv6_attributes
Schema	`nptv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/nptv6

nptv6_attributes

nptv6 attributes

domain-list

Type: List

Refernce Object: */axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

domain-list

Specification	
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.47.123 interface ve nptv6 domain

Apply NPTv6 translation domain on interface

domain Specification

Type	*Collection*
Object Key(s)	*domain-name, bind-type*
Collection Name	*domain-list*
Collection URI	/axapi/v3/interface/ve/{ifnum}/nptv6/domain
Element Name	domain
Element URI	/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}
Element Attributes	domain_attributes
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/nptv6/domain

domain attributes

Create List

POST

/axapi/v3/interface/ve/{ifnum}/nptv6/domain

domain attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Get List

GET

/axapi/v3/interface/ve/{ifnum}/nptv6/domain

domain-list

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace List

PUT

/axapi/v3/interface/ve/{ifnum}/nptv6/domain

domain-list

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48 ip

Objects:

2.48.1 ip

Global IP configuration subcommands

ip Specification

Type	*Intermediate Resource*
Element Name	ip
Element URI	/axapi/v3/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip

ip_attributes

ip attributes

access-list-list

Type: List

Refernce Object: */axapi/v3/ip/access-list/{name}*

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

Refernce Object: */axapi/v3/ip/address*

anomaly-drop

Description: anomaly-drop is a **JSON Block**. Please see below for *anomaly-drop*

Type: Object

Refernce Object: */axapi/v3/ip/anomaly-drop*

app-protocol-port

Description: app-protocol-port is a **JSON Block**. Please see below for *app-protocol-port*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port*

as-path-list

Type: List

Refernce Object: */axapi/v3/ip/as-path/{access-list}+{action}+{value}*

community-list

Description: community-list is a **JSON Block**. Please see below for *community-list*

Type: Object

Refernce Object: */axapi/v3/ip/community-list*

default-gateway

Description: default-gateway is a **JSON Block**. Please see below for *default-gateway*

Type: Object

Refernce Object: */axapi/v3/ip/default-gateway*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Refernce Object: */axapi/v3/ip/dns*

extcommunity-list

Description: extcommunity-list is a **JSON Block**. Please see below for *extcommunity-list*

Type: Object

Refernce Object: */axapi/v3/ip/extcommunity-list*

fib

Description: fib is a **JSON Block**. Please see below for *fib*

Type: Object

Refernce Object: */axapi/v3/ip/fib*

fib-summary

Description: fib-summary is a **JSON Block**. Please see below for *fib-summary*

Type: Object

Refernce Object: */axapi/v3/ip/fib-summary*

frag

Description: frag is a **JSON Block**. Please see below for *frag*

Type: Object

Refernce Object: */axapi/v3/ip/frag*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Refernce Object: */axapi/v3/ip/icmp*

map-list-list

Type: List

Refernce Object: */axapi/v3/ip/map-list/{name}*

mgmt-traffic-list

Type: List

Refernce Object: */axapi/v3/ip/mgmt-traffic/{traffic-type}*

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

Refernce Object: */axapi/v3/ip/nat*

nat-global

Description: nat-global is a **JSON Block**. Please see below for *nat-global*

Type: Object

Refernce Object: */axapi/v3/ip/nat-global*

prefix-list-list

Type: List

Refernce Object: */axapi/v3/ip/prefix-list/{name}*

reroute

Description: reroute is a **JSON Block**. Please see below for *reroute*

Type: Object

Refernce Object: */axapi/v3/ip/reroute*

rib

Description: rib is a **JSON Block**. Please see below for *rib*

Type: Object

Refernce Object: */axapi/v3/ip/rib*

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

Refernce Object: */axapi/v3/ip/route*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/ip/tcp*

unnumbered

Description: unnumbered is a **JSON Block**. Please see below for *unnumbered*

Type: Object

Refernce Object: */axapi/v3/ip/unnumbered*

fib-summary

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *tcp_syn-cookie*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_syn-cookie

Specification	
Type	*object*

sack-enable

Description Enable HW Syn-Cookie SACK support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description SYN cookie expire threshold (seconds (default is 4))

Type: number

Range: 1-100

Default: 4

mgmt-traffic-list

Specification	
Type	*list*
Block object keys	

source-interface

Description: source-interface is a **JSON Block**. Please see below for *mgmt-traffic-list_source-interface*

Type: Object

traffic-type

Description 'all': All; 'ftp': FTP; 'ntp': NTP; 'rcp': RCP; 'snmp': SNMP; 'ssh': SSH and SCP; 'syslog': SYSLOG; 'telnet': Telnet; 'tftp': TFTP; 'web': Web - HTTP and HTTPS;

Type: string

Supported Values: all, ftp, ntp, snmp-trap, ssh, syslog, telnet, tftp, web

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mgmt-traffic-list_source-interface

Specification	
Type	*object*

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

app-protocol-port

Specification	
Type	*object*

monitor

Description: monitor is a **JSON Block**. Please see below for *app-protocol-port_monitor*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/monitor*

tcp

Description: tcp is a **JSON Block**. Please see below for *app-protocol-port_tcp*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *app-protocol-port_udp*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp*

app-protocol-port_udp

Specification	
Type	*object*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *app-protocol-port_udp_passthrough*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *app-protocol-port_udp_port*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port*

app-protocol-port_udp_passthrough

Specification	
Type	*object*

disable

Description Disable global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_udp_port

Specification	
Type	*object*

add-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}*

disable-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}*

app-protocol-port_udp_port_add-list

Specification	
Type	*list*
Block object keys	

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_udp_port_add-list_app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-protocol-port_udp_port_add-list_app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_udp_port_add-list_app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-protocol-port_udp_port_add-list_app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-protocol-port_udp_port_add-list_app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

app-protocol-port_udp_port_disable-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-protocol-port_udp_port_disable-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_udp_port_disable-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-protocol-port_udp_port_disable-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-protocol-port_udp_port_disable-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

app-protocol-port_monitor

Specification	
Type	*object*

disable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp

Specification	
Type	*object*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *app-protocol-port_tcp_passthrough*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *app-protocol-port_tcp_port*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port*

app-protocol-port_tcp_passthrough

Specification	
Type	*object*

disable

Description Disable passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp_port

Specification	
Type	*object*

add-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}*

disable-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}*

app-protocol-port_tcp_port_add-list

Specification	
Type	*list*
Block object keys	

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp_port_add-list_app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-protocol-port_tcp_port_add-list_app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp_port_add-list_app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-protocol-port_tcp_port_add-list_app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-protocol-port_tcp_port_add-list_app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

app-protocol-port_tcp_port_disable-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-protocol-port_tcp_port_disable-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp_port_disable-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-protocol-port_tcp_port_disable-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-protocol-port_tcp_port_disable-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

rib

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list

Specification	
Type	*object*

expanded-list

Type: List

Refernce Object: */axapi/v3/ip/extcommunity-list/expanded/{expanded}*

expanded-num-list

Type: List

Refernce Object: */axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Refernce Object: */axapi/v3/ip/extcommunity-list/standard/{standard}*

standard-num-list

Type: List

Refernce Object: */axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}*

extcommunity-list_expanded-num-list

Specification	
Type	*list*
Block object keys	

ext-list-num

Description Extended Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list_expanded-num-list_rules-list

Specification	
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

extcommunity-list_expanded-list

Specification	
Type	*list*
Block object keys	

expanded

Description Add an expanded extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list_expanded-list_rules-list

Specification	
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

extcommunity-list_standard-num-list

Specification	
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Extended Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list_standard-num-list_rules-list

Specification	
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

extcommunity-list_standard-list

Specification	
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list_standard-list_rules-list

Specification	
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

icmp

Specification	
Type	*object*

redirect

Description Disable outbound ICMP redirect messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unreachable

Description Disable outbound ICMP unreachable messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

anomaly-drop

Specification	
Type	*object*

bad-content

Description bad content threshold (threshold value)

Type: number

Range: 1-127

drop-all

Description drop all IP anomaly packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frag

Description drop all fragmented packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-option

Description drop packets with IP options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-attack

Description drop IP packets with the same source and destination addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-sequence

Description out of sequence packet threshold (threshold value)

Type: number

Range: 1-127

packet-deformity

Description: packet-deformity is a **JSON Block**. Please see below for *anomaly-drop_packet-deformity*

Type: Object

ping-of-death

Description drop oversize ICMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

security-attack

Description: security-attack is a **JSON Block**. Please see below for *anomaly-drop_security-attack*

Type: Object

tcp-no-flag

Description drop TCP packets with no flag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-fin

Description drop TCP packets with both syn and fin flags set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description drop fragmented TCP packets with syn flag set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zero-window

Description zero window size threshold (threshold value)

Type: number

Range: 1-127

anomaly-drop_security-attack

Specification	
Type	*object*

security-attack-layer-3

Description drop packets with layer 3 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

security-attack-layer-4

Description drop packets with layer 4 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

anomaly-drop_packet-deformity

Specification	
Type	*object*

packet-deformity-layer-3

Description drop packets with layer 3 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-deformity-layer-4

Description drop packets with layer 4 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

anomaly-drop_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'land': land; 'emp_frg': emp_frg; 'emp_mic_frg': emp_mic_frg; 'opt': opt; 'frg': frg; 'bad_ip_hdrlen': bad_ip_hdrlen; 'bad_ip_flg': bad_ip_flg; 'bad_ip_ttl': bad_ip_ttl; 'no_ip_payload': no_ip_payload; 'over_ip_payload': over_ip_payload; 'bad_ip_payload_len': bad_ip_payload_len; 'bad_ip_frg_offset': bad_ip_frg_offset; 'csum': csum; 'pod': pod; 'bad_tcp_urg_offset': bad_tcp_urg_offset; 'tcp_sht_hdr': tcp_sht_hdr; 'tcp_bad_iplen': tcp_bad_iplen; 'tcp_null_frg': tcp_null_frg; 'tcp_null_scan': tcp_null_scan; 'tcp_syn_fin': tcp_syn_fin; 'tcp_xmas': tcp_xmas; 'tcp_xmas_scan': tcp_xmas_scan; 'tcp_syn_frg': tcp_syn_frg; 'tcp_frg_hdr': tcp_frg_hdr; 'tcp_bad_csum': tcp_bad_csum; 'udp_srt_hdr': udp_srt_hdr; 'udp_bad_len': udp_bad_len; 'udp_kerb_frg': udp_kerb_frg; 'udp_port_lb': udp_port_lb; 'udp_bad_csum': udp_bad_csum; 'runt_ip_hdr': runt_ip_hdr; 'runt_tcp_udp_hdr': runt_tcp_udp_hdr; 'ipip_tnl_msmtch': ipip_tnl_msmtch; 'tcp_opt_err': tcp_opt_err; 'ipip_tnl_err': ipip_tnl_err; 'vxlan_err': vxlan_err; 'nvgre_err': nvgre_err; 'gre_pptp_err': gre_pptp_err;

Type: string

Supported Values: all, land, emp_frg, emp_mic_frg, opt, frg, bad_ip_hdrlen, bad_ip_flg, bad_ip_ttl, no_ip_payload, over_ip_payload, bad_ip_payload_len, bad_ip_frg_offset, csum, pod, bad_tcp_urg_offset, tcp_sht_hdr, tcp_bad_iplen, tcp_null_frg, tcp_null_scan, tcp_syn_fin, tcp_xmas, tcp_xmas_scan, tcp_syn_frg, tcp_frg_hdr, tcp_bad_csum, udp_srt_hdr, udp_bad_len, udp_kerb_frg, udp_port_lb, udp_bad_csum, runt_ip_hdr, runt_tcp_udp_hdr, ipip_tnl_msmtch, tcp_opt_err, ipip_tnl_err, vxlan_err, nvgre_err, gre_pptp_err

community-list

Specification	
Type	*object*

expanded-list

Type: List

Refernce Object: */axapi/v3/ip/community-list/expanded/{expanded}*

expanded-num-list

Type: List

Refernce Object: */axapi/v3/ip/community-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Refernce Object: */axapi/v3/ip/community-list/standard/{standard}*

standard-num-list

Type: List

Refernce Object: */axapi/v3/ip/community-list/standard-num/{std-list-num}*

community-list_expanded-num-list

Specification	
Type	*list*
Block object keys	

ext-list-num

Description Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list_expanded-num-list_rules-list

Specification	
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

community-list_expanded-list

Specification	
Type	*list*
Block object keys	

expanded

Description Add an expanded community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list_expanded-list_rules-list

Specification	
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

community-list_standard-num-list

Specification	
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list_standard-num-list_rules-list

Specification	
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

community-list_standard-list

Specification	
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list_standard-list_rules-list

Specification	
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

fib

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

default-gateway

Specification	
Type	*object*

gateway-ip

Description Default gateway address

Type: string

Format: ipv4-address

Refernce Object: */axapi/v3/ip/address*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat

Specification	
Type	*object*

alg

Description: alg is a **JSON Block**. Please see below for *nat_alg*

Type: Object

Refernce Object: */axapi/v3/ip/nat/alg*

icmp

Description: icmp is a **JSON Block**. Please see below for *nat_icmp*

Type: Object

Refernce Object: */axapi/v3/ip/nat/icmp*

inside

Description: inside is a **JSON Block**. Please see below for *nat_inside*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside*

nat-global

Description: nat-global is a **JSON Block**. Please see below for *nat_nat-global*

Type: Object

Refernce Object: */axapi/v3/ip/nat/nat-global*

pool-group-list

Type: List

Refernce Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Refernce Object: */axapi/v3/ip/nat/pool/{pool-name}*

range-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/range-list/{name}*

template

Description: template is a **JSON Block**. Please see below for *nat_template*

Type: Object

Refernce Object: */axapi/v3/ip/nat/template*

translation

Description: translation is a **JSON Block**. Please see below for *nat_translation*

Type: Object

Refernce Object: */axapi/v3/ip/nat/translation*

nat_range-list-list

Specification	
Type	*list*
Block object keys	

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

global-start-ipv6-addr

Description Global Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ipv6-addr

Description Local Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

name

Description Name for this Static List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-acl-id

Description Access list ID

Type: number

Range: 1-199

v4-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

v6-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v6-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v6-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

nat_alg

Specification	
Type	*object*

pptp

Description: pptp is a **JSON Block**. Please see below for *nat_alg_pptp*

Type: Object

Refernce Object: */axapi/v3/ip/nat/alg/pptp*

nat_alg_pptp

Specification	
Type	*object*

pptp

Description 'disable': Disable PPTP NAT ALG; 'enable': Enable PPTP NAT ALG;

Type: string

Supported Values: disable, enable

Default: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current-smp-sessions': current-smp-sessions; 'current-gre-sessions': current-gre-sessions; 'smp-session-creation-failure': smp-session-creation-failure; 'truncated-pns-message': truncated-pns-message; 'truncated-pac-message': truncated-pac-message; 'mismatched-pns-call-id': mismatched-pns-call-id; 'mismatched-pac-call-id': mismatched-pac-call-id; 'retransmitted-pns-message': retransmitted-pns-message;

'retransmitted-pac-message': retransmitted-pac-message; 'truncated-gre-packet': truncated-gre-packet; 'unknown-gre-version': unknown-gre-version; 'no-matching-gre-session': no-matching-gre-session;

Type: string

Supported Values: all, current-smp-sessions, current-gre-sessions, smp-session-creation-failure, truncated-pns-message, truncated-pac-message, mismatched-pns-call-id, mismatched-pac-call-id, retransmitted-pns-message, retransmitted-pac-message, truncated-gre-packet, unknown-gre-version, no-matching-gre-session

nat_pool-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

nat_pool-group-list_member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_nat-global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_nat-global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cross_cpu_helper_created': Cross CPU Helper Created; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper Standby; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found;

Type: string

Supported Values: all, cross_cpu_helper_created, cross_cpu_helper_free, cross_cpu_sent, cross_cpu_rcv, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_cpu_mismatch, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_deleted, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found

nat_template

Specification	
Type	*object*

logging-list

Type: List

Refernce Object: */axapi/v3/ip/nat/template/logging/{name}*

nat_template_logging-list

Specification	
Type	*list*
Block object keys	

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-rip-rport

Description Include the IP and port of real server in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *nat_template_logging-list_log*

Type: Object

name

Description NAT logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

severity

Description: severity is a **JSON Block**. Please see below for *nat_template_logging-list_severity*

Type: Object

source-port

Description: source-port is a **JSON Block**. Please see below for *nat_template_logging-list_source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_template_logging-list_severity

Specification	
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

nat_template_logging-list_log

Specification	
Type	*object*

port-mappings

Description 'creation': Log creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable

nat_template_logging-list_source-port

Specification	
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

nat_translation

Specification	
Type	*object*

icmp-timeout

Description: icmp-timeout is a **JSON Block**. Please see below for *nat_translation_icmp-timeout*

Type: Object

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-timeout-list

Type: List

Refernce Object: */axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}*

tcp-timeout

Description TCP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

udp-timeout

Description UDP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_translation_service-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-type

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_translation_icmp-timeout

Specification	
Type	*object*

icmp-timeout

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

Default: fast

icmp-timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

nat_icmp

Specification	
Type	*object*

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *nat_inside_source*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source*

nat_inside_source

Specification	
Type	*object*

class-list

Description: class-list is a **JSON Block**. Please see below for *nat_inside_source_class-list*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source/class-list*

list

Description: list is a **JSON Block**. Please see below for *nat_inside_source_list*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source/list*

static-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}*

nat_inside_source_static-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

nat_inside_source_list

Specification	
Type	*object*

acl-id-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

nat_inside_source_list_acl-id-list-list

Specification	
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside_source_list_acl-name-list-list

Specification	
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside_source_class-list

Specification	
Type	*object*

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_pool-list

Specification	
Type	*list*
Block object keys	

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface

Type: number

Format: interface

gateway

Description Configure gateway IP

Type: string

Format: ipv4-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

Mutual Exclusion: start-address and use-if-ip are mutually exclusive

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip and start-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

prefix-list-list

Specification	
Type	*list*
Block object keys	

name

Description Name of a prefix list

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-list-list_rules

Specification	
Type	*list*
Block object keys	

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

any

Description Any prefix match. Same as "0.0.0.0/0 le 32"

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Prefix-list specific description (Up to 80 characters describing this prefix-list)

Type: string

Maximum Length: 80 characters

Maximum Length: 1 characters

ge

Description Minimum prefix length to be matched

Type: number

Range: 0-32

ipaddr

Description IP prefix, e.g., 35.0.0.0/8

Type: string

Format: ipv4-cidr

le

Description Maximum prefix length to be matched

Type: number

Range: 0-32

seq

Description Sequence number of an entry

Type: number

Range: 1-4294967295

frag

Specification	
Type	*object*

buff

Description Max buff used for fragmentation (Buffer Value(10000-3000000))

Type: number

Range: 10000-3000000

cpu-threshold

Description: cpu-threshold is a **JSON Block**. Please see below for *frag_cpu-threshold*

Type: Object

max-packets-per-reassembly

Description Max number of fragmented packets allowed per reassembly(0 is unlimited) (default 0)

Type: number

Range: 2-16

max-reassembly-sessions

Description Max number of pending reassembly sessions allowed (default 100000)

Type: number

Range: 1-200000

sampling-enable

Type: List

timeout

Description Fragmentation timeout (in milliseconds 4 - 16000 (default is 1000))

Type: number

Range: 4-65535

Default: 60000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

frag_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory;

'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

frag_cpu-threshold

Specification	
Type	*object*

high

Description When CPU usage reaches this value, it will stop processing fragments (default: 75%)

Type: number

Range: 0-100

Default: 75

low

Description When CPU usage remains under this value, it will resume processing fragments (default: 60%)

Type: number

Range: 0-100

Default: 60

dns

Specification	
Type	*object*

primary

Description: primary is a **JSON Block**. Please see below for *dns_primary*

Type: Object

Refernce Object: */axapi/v3/ip/dns/primary*

secondary

Description: secondary is a **JSON Block**. Please see below for *dns_secondary*

Type: Object

Refernce Object: */axapi/v3/ip/dns/secondary*

suffix

Description: suffix is a **JSON Block**. Please see below for *dns_suffix*

Type: Object

Refernce Object: */axapi/v3/ip/dns/suffix*

dns_suffix

Specification	
Type	*object*

domain-name

Description DNS suffix

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_primary

Specification	
Type	*object*

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_secondary

Specification	
Type	*object*

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list-list

Specification	
Type	*list*
Block object keys	

name

Description IP Access List Name. Does not support name as digits or start with digit.

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

rules

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list-list_rules

Specification	
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code icmp-code and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type icmp-type and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-anydst-host, dst-subnet and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eqdst-gt, dst-lt and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gtdst-eq, dst-lt and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: dst-hostdst-any, dst-subnet and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-ltdst-eq, dst-gt and dst-range are mutually exclusive

dst-mask

Description Destination Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

dst-object-group

Description Destination network object group name (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-groupdst-any, dst-host and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-rangedst-eq, dst-gt and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv4-address

Mutual Exclusion: dst-subnetdst-any, dst-host and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description Specify geo-location name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmptcp, udp, ip and service-obj-group are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code any-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type any-type and special-type are mutually exclusive

ip

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipicmp, tcp, udp and service-obj-group are mutually exclusive

remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-num

Description Sequence Number

Type: number

Range: 1-8192

service-obj-group

Description Service object group (Source object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-groupicmp, tcp, udp and ip are mutually exclusive

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code any-code and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type icmp-type and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-anysrc-host, src-subnet and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eqsrc-gt, src-lt and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gtsrc-eq, src-lt and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: src-hostsrc-any, src-subnet and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-ltsrc-eq, src-gt and src-range are mutually exclusive

src-mask

Description Source Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

src-object-group

Description Network object group (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-groupsrc-any, src-host and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-rangesrc-eq, src-gt and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv4-address

Mutual Exclusion: src-subnetsrc-any, src-host and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcpicmp, udp, ip and service-obj-group are mutually exclusive

transparent-session-only

Description Only log transparent sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udpicmp, tcp, ip and service-obj-group are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

map-list-list

Specification	
Type	*list*
Block object keys	

file

Description Create/Edit a IP Map List stored as a file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mapping-list

Type: List

name

Description Specify name of the IP Map List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map-list-list_mapping-list

Specification	
Type	*list*
Block object keys	

count

Description Number of addresses to be translated in this range

Type: number

Range: 1-16777216

global-start-ip

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ip

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

address

Specification	
Type	*object*

ip-addr

Description IP address

Type: string

Format: ipv4-address

ip-mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unnumbered

Specification	
Type	*object*

use-source-ip

Description: use-source-ip is a **JSON Block**. Please see below for *unnumbered_use-source-ip*

Type: Object

Refernce Object: */axapi/v3/ip/unnumbered/use-source-ip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unnumbered_use-source-ip

Specification	
Type	*object*

update-source-ip

Description IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

as-path-list

Specification	
Type	*list*
Block object keys	

access-list

Description Specify an access list name (Regular expression access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description A regular-expression to match the BGP AS paths

Type: string

Format: string-rlx

route

Specification	
Type	*object*

rib-list

Type: List

Refernce Object: */axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}*

static

Description: static is a **JSON Block**. Please see below for *route_static*

Type: Object

Refernce Object: */axapi/v3/ip/route/static*

route_rib-list

Specification	
Type	*list*
Block object keys	

ip-dest-addr

Description Destination prefix

Type: string

Format: ipv4-address

ip-mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask-brief

ip-nexthop-ipv4

Type: List

ip-nexthop-lif

Type: List

ip-nexthop-partition

Type: List

ip-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_rib-list_ip-nexthop-lif

Specification	
Type	*list*
Block object keys	

description-nexthop-lif

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lif

Description LIF Interface (Logical tunnel interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

route_rib-list_ip-nexthop-ipv4

Specification	
Type	*list*
Block object keys	

description-nexthop-ip

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-ip

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop

Description Forwarding router's address

Type: string

Format: ipv4-address

route_rib-list_ip-nexthop-tunnel

Specification	
Type	*list*
Block object keys	

description-nexthop-tunnel

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop-tunnel

Description Forwarding router's address

Type: string

Format: ipv4-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

route_rib-list_ip-nexthop-partition

Specification	
Type	*list*
Block object keys	

description-nexthop-partition

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

description-partition-vrid

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition-name

Description Name of network partition

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

vrid-num-in-partition

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

route_static

Specification	
Type	*object*

bfd-list

Type: List

Refernce Object: */axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}*

route_static_bfd-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ip

Description Local IP address

Type: string

Format: ipv4-address

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-global

Specification	
Type	*object*

reset-idle-tcp-conn

Description Reset Idle TCP Connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reroute

Specification	
Type	*object*

suppress-protocols

Description: suppress-protocols is a **JSON Block**. Please see below for *reroute_suppress-protocols*

Type: Object

Refernce Object: */axapi/v3/ip/reroute/suppress-protocols*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reroute_suppress-protocols

Specification	
Type	*object*

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.2 ip access-list

Configure Access List

access-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*access-list-list*
Collection URI	/axapi/v3/ip/access-list
Element Name	access-list
Element URI	/axapi/v3/ip/access-list/{name}
Element Attributes	access-list_attributes
Schema	`access-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/access-list

access-list attributes

Create List

POST

/axapi/v3/ip/access-list

access-list attributes

Get Object

GET

/axapi/v3/ip/access-list/{name}

access-list attributes

Get List

GET

/axapi/v3/ip/access-list

access-list-list

Modify Object

POST

/axapi/v3/ip/access-list/{name}

access-list attributes

Replace Object

PUT

/axapi/v3/ip/access-list/{name}

access-list attributes

Replace List

PUT

/axapi/v3/ip/access-list

access-list-list

Delete Object

DELETE

/axapi/v3/ip/access-list/{name}

access-list attributes

access-list-list

access-list-list is **JSON List** of *access-list attributes*

access-list-list : [

{ *access-list attributes* },

{ *access-list attributes* },

...

]

access-list attributes

name

Description IP Access List Name. Does not support name as digits or start with digit.

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

rules

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code icmp-code and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type icmp-type and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-anydst-host, dst-subnet and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eqdst-gt, dst-lt and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gtdst-eq, dst-lt and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: dst-hostdst-any, dst-subnet and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-ltdst-eq, dst-gt and dst-range are mutually exclusive

dst-mask

Description Destination Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

dst-object-group

Description Destination network object group name (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-groupdst-any, dst-host and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-rangedst-eq, dst-gt and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv4-address

Mutual Exclusion: dst-subnetdst-any, dst-host and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description Specify geo-location name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmptcp, udp, ip and service-obj-group are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code any-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type any-type and special-type are mutually exclusive

ip

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipicmp, tcp, udp and service-obj-group are mutually exclusive

remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-num

Description Sequence Number

Type: number

Range: 1-8192

service-obj-group

Description Service object group (Source object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-groupicmp, tcp, udp and ip are mutually exclusive

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code any-code and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type icmp-type and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-anysrc-host, src-subnet and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eqsrc-gt, src-lt and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gtsrc-eq, src-lt and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: src-hostsrc-any, src-subnet and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-ltsrc-eq, src-gt and src-range are mutually exclusive

src-mask

Description Source Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

src-object-group

Description Network object group (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-groupsrc-any, src-host and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-rangesrc-eq, src-gt and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv4-address

Mutual Exclusion: src-subnetsrc-any, src-host and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcpicmp, udp, ip and service-obj-group are mutually exclusive

transparent-session-only

Description Only log transparent sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udpicmp, tcp, ip and service-obj-group are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

2.48.3 ip address

Transparent mode IP Address

address Specification

Type	*Configuration Resource*
Element Name	address
Element URI	/axapi/v3/ip/address
Element Attributes	address_attributes
Schema	`address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/address

address attributes

```
POST /axapi/v3/ip/address
Payload:
{
    "address": {
        "ip-addr": "3.3.3.3",
        "ip-mask": "255.255.0.0"
    }
}
```

Get Object

GET

/axapi/v3/ip/address

address attributes

```
GET /axapi/v3/ip/address
Reponse:
{
    "address": {
        "ip-addr": "3.3.3.3",
        "ip-mask": "255.255.0.0",
        "uuid": "035485c4-60be-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/address"
    }
}
```

Modify Object

POST

/axapi/v3/ip/address

address attributes

Replace Object

PUT

/axapi/v3/ip/address

address attributes

```
PUT /axapi/v3/ip/address
Payload:
{
    "address": {
        "ip-addr": "3.3.3.3",
        "ip-mask": "255.255.0.0"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/address

address attributes

```
DELETE /axapi/v3/ip/address
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

address attributes

ip-addr

Description IP address

Type: string

Format: ipv4-address

ip-mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.4 ip anomaly-drop

Set IP anomaly drop policy

anomaly-drop Specification

Type	*Configuration Resource*
Element Name	anomaly-drop
Element URI	/axapi/v3/ip/anomaly-drop
Element Attributes	anomaly-drop_attributes
Statistics Data URI	/axapi/v3/ip/anomaly-drop/stats
Schema	`anomaly-drop schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

```
POST /axapi/v3/ip/anomaly-drop
Payload:
{
    "anomaly-drop": {
        "packet-deformity": {
            "packet-deformity-layer-3": 1
```

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```
        }
    }
}
```

Get Object

GET

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

```
GET /axapi/v3/ip/anomaly-drop
Reponse:
{
    "anomaly-drop": {
        "packet-deformity": {
            "packet-deformity-layer-3": 1,
            "packet-deformity-layer-4": 0
        },
        "security-attack": {
            "security-attack-layer-3": 0,
            "security-attack-layer-4": 0
        },
        "drop-all": 0,
        "frag": 0,
        "ip-option": 0,
        "land-attack": 0,
        "ping-of-death": 0,
        "tcp-no-flag": 0,
        "tcp-syn-fin": 0,
        "tcp-syn-frag": 0,
        "uuid": "587c5144-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/ip/anomaly-drop"
    }
}
```

Modify Object

POST

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

Replace Object

PUT

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

```
PUT /axapi/v3/ip/anomaly-drop
Payload:
{
    "anomaly-drop": {
        "packet-deformity": {
```

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```
            "packet-deformity-layer-3": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

```
DELETE /axapi/v3/ip/anomaly-drop
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

anomaly-drop attributes

bad-content

Description bad content threshold (threshold value)

Type: number

Range: 1-127

drop-all

Description drop all IP anomaly packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frag

Description drop all fragmented packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-option

Description drop packets with IP options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-attack

Description drop IP packets with the same source and destination addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-sequence

Description out of sequence packet threshold (threshold value)

Type: number

Range: 1-127

packet-deformity

Description: packet-deformity is a **JSON Block**. Please see below for *packet-deformity*

Type: Object

ping-of-death

Description drop oversize ICMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

security-attack

Description: security-attack is a **JSON Block**. Please see below for *security-attack*

Type: Object

tcp-no-flag

Description drop TCP packets with no flag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-fin

Description drop TCP packets with both syn and fin flags set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description drop fragmented TCP packets with syn flag set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zero-window

Description zero window size threshold (threshold value)

Type: number

Range: 1-127

security-attack

Specification	
Type	*object*

security-attack-layer-3

Description drop packets with layer 3 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

security-attack-layer-4

Description drop packets with layer 4 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-deformity

Specification	
Type	*object*

packet-deformity-layer-3

Description drop packets with layer 3 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-deformity-layer-4

Description drop packets with layer 4 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'land': land; 'emp_frg': emp_frg; 'emp_mic_frg': emp_mic_frg; 'opt': opt; 'frg': frg; 'bad_ip_hdrlen': bad_ip_hdrlen; 'bad_ip_flg': bad_ip_flg; 'bad_ip_ttl': bad_ip_ttl; 'no_ip_payload': no_ip_payload; 'over_ip_payload': over_ip_payload; 'bad_ip_payload_len': bad_ip_payload_len; 'bad_ip_frg_offset': bad_ip_frg_offset; 'csum': csum; 'pod': pod; 'bad_tcp_urg_offset': bad_tcp_urg_offset; 'tcp_sht_hdr': tcp_sht_hdr; 'tcp_bad_iplen': tcp_bad_iplen; 'tcp_null_frg': tcp_null_frg; 'tcp_null_scan': tcp_null_scan; 'tcp_syn_fin': tcp_syn_fin; 'tcp_xmas': tcp_xmas; 'tcp_xmas_scan': tcp_xmas_scan; 'tcp_syn_frg': tcp_syn_frg; 'tcp_frg_hdr': tcp_frg_hdr; 'tcp_bad_csum': tcp_bad_csum; 'udp_srt_hdr': udp_srt_hdr; 'udp_bad_len': udp_bad_len; 'udp_kerb_frg': udp_kerb_frg; 'udp_port_lb': udp_port_lb; 'udp_bad_csum': udp_bad_csum; 'runt_ip_hdr': runt_ip_hdr; 'runt_tcp_udp_hdr': runt_tcp_udp_hdr; 'ipip_tnl_msmtch': ipip_tnl_msmtch; 'tcp_opt_err': tcp_opt_err; 'ipip_tnl_err': ipip_tnl_err; 'vxlan_err': vxlan_err; 'nvgre_err': nvgre_err; 'gre_pptp_err': gre_pptp_err;

Type: string

Supported Values: all, land, emp_frg, emp_mic_frg, opt, frg, bad_ip_hdrlen, bad_ip_flg, bad_ip_ttl, no_ip_payload, over_ip_payload, bad_ip_payload_len, bad_ip_frg_offset, csum, pod, bad_tcp_urg_offset, tcp_sht_hdr, tcp_bad_iplen, tcp_null_frg, tcp_null_scan, tcp_syn_fin, tcp_xmas, tcp_xmas_scan, tcp_syn_frg, tcp_frg_hdr, tcp_bad_csum, udp_srt_hdr, udp_bad_len, udp_kerb_frg, udp_port_lb, udp_bad_csum, runt_ip_hdr, runt_tcp_udp_hdr, ipip_tnl_msmtch, tcp_opt_err, ipip_tnl_err, vxlan_err, nvgre_err, gre_pptp_err

stats data

	Counter	Size	Description
	tcp_frg_hdr	8	TCP Fragmented Header Drop
	tcp_null_frg	8	TCP Null Flags Drop
	over_ip_payload	8	Oversize IP Payload Drop
	udp_bad_csum	8	UDP Bad Checksum Drop
	nvgre_err	8	GRE Tunnel Error Drop
	tcp_syn_fin	8	TCP Syn and Fin Drop
	udp_kerb_frg	8	UDP Kerberos Fragment Drop
	tcp_syn_frg	8	TCP Syn Fragment Drop
	tcp_bad_iplen	8	TCP Bad IP Length Drop

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	Counter	Size	Description
	ipip_tnl_err	8	IP-over-IP Tunnel Error Drop
	csum	8	Bad IP Checksum Drop
	tcp_xmas	8	TCP XMAS Flags Drop
	pod	8	ICMP Ping of Death Drop
	tcp_bad_csum	8	TCP Bad Checksum Drop
	emp_frg	8	Empty Fragment Drop
	frg	8	IPv4 Fragment Drop
	bad_ip_ttl	8	Bad IP TTL Drop
	bad_ip_frg_offset	8	Bad IP Fragment Offset Drop
	tcp_sht_hdr	8	TCP Short Header Drop
	tcp_xmas_scan	8	TCP XMAS Scan Drop
	no_ip_payload	8	No IP Payload drop
	udp_bad_len	8	UDP Bad Length Drop
	opt	8	IPv4 Options Drop
	vxlan_err	8	VXLAN Tunnel Error Drop
	bad_ip_payload_len	8	Bad IP Payload Len Drop
	runt_ip_hdr	8	Runt IP Header Drop
	runt_tcp_udp_hdr	8	Runt TCP/UDP Header Drop
	emp_mic_frg	8	Micro Fragment Drop
	bad_ip_hdrlen	8	Bad IP Header Len Drop
	tcp_null_scan	8	TCP Null Scan Drop
	land	8	Land Attack Drop
	tcp_opt_err	8	TCP Option Error Drop
	bad_ip_flg	8	Bad IP Flags Drop
	udp_srt_hdr	8	UDP Short Header Drop
	udp_port_lb	8	UDP Port Loopback Drop
	bad_tcp_urg_offset	8	TCP Bad Urgent Offset Drop
	gre_pptp_err	8	GRE PPTP Error Drop
	ipip_tnl_msmtch	8	IP-over-IP Tunnel Mismatch Drop

2.48.5 ip app-protocol-port

Application protocol port filtering

app-protocol-port Specification

Type	*Intermediate Resource*
Element Name	app-protocol-port
Element URI	/axapi/v3/ip/app-protocol-port
Element Attributes	app-protocol-port_attributes
Schema	`app-protocol-port schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port

app-protocol-port_attributes

app-protocol-port attributes

monitor

Description: monitor is a **JSON Block**. Please see below for *monitor*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/monitor*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp*

udp

Specification	
Type	*object*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *udp_passthrough*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *udp_port*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port*

udp_passthrough

Specification	
Type	*object*

disable

Description Disable global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port

Specification	
Type	*object*

add-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}*

disable-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}*

udp_port_add-list

Specification	
Type	*list*
Block object keys	

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port_add-list_app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *udp_port_add-list_app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port_add-list_app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

udp_port_add-list_app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

udp_port_add-list_app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

udp_port_disable-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *udp_port_disable-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port_disable-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

udp_port_disable-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

udp_port_disable-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

monitor

Specification	
Type	*object*

disable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *tcp_passthrough*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *tcp_port*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port*

tcp_passthrough

Specification	
Type	*object*

disable

Description Disable passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port

Specification	
Type	*object*

add-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}*

disable-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}*

tcp_port_add-list

Specification	
Type	*list*
Block object keys	

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port_add-list_app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *tcp_port_add-list_app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port_add-list_app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tcp_port_add-list_app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

tcp_port_add-list_app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

tcp_port_disable-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *tcp_port_disable-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port_disable-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tcp_port_disable-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

tcp_port_disable-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.6 ip app-protocol-port monitor

Monitors application ports

monitor Specification

Type	*Configuration Resource*
Element Name	monitor
Element URI	/axapi/v3/ip/app-protocol-port/monitor
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

monitor attributes

disable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.7 ip app-protocol-port tcp

TCP Application Ports

tcp Specification

Type	*Intermediate Resource*
Element Name	tcp
Element URI	/axapi/v3/ip/app-protocol-port/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp

tcp_attributes

tcp attributes

passthrough

Description: passthrough is a **JSON Block**. Please see below for *passthrough*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *port*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port*

passthrough

Specification	
Type	*object*

disable

Description Disable passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port

Specification	
Type	*object*

add-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}*

disable-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}*

port_add-list

Specification	
Type	*list*
Block object keys	

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_add-list_app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *port_add-list_app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_add-list_app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

port_add-list_app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

port_add-list_app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

port_disable-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *port_disable-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_disable-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

port_disable-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

port_disable-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.8 ip app-protocol-port tcp passthrough

Controls TCP ports filtering on all interfaces, Default mode is enabled

passthrough Specification

Type	*Configuration Resource*
Element Name	passthrough
Element URI	/axapi/v3/ip/app-protocol-port/tcp/passthrough
Element Attributes	passthrough_attributes
Schema	`passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

passthrough attributes

disable

Description Disable passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.9 ip app-protocol-port tcp port

Application Ports

port Specification

Type	*Intermediate Resource*
Element Name	port
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port
Element Attributes	port_attributes
Schema	`port schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port

port_attributes

port attributes

add-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}*

disable-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}*

add-list

Specification	
Type	*list*
Block object keys	

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-list_app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *add-list_app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-list_app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

add-list_app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

add-list_app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

disable-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *disable-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

disable-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

disable-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.10 ip app-protocol-port tcp port add

Add application port

add Specification

Type	*Collection*
Object Key(s)	*port*
Collection Name	*add-list*
Collection URI	/axapi/v3/ip/app-protocol-port/tcp/port/add
Element Name	add
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}
Element Attributes	add_attributes
Schema	`add schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add

add attributes

Create List

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add

add attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}

add attributes

Get List

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add

add-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}

add attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}

add attributes

Replace List

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add

add-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}

add attributes

add-list

add-list is **JSON List** of *add attributes*

add-list : [

{ *add attributes* },

{ *add attributes* },

...

]

add attributes

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.11 ip app-protocol-port tcp port add app-name

Application protocol name

app-name Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*app-name-list*
Collection URI	/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name
Element Name	app-name
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}
Element Attributes	app-name_attributes
Schema	`app-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name

app-name attributes

Create List

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name

app-name attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}

app-name attributes

Get List

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name

app-name-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}

app-name attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}

app-name attributes

Replace List

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name

app-name-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}

app-name attributes

app-name-list

app-name-list is **JSON List** of *app-name attributes*

app-name-list : [

{ *app-name attributes* },

{ *app-name attributes* },

...

]

app-name attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.12 ip app-protocol-port tcp port add app-name interface

Bind a port to an interface

interface Specification

Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface
Element Attributes	interface_attributes
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

interface attributes

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.13 ip app-protocol-port tcp port disable

Disable application port

disable Specification

Type	*Collection*
Object Key(s)	*port*
Collection Name	*disable-list*
Collection URI	/axapi/v3/ip/app-protocol-port/tcp/port/disable
Element Name	disable
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}
Element Attributes	disable_attributes
Schema	`disable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable

disable attributes

Create List

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable

disable attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}

disable attributes

Get List

GET

/axapi/v3/ip/app-protocol-port/tcp/port/disable

disable-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}

disable attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}

disable attributes

Replace List

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/disable

disable-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}

disable attributes

disable-list

disable-list is **JSON List** of *disable attributes*

disable-list : [

{ *disable attributes* },

{ *disable attributes* },

...

]

disable attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.14 ip app-protocol-port tcp port disable interface

Disable a port from an interface

interface Specification

Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface
Element Attributes	interface_attributes
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

interface attributes

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.15 ip app-protocol-port udp

UDP application ports

udp Specification

Type	*Intermediate Resource*
Element Name	udp
Element URI	/axapi/v3/ip/app-protocol-port/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp

udp_attributes

udp attributes

passthrough

Description: passthrough is a **JSON Block**. Please see below for *passthrough*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *port*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port*

passthrough

Specification	
Type	*object*

disable

Description Disable global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port

Specification	
Type	*object*

add-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}*

disable-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}*

port_add-list

Specification	
Type	*list*
Block object keys	

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_add-list_app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *port_add-list_app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_add-list_app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

port_add-list_app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

port_add-list_app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

port_disable-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *port_disable-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_disable-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

port_disable-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

port_disable-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.16 ip app-protocol-port udp passthrough

Controls UDP ports filtering on all interfaces, Default mode is enabled

passthrough Specification

Type	*Configuration Resource*
Element Name	passthrough
Element URI	/axapi/v3/ip/app-protocol-port/udp/passthrough
Element Attributes	passthrough_attributes
Schema	`passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

passthrough attributes

disable

Description Disable global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.17 ip app-protocol-port udp port

Application ports

port Specification

Type	*Intermediate Resource*
Element Name	port
Element URI	/axapi/v3/ip/app-protocol-port/udp/port
Element Attributes	port_attributes
Schema	`port schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port

port_attributes

port attributes

add-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}*

disable-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}*

add-list

Specification	
Type	*list*
Block object keys	

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-list_app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *add-list_app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-list_app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

add-list_app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

add-list_app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

disable-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *disable-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

disable-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

disable-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.18 ip app-protocol-port udp port add

Add application port

add Specification

Type	*Collection*
Object Key(s)	*port*
Collection Name	*add-list*
Collection URI	/axapi/v3/ip/app-protocol-port/udp/port/add
Element Name	add
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/add/{port}
Element Attributes	add_attributes
Schema	`add schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add

add attributes

Create List

POST

/axapi/v3/ip/app-protocol-port/udp/port/add

add attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}

add attributes

Get List

GET

/axapi/v3/ip/app-protocol-port/udp/port/add

add-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}

add attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}

add attributes

Replace List

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add

add-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}

add attributes

add-list

add-list is **JSON List** of *add attributes*

add-list : [

{ *add attributes* },

{ *add attributes* },

...

]

add attributes

app-name-list

Type: List

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-name-list

Specification	
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-name-list_interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-name-list_interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-name-list_interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-name-list_interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.19 ip app-protocol-port udp port add app-name

Application protocol name

app-name Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*app-name-list*
Collection URI	/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name
Element Name	app-name
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}
Element Attributes	app-name_attributes
Schema	`app-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name

app-name attributes

Create List

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name

app-name attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}

app-name attributes

Get List

GET

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name

app-name-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}

app-name attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}

app-name attributes

Replace List

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name

app-name-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}

app-name attributes

app-name-list

app-name-list is **JSON List** of *app-name attributes*

app-name-list : [

{ *app-name attributes* },

{ *app-name attributes* },

...

]

app-name attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.20 ip app-protocol-port udp port add app-name interface

Bind a port to an interface

interface Specification

Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface
Element Attributes	interface_attributes
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

interface attributes

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.21 ip app-protocol-port udp port disable

Disable application port

disable Specification

Type	*Collection*
Object Key(s)	*port*
Collection Name	*disable-list*
Collection URI	/axapi/v3/ip/app-protocol-port/udp/port/disable
Element Name	disable
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}
Element Attributes	disable_attributes
Schema	`disable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable

disable attributes

Create List

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable

disable attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}

disable attributes

Get List

GET

/axapi/v3/ip/app-protocol-port/udp/port/disable

disable-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}

disable attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}

disable attributes

Replace List

PUT

/axapi/v3/ip/app-protocol-port/udp/port/disable

disable-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}

disable attributes

disable-list

disable-list is **JSON List** of *disable attributes*

disable-list : [

{ *disable attributes* },

{ *disable attributes* },

...

]

disable attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Refernce Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.22 ip app-protocol-port udp port disable interface

Disable a port from an interface

interface Specification

Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface
Element Attributes	interface_attributes
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

interface attributes

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.48.23 ip as-path

Configure an AS-path list for BGP

as-path Specification

Type	*Collection*
Object Key(s)	*access-list, action, value*
Collection Name	*as-path-list*
Collection URI	/axapi/v3/ip/as-path
Element Name	as-path
Element URI	/axapi/v3/ip/as-path/{access-list}+{action}+{value}
Element Attributes	as-path_attributes
Schema	`as-path schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/as-path

as-path attributes

```
POST /axapi/v3/ip/as-path/
Payload:
{
    "as-path": {
        "access-list": "a",
        "action": "deny",
        "value": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/as-path

as-path attributes

Get Object

GET

/axapi/v3/ip/as-path/{access-list}+{action}+{value}

as-path attributes

```
GET /axapi/v3/ip/as-path/a+deny+a
Reponse:
{
    "as-path": {
```

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```
        "access-list": "a",
        "action": "deny",
        "value": "a",
        "uuid": "73984f2c-60bf-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/as-path/a+deny+a"
    }
}
```

Get List

GET

/axapi/v3/ip/as-path

as-path-list

Modify Object

POST

/axapi/v3/ip/as-path/{access-list}+{action}+{value}

as-path attributes

Replace Object

PUT

/axapi/v3/ip/as-path/{access-list}+{action}+{value}

as-path attributes

```
PUT /axapi/v3/ip/as-path/a+deny+a
Payload:
{
    "as-path": {
        "access-list": "a",
        "action": "deny",
        "value": "a"
    }
}
```

Replace List

PUT

/axapi/v3/ip/as-path

as-path-list

Delete Object

DELETE

/axapi/v3/ip/as-path/{access-list}+{action}+{value}

as-path attributes

```
DELETE /axapi/v3/ip/as-path/a+deny+a
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

as-path-list

as-path-list is **JSON List** of *as-path attributes*

as-path-list : [

{ *as-path attributes* },

{ *as-path attributes* },

...

]

as-path attributes

access-list

Description Specify an access list name (Regular expression access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description A regular-expression to match the BGP AS paths

Type: string

Format: string-rlx

2.48.24 ip community-list

Configure Community-list

community-list Specification

Type	*Intermediate Resource*
Element Name	community-list
Element URI	/axapi/v3/ip/community-list
Element Attributes	community-list_attributes
Schema	`community-list schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/community-list

community-list_attributes

community-list attributes

expanded-list

Type: List

Refernce Object: */axapi/v3/ip/community-list/expanded/{expanded}*

expanded-num-list

Type: List

Refernce Object: */axapi/v3/ip/community-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Refernce Object: */axapi/v3/ip/community-list/standard/{standard}*

standard-num-list

Type: List

Refernce Object: */axapi/v3/ip/community-list/standard-num/{std-list-num}*

expanded-num-list

Specification	
Type	*list*
Block object keys	

ext-list-num

Description Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-num-list_rules-list

Specification	
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

expanded-list

Specification	
Type	*list*
Block object keys	

expanded

Description Add an expanded community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-list_rules-list

Specification	
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

standard-num-list

Specification	
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-num-list_rules-list

Specification	
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

standard-list

Specification	
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-list_rules-list

Specification	
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

2.48.25 ip community-list expanded

Configure Expanded Community-list

expanded Specification

Type	*Collection*
Object Key(s)	*expanded*
Collection Name	*expanded-list*
Collection URI	/axapi/v3/ip/community-list/expanded
Element Name	expanded
Element URI	/axapi/v3/ip/community-list/expanded/{expanded}
Element Attributes	expanded_attributes
Schema	`expanded schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/community-list/expanded

expanded attributes

```
POST /axapi/v3/ip/community-list/expanded/
Payload:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-value": "a",
                "expanded-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/community-list/expanded

expanded attributes

Get Object

GET

/axapi/v3/ip/community-list/expanded/{expanded}

expanded attributes

```
GET /axapi/v3/ip/community-list/expanded/a
Reponse:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-action": "deny",
                "expanded-value": "a"
            }
        ],
        "uuid": "8e010566-60bf-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/community-list/expanded/a"
    }
}
```

Get List

GET

/axapi/v3/ip/community-list/expanded

expanded-list

Modify Object

POST

/axapi/v3/ip/community-list/expanded/{expanded}

expanded attributes

Replace Object

PUT

/axapi/v3/ip/community-list/expanded/{expanded}

expanded attributes

```
PUT /axapi/v3/ip/community-list/expanded/a
Payload:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-value": "ab",
                "expanded-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/community-list/expanded

expanded-list

Delete Object

DELETE

/axapi/v3/ip/community-list/expanded/{expanded}

expanded attributes

```
DELETE /axapi/v3/ip/community-list/expanded/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

expanded-list

expanded-list is **JSON List** of *expanded attributes*

expanded-list : [

{ *expanded attributes* },

{ *expanded attributes* },

...

]

expanded attributes

expanded

Description Add an expanded community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.48.26 ip community-list expanded-num

Configure Expanded number Community-list

expanded-num Specification

Type	*Collection*
Object Key(s)	*ext-list-num*
Collection Name	*expanded-num-list*
Collection URI	/axapi/v3/ip/community-list/expanded-num
Element Name	expanded-num
Element URI	/axapi/v3/ip/community-list/expanded-num/{ext-list-num}
Element Attributes	expanded-num_attributes
Schema	`expanded-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/community-list/expanded-num

expanded-num attributes

```
POST /axapi/v3/ip/community-list/expanded-num/
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
```

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```
            {
                "ext-list-value": "a",
                "ext-list-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/community-list/expanded-num

expanded-num attributes

Get Object

GET

/axapi/v3/ip/community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
GET /axapi/v3/ip/community-list/expanded-num/100
Reponse:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-action": "deny",
                "ext-list-value": "a"
            }
        ],
        "uuid": "9c70c6b8-60bf-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/community-list/expanded-num/100"
    }
}
```

Get List

GET

/axapi/v3/ip/community-list/expanded-num

expanded-num-list

Modify Object

POST

/axapi/v3/ip/community-list/expanded-num/{ext-list-num}

expanded-num attributes

Replace Object

PUT

/axapi/v3/ip/community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
PUT /axapi/v3/ip/community-list/expanded-num/100
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-value": "ab",
                "ext-list-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/community-list/expanded-num

expanded-num-list

Delete Object

DELETE

/axapi/v3/ip/community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
DELETE /axapi/v3/ip/community-list/expanded-num/100
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

expanded-num-list

expanded-num-list is **JSON List** of *expanded-num attributes*

expanded-num-list : [

{ *expanded-num attributes* },

{ *expanded-num attributes* },

...

]

expanded-num attributes

ext-list-num

Description Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.48.27 ip community-list standard

Configure Standard Community-list

standard Specification

Type	*Collection*
Object Key(s)	*standard*
Collection Name	*standard-list*
Collection URI	/axapi/v3/ip/community-list/standard
Element Name	standard
Element URI	/axapi/v3/ip/community-list/standard/{standard}
Element Attributes	standard_attributes
Schema	`standard schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/community-list/standard

standard attributes

```
POST /axapi/v3/ip/community-list/standard/
Payload:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "deny",
                "standard-comm-value": "11:22"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/community-list/standard

standard attributes

Get Object

GET

/axapi/v3/ip/community-list/standard/{standard}

standard attributes

```
GET /axapi/v3/ip/community-list/standard/a
Reponse:
{
    "standard": {
        "standard": "a",
```

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```
        "rules-list": [
            {
                "standard-action": "deny",
                "standard-comm-value": "11:22"
            }
        ],
        "uuid": "aa17fb10-60bf-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/community-list/standard/a"
    }
}
```

Get List

GET

/axapi/v3/ip/community-list/standard

standard-list

Modify Object

POST

/axapi/v3/ip/community-list/standard/{standard}

standard attributes

Replace Object

PUT

/axapi/v3/ip/community-list/standard/{standard}

standard attributes

```
PUT /axapi/v3/ip/community-list/standard/a
Payload:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "permit",
                "standard-comm-value": "11:33"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/community-list/standard

standard-list

Delete Object

DELETE

/axapi/v3/ip/community-list/standard/{standard}

standard attributes

```
DELETE /axapi/v3/ip/community-list/standard/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

standard-list

standard-list is **JSON List** of *standard attributes*

standard-list : [

{ *standard attributes* },

{ *standard attributes* },

...

]

standard attributes

rules-list

Type: List

standard

Description Add a standard community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

2.48.28 ip community-list standard-num

Configure Standard number Community-list

standard-num Specification

Type	*Collection*
Object Key(s)	*std-list-num*
Collection Name	*standard-num-list*
Collection URI	/axapi/v3/ip/community-list/standard-num
Element Name	standard-num
Element URI	/axapi/v3/ip/community-list/standard-num/{std-list-num}
Element Attributes	standard-num_attributes
Schema	`standard-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/community-list/standard-num

standard-num attributes

```
POST /axapi/v3/ip/community-list/standard-num/
Payload:
{
    "standard-num": {
        "std-list-num": 1,
```

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```
        "rules-list": [
            {
                "std-list-action": "deny",
                "std-list-comm-value": "11:22"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/community-list/standard-num

standard-num attributes

Get Object

GET

/axapi/v3/ip/community-list/standard-num/{std-list-num}

standard-num attributes

```
GET /axapi/v3/ip/community-list/standard-num/1
Reponse:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "deny",
                "std-list-comm-value": "11:22"
            }
        ],
        "uuid": "b77eb654-60bf-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/community-list/standard-num/1"
    }
}
```

Get List

GET

/axapi/v3/ip/community-list/standard-num

standard-num-list

Modify Object

POST

/axapi/v3/ip/community-list/standard-num/{std-list-num}

standard-num attributes

Replace Object

PUT

/axapi/v3/ip/community-list/standard-num/{std-list-num}

standard-num attributes

```
PUT /axapi/v3/ip/community-list/standard-num/1
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "permit",
                "std-list-comm-value": "11:33"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/community-list/standard-num

standard-num-list

Delete Object

DELETE

/axapi/v3/ip/community-list/standard-num/{std-list-num}

standard-num attributes

```
DELETE /axapi/v3/ip/community-list/standard-num/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

standard-num-list

standard-num-list is **JSON List** of *standard-num attributes*

standard-num-list : [

{ *standard-num attributes* },

{ *standard-num attributes* },

...

]

standard-num attributes

rules-list

Type: List

std-list-num

Description Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

2.48.29 ip default-gateway

Transparent mode gateway

default-gateway Specification

Type	*Configuration Resource*
Element Name	default-gateway
Element URI	/axapi/v3/ip/default-gateway
Element Attributes	default-gateway_attributes
Schema	`default-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/default-gateway

default-gateway attributes

```
POST /axapi/v3/ip/default-gateway
Payload:
{
    "default-gateway": {
        "gateway-ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/ip/default-gateway

default-gateway attributes

```
GET /axapi/v3/ip/default-gateway
Reponse:
{
    "default-gateway": {
        "gateway-ip": "3.3.3.3",
        "uuid": "c7b08bec-60bf-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/default-gateway"
    }
}
```

Modify Object

POST

/axapi/v3/ip/default-gateway

default-gateway attributes

Replace Object

PUT

/axapi/v3/ip/default-gateway

default-gateway attributes

```
PUT /axapi/v3/ip/default-gateway
Payload:
{
    "default-gateway": {
        "gateway-ip": "3.3.3.3"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/default-gateway

default-gateway attributes

```
DELETE /axapi/v3/ip/default-gateway
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

default-gateway attributes

gateway-ip

Description Default gateway address

Type: string

Format: ipv4-address

Refernce Object: */axapi/v3/ip/address*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.30 ip dns

Set DNS server

dns Specification

Type	*Intermediate Resource*
Element Name	dns
Element URI	/axapi/v3/ip/dns
Element Attributes	dns_attributes
Schema	`dns schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/dns

dns_attributes

dns attributes

primary

Description: primary is a **JSON Block**. Please see below for *primary*

Type: Object

Refernce Object: */axapi/v3/ip/dns/primary*

secondary

Description: secondary is a **JSON Block**. Please see below for *secondary*

Type: Object

Refernce Object: */axapi/v3/ip/dns/secondary*

suffix

Description: suffix is a **JSON Block**. Please see below for *suffix*

Type: Object

Refernce Object: */axapi/v3/ip/dns/suffix*

suffix

Specification	
Type	*object*

domain-name

Description DNS suffix

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

primary

Specification	
Type	*object*

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secondary

Specification	
Type	*object*

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.31 ip dns primary

Primary DNS server

primary Specification

Type	*Configuration Resource*
Element Name	primary
Element URI	/axapi/v3/ip/dns/primary
Element Attributes	primary_attributes
Schema	`primary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/dns/primary

primary attributes

```
POST /axapi/v3/ip/dns/primary
Payload:
{
    "primary": {
        "ip-v4-addr": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/ip/dns/primary

primary attributes

```
GET /axapi/v3/ip/dns/primary
Reponse:
{
    "primary": {
        "ip-v4-addr": "3.3.3.3",
        "uuid": "e2354f20-60bf-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/dns/primary"
    }
}
```

Modify Object

POST

/axapi/v3/ip/dns/primary

primary attributes

Replace Object

PUT

/axapi/v3/ip/dns/primary

primary attributes

```
PUT /axapi/v3/ip/dns/primary
Payload:
{
    "primary": {
        "ip-v4-addr": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/dns/primary

primary attributes

```
DELETE /axapi/v3/ip/dns/primary
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

primary attributes

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.32 ip dns secondary

Secondary DNS server

secondary Specification

Type	*Configuration Resource*
Element Name	secondary
Element URI	/axapi/v3/ip/dns/secondary
Element Attributes	secondary_attributes
Schema	`secondary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/dns/secondary

secondary attributes

```
POST /axapi/v3/ip/dns/secondary
Payload:
{
    "secondary": {
```

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```
        "ip-v4-addr": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/ip/dns/secondary

secondary attributes

```
GET /axapi/v3/ip/dns/secondary
Reponse:
{
    "secondary": {
        "ip-v4-addr": "3.3.3.3",
        "uuid": "f307f4a6-60bf-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/dns/secondary"
    }
}
```

Modify Object

POST

/axapi/v3/ip/dns/secondary

secondary attributes

Replace Object

PUT

/axapi/v3/ip/dns/secondary

secondary attributes

```
PUT /axapi/v3/ip/dns/secondary
Payload:
{
    "secondary": {
        "ip-v4-addr": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/dns/secondary

secondary attributes

```
DELETE /axapi/v3/ip/dns/secondary
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

secondary attributes

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.33 ip dns suffix

DNS suffix

suffix Specification

Type	*Configuration Resource*
Element Name	suffix
Element URI	/axapi/v3/ip/dns/suffix
Element Attributes	suffix_attributes
Schema	`suffix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/dns/suffix

suffix attributes

```
POST /axapi/v3/ip/dns/suffix
Payload:
{
    "suffix": {
        "domain-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/ip/dns/suffix

suffix attributes

```
GET /axapi/v3/ip/dns/suffix
Reponse:
{
    "suffix": {
        "domain-name": "a",
        "uuid": "085ab42e-60c0-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/dns/suffix"
    }
}
```

Modify Object

POST

/axapi/v3/ip/dns/suffix

suffix attributes

Replace Object

PUT

/axapi/v3/ip/dns/suffix

suffix attributes

```
PUT /axapi/v3/ip/dns/suffix
Payload:
{
    "suffix": {
        "domain-name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/dns/suffix

suffix attributes

```
DELETE /axapi/v3/ip/dns/suffix
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

suffix attributes

domain-name

Description DNS suffix

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.34 ip extcommunity-list

Configure Extcommunity-list

extcommunity-list Specification

Type	*Intermediate Resource*
Element Name	extcommunity-list
Element URI	/axapi/v3/ip/extcommunity-list
Element Attributes	extcommunity-list_attributes
Schema	`extcommunity-list schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/extcommunity-list

extcommunity-list_attributes

extcommunity-list attributes

expanded-list

Type: List

Refernce Object: */axapi/v3/ip/extcommunity-list/expanded/{expanded}*

expanded-num-list

Type: List

Refernce Object: */axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Refernce Object: */axapi/v3/ip/extcommunity-list/standard/{standard}*

standard-num-list

Type: List

Refernce Object: */axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}*

expanded-num-list

Specification	
Type	*list*
Block object keys	

ext-list-num

Description Extended Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-num-list_rules-list

Specification	
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

expanded-list

Specification	
Type	*list*
Block object keys	

expanded

Description Add an expanded extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-list_rules-list

Specification	
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

standard-num-list

Specification	
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Extended Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-num-list_rules-list

Specification	
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

standard-list

Specification	
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-list_rules-list

Specification	
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

2.48.35 ip extcommunity-list expanded

Configure Extended Community-list

expanded Specification

Type	*Collection*
Object Key(s)	*expanded*
Collection Name	*expanded-list*
Collection URI	/axapi/v3/ip/extcommunity-list/expanded
Element Name	expanded
Element URI	/axapi/v3/ip/extcommunity-list/expanded/{expanded}
Element Attributes	expanded_attributes
Schema	`expanded schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/extcommunity-list/expanded

expanded attributes

```
POST /axapi/v3/ip/extcommunity-list/expanded/
Payload:
{
    "expanded": {
        "expanded": "a",
```

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```
        "rules-list": [
            {
                "expanded-value": "a",
                "expanded-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/extcommunity-list/expanded

expanded attributes

Get Object

GET

/axapi/v3/ip/extcommunity-list/expanded/{expanded}

expanded attributes

```
GET /axapi/v3/ip/extcommunity-list/expanded/a
Reponse:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-action": "deny",
                "expanded-value": "a"
            }
        ],
        "uuid": "20de54e2-60c0-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/extcommunity-list/expanded/a"
    }
}
```

Get List

GET

/axapi/v3/ip/extcommunity-list/expanded

expanded-list

Modify Object

POST

/axapi/v3/ip/extcommunity-list/expanded/{expanded}

expanded attributes

Replace Object

PUT

/axapi/v3/ip/extcommunity-list/expanded/{expanded}

expanded attributes

```
PUT /axapi/v3/ip/extcommunity-list/expanded/a
Payload:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-value": "ab",
                "expanded-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/extcommunity-list/expanded

expanded-list

Delete Object

DELETE

/axapi/v3/ip/extcommunity-list/expanded/{expanded}

expanded attributes

```
DELETE /axapi/v3/ip/extcommunity-list/expanded/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

expanded-list

expanded-list is **JSON List** of *expanded attributes*

expanded-list : [

{ *expanded attributes* },

{ *expanded attributes* },

...

]

expanded attributes

expanded

Description Add an expanded extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.48.36 ip extcommunity-list expanded-num

Configure Expanded number Community-list

expanded-num Specification

Type	*Collection*
Object Key(s)	*ext-list-num*
Collection Name	*expanded-num-list*
Collection URI	/axapi/v3/ip/extcommunity-list/expanded-num
Element Name	expanded-num
Element URI	/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}
Element Attributes	expanded-num_attributes
Schema	`expanded-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/extcommunity-list/expanded-num

expanded-num attributes

```
POST /axapi/v3/ip/extcommunity-list/expanded-num/
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-value": "a",
                "ext-list-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/extcommunity-list/expanded-num

expanded-num attributes

Get Object

GET

/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}

expanded-num attributes

```
GET /axapi/v3/ip/extcommunity-list/expanded-num/100
Reponse:
{
    "expanded-num": {
        "ext-list-num": 100,
```

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```
        "rules-list": [
            {
                "ext-list-action": "deny",
                "ext-list-value": "a"
            }
        ],
        "uuid": "2e378df2-60c0-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/extcommunity-list/expanded-num/100"
    }
}
```

Get List

GET

/axapi/v3/ip/extcommunity-list/expanded-num

expanded-num-list

Modify Object

POST

/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}

expanded-num attributes

Replace Object

PUT

/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}

expanded-num attributes

```
PUT /axapi/v3/ip/extcommunity-list/expanded-num/100
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-value": "ab",
                "ext-list-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/extcommunity-list/expanded-num

expanded-num-list

Delete Object

DELETE

/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}

expanded-num attributes

```
DELETE /axapi/v3/ip/extcommunity-list/expanded-num/100
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

expanded-num-list

expanded-num-list is **JSON List** of *expanded-num attributes*

expanded-num-list : [

{ *expanded-num attributes* },

{ *expanded-num attributes* },

...

]

expanded-num attributes

ext-list-num

Description Extended Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.48.37 ip extcommunity-list standard

Configure Standard Community-list

standard Specification

Type	*Collection*
Object Key(s)	*standard*
Collection Name	*standard-list*
Collection URI	/axapi/v3/ip/extcommunity-list/standard
Element Name	standard
Element URI	/axapi/v3/ip/extcommunity-list/standard/{standard}
Element Attributes	standard_attributes
Schema	`standard schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/extcommunity-list/standard

standard attributes

```
POST /axapi/v3/ip/extcommunity-list/standard/
Payload:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "deny",
                "standard-value": "rt 65535:1"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/extcommunity-list/standard

standard attributes

Get Object

GET

/axapi/v3/ip/extcommunity-list/standard/{standard}

standard attributes

```
GET /axapi/v3/ip/extcommunity-list/standard/a
Reponse:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "deny",
                "standard-value": "rt 65535:1"
            }
        ],
        "uuid": "3b500e10-60c0-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/extcommunity-list/standard/a"
    }
}
```

Get List

GET

/axapi/v3/ip/extcommunity-list/standard

standard-list

Modify Object

POST

/axapi/v3/ip/extcommunity-list/standard/{standard}

standard attributes

Replace Object

PUT

/axapi/v3/ip/extcommunity-list/standard/{standard}

standard attributes

```
PUT /axapi/v3/ip/extcommunity-list/standard/a
Payload:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "permit",
                "standard-value": "rt 65535:1"
            }
```

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```
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/extcommunity-list/standard

standard-list

Delete Object

DELETE

/axapi/v3/ip/extcommunity-list/standard/{standard}

standard attributes

```
DELETE /axapi/v3/ip/extcommunity-list/standard/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

standard-list

standard-list is **JSON List** of *standard attributes*

standard-list : [

{ *standard attributes* },

{ *standard attributes* },

...

]

standard attributes

rules-list

Type: List

standard

Description Add a standard extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

2.48.38 ip extcommunity-list standard-num

Configure Standard number Community-list

standard-num Specification

Type	*Collection*
Object Key(s)	*std-list-num*
Collection Name	*standard-num-list*
Collection URI	/axapi/v3/ip/extcommunity-list/standard-num
Element Name	standard-num
Element URI	/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}
Element Attributes	standard-num_attributes
Schema	`standard-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/extcommunity-list/standard-num

standard-num attributes

```
POST /axapi/v3/ip/extcommunity-list/standard-num/
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "deny",
                "std-list-value": "rt 11:22"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/extcommunity-list/standard-num

standard-num attributes

Get Object

GET

/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}

standard-num attributes

```
GET /axapi/v3/ip/extcommunity-list/standard-num/1
Reponse:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "deny",
                "std-list-value": "rt 11:22"
            }
        ],
        "uuid": "486cf5fe-60c0-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/extcommunity-list/standard-num/1"
    }
}
```

Get List

GET

/axapi/v3/ip/extcommunity-list/standard-num

standard-num-list

Modify Object

POST

/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}

standard-num attributes

Replace Object

PUT

/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}

standard-num attributes

```
PUT /axapi/v3/ip/extcommunity-list/standard-num/1
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "permit",
                "std-list-value": "rt 11:33"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/extcommunity-list/standard-num

standard-num-list

Delete Object

DELETE

/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}

standard-num attributes

```
DELETE /axapi/v3/ip/extcommunity-list/standard-num/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

standard-num-list

standard-num-list is **JSON List** of *standard-num attributes*

standard-num-list : [

{ *standard-num attributes* },

{ *standard-num attributes* },

...

]

standard-num attributes

rules-list

Type: List

std-list-num

Description Extended Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

2.48.39 ip frag

IP fragmentation parameters

frag Specification

Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ip/frag
Element Attributes	frag_attributes
Statistics Data URI	/axapi/v3/ip/frag/stats
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/frag

frag attributes

```
POST /axapi/v3/ip/frag
Payload:
{
    "frag": {
        "buff": 10000
    }
}
```

Get Object

GET

/axapi/v3/ip/frag

frag attributes

```
GET /axapi/v3/ip/frag
Reponse:
{
    "frag": {
        "buff": 10000,
        "timeout": 60000,
        "cpu-threshold": {
            "high": 75,
            "low": 60
        },
        "uuid": "e2cb8934-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/ip/frag"
    }
}
```

Modify Object

POST

/axapi/v3/ip/frag

frag attributes

Replace Object

PUT

/axapi/v3/ip/frag

frag attributes

```
PUT /axapi/v3/ip/frag
Payload:
{
    "frag": {
        "buff": 10001
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/frag

frag attributes

```
DELETE /axapi/v3/ip/frag
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

frag attributes

buff

Description Max buff used for fragmentation (Buffer Value(10000-3000000))

Type: number

Range: 10000-3000000

cpu-threshold

Description: cpu-threshold is a **JSON Block**. Please see below for *cpu-threshold*

Type: Object

max-packets-per-reassembly

Description Max number of fragmented packets allowed per reassembly(0 is unlimited) (default 0)

Type: number

Range: 2-16

max-reassembly-sessions

Description Max number of pending reassembly sessions allowed (default 100000)

Type: number

Range: 1-200000

sampling-enable

Type: List

timeout

Description Fragmentation timeout (in milliseconds 4 - 16000 (default is 1000))

Type: number

Range: 4-65535

Default: 60000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

cpu-threshold

Specification	
Type	*object*

high

Description When CPU usage reaches this value, it will stop processing fragments (default: 75%)

Type: number

Range: 0-100

Default: 75

low

Description When CPU usage remains under this value, it will resume processing fragments (default: 60%)

Type: number

Range: 0-100

Default: 60

stats data

	Counter	Size	Description
	cpu-threshold-drop	8	High CPU Drop
	icmpv6-rcv	8	ICMPv6 Received
	tcp-rcv	8	TCP Received
	other-rcv	8	Other Received
	udp-dropped	8	UDP Dropped
	bad-ip-len	8	Bad IP Length
	first-l4-too-small	8	First L4 Fragment Too Small Drop
	no-session-memory	8	Out of Session Memory

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Table 2.19 – continued from previous page

	Counter	Size	Description
	unaligned-len	8	Payload Length Unaligned
	icmp-dropped	8	ICMP Dropped
	udp-rcv	8	UDP Received
	exceeded-len	8	Payload Length Out of Bounds
	fragment-queue-success	8	Fragment Queue Success
	first-gtp-packet-too-small	8	First GTP Fragment Too Small Drop
	fragment-queue-failure	8	Fragment Queue Failure
	total-fragments-exceeded	8	Total Queued Fragments Exceeded
	tcp-dropped	8	TCP Dropped
	low-cpu-threshold	8	Low CPU Threshold Reached
	ipip-dropped	8	IP-in-IP Dropped
	total-sessions-exceeded	8	Total Sessions Exceeded Drop
	error-drop	8	Fragment Processing Drop
	overlap-error	8	Overlapping Fragment Dropped
	ipv6ip-rcv	8	IPv6-in-IP Received
	session-expired	8	Session Expired
	sctp-rcv	8	SCTP Received
	policy-drop	8	MTU Exceeded Policy Drop
	icmp-rcv	8	ICMP Received
	session-packets-exceeded	8	Session Max Packets Exceeded
	duplicate-first-frag	8	Duplicate First Fragment
	reassembly-success	8	Fragment Reassembly Success
	sctp-dropped	8	SCTP Dropped
	ipd-entry-drop	8	DDoS Protection Drop
	too-small	8	Fragment Too Small Drop
	ipv6ip-dropped	8	IPv6-in-IP Dropped
	session-inserted	8	Session Inserted
	max-len-exceeded	8	Fragment Max Data Length Exceeded

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Table 2.19 – continued from previous page

	Counter	Size	Description
	max-packets-exceeded	8	Too Many Packets Per Reassembly Drop
	other-dropped	8	Other Dropped
	first-tcp-too-small	8	First TCP Fragment Too Small Drop
	high-cpu-threshold	8	High CPU Threshold Reached
	fast-aging-set	8	Fragmentation Fast Aging Set
	ipip-rcv	8	IP-in-IP Received
	icmpv6-dropped	8	ICMPv6 Dropped
	fast-aging-unset	8	Fragmentation Fast Aging Unset
	reassembly-failure	8	Fragment Reassembly Failure
	duplicate-last-frag	8	Duplicate Last Fragment

2.48.40 ip icmp

Global ICMP commands

icmp Specification

Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/ip/icmp
Element Attributes	icmp_attributes
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/icmp

icmp attributes

```
POST /axapi/v3/ip/icmp
Payload:
{
    "icmp": {
        "redirect": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/icmp

icmp attributes

```
GET /axapi/v3/ip/icmp
Reponse:
{
    "icmp": {
        "redirect": 1,
        "unreachable": 0,
        "uuid": "7fc4c95a-60c0-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/ip/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/ip/icmp

icmp attributes

```
PUT /axapi/v3/ip/icmp
Payload:
{
    "icmp": {
        "redirect": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/icmp

icmp attributes

```
DELETE /axapi/v3/ip/icmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp attributes

redirect

Description Disable outbound ICMP redirect messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unreachable

Description Disable outbound ICMP unreachable messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.41 ip map-list

Configure IP Map List name

map-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*map-list-list*
Collection URI	/axapi/v3/ip/map-list
Element Name	map-list
Element URI	/axapi/v3/ip/map-list/{name}
Element Attributes	map-list_attributes
Schema	`map-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/map-list

map-list attributes

```
POST /axapi/v3/ip/map-list/
Payload:
{
    "map-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/map-list

map-list attributes

Get Object

GET

/axapi/v3/ip/map-list/{name}

map-list attributes

```
GET /axapi/v3/ip/map-list/a
Reponse:
{
    "map-list": {
        "name": "a",
        "file": 0,
        "uuid": "b4ac251e-60c0-11d9-b64f-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ip/map-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip/map-list

map-list-list

Modify Object

POST

/axapi/v3/ip/map-list/{name}

map-list attributes

Replace Object

PUT

/axapi/v3/ip/map-list/{name}

map-list attributes

```
PUT /axapi/v3/ip/map-list/a
Payload:
{
    "map-list": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip/map-list

map-list-list

Delete Object

DELETE

/axapi/v3/ip/map-list/{name}

map-list attributes

```
DELETE /axapi/v3/ip/map-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

map-list-list

map-list-list is **JSON List** of *map-list attributes*

map-list-list : [

{ *map-list attributes* },

{ *map-list attributes* },

...

]

map-list attributes

file

Description Create/Edit a IP Map List stored as a file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mapping-list

Type: List

name

Description Specify name of the IP Map List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mapping-list

Specification	
Type	*list*
Block object keys	

count

Description Number of addresses to be translated in this range

Type: number

Range: 1-16777216

global-start-ip

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ip

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

2.48.42 ip mgmt-traffic

Management traffic IP parameters

mgmt-traffic Specification

Type	*Collection*
Object Key(s)	*traffic-type*
Collection Name	*mgmt-traffic-list*
Collection URI	/axapi/v3/ip/mgmt-traffic
Element Name	mgmt-traffic
Element URI	/axapi/v3/ip/mgmt-traffic/{traffic-type}
Element Attributes	mgmt-traffic_attributes
Schema	`mgmt-traffic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/mgmt-traffic

mgmt-traffic attributes

Create List

POST

/axapi/v3/ip/mgmt-traffic

mgmt-traffic attributes

Get Object

GET

/axapi/v3/ip/mgmt-traffic/{traffic-type}

mgmt-traffic attributes

Get List

GET

/axapi/v3/ip/mgmt-traffic

mgmt-traffic-list

Modify Object

POST

/axapi/v3/ip/mgmt-traffic/{traffic-type}

mgmt-traffic attributes

Replace Object

PUT

/axapi/v3/ip/mgmt-traffic/{traffic-type}

mgmt-traffic attributes

Replace List

PUT

/axapi/v3/ip/mgmt-traffic

mgmt-traffic-list

Delete Object

DELETE

/axapi/v3/ip/mgmt-traffic/{traffic-type}

mgmt-traffic attributes

mgmt-traffic-list

mgmt-traffic-list is **JSON List** of *mgmt-traffic attributes*

mgmt-traffic-list : [

{ *mgmt-traffic attributes* },

{ *mgmt-traffic attributes* },

...

]

mgmt-traffic attributes

source-interface

Description: source-interface is a **JSON Block**. Please see below for *source-interface*

Type: Object

traffic-type

Description 'all': All; 'ftp': FTP; 'ntp': NTP; 'snmp-trap': SNMP Trap; 'ssh': SSH and SCP; 'syslog': SYSLOG; 'telnet': Telnet; 'tftp': TFTP; 'web': Web - HTTP and HTTPS;

Type: string

Supported Values: all, ftp, ntp, snmp-trap, ssh, syslog, telnet, tftp, web

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-interface

Specification	
Type	*object*

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.48.43 ip nat

Configure NAT

nat Specification

Type	*Intermediate Resource*
Element Name	nat
Element URI	/axapi/v3/ip/nat
Element Attributes	nat_attributes
Schema	`nat schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat

nat_attributes

nat attributes

alg

Description: alg is a **JSON Block**. Please see below for *alg*

Type: Object

Refernce Object: */axapi/v3/ip/nat/alg*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Refernce Object: */axapi/v3/ip/nat/icmp*

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside*

nat-global

Description: nat-global is a **JSON Block**. Please see below for *nat-global*

Type: Object

Refernce Object: */axapi/v3/ip/nat/nat-global*

pool-group-list

Type: List

Refernce Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Refernce Object: */axapi/v3/ip/nat/pool/{pool-name}*

range-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/range-list/{name}*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/ip/nat/template*

translation

Description: translation is a **JSON Block**. Please see below for *translation*

Type: Object

Refernce Object: */axapi/v3/ip/nat/translation*

range-list-list

Specification	
Type	*list*
Block object keys	

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

global-start-ipv6-addr

Description Global Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ipv6-addr

Description Local Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

name

Description Name for this Static List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-acl-id

Description Access list ID

Type: number

Range: 1-199

v4-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

v6-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v6-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v6-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

alg

Specification	
Type	*object*

pptp

Description: pptp is a **JSON Block**. Please see below for *alg_pptp*

Type: Object

Refernce Object: */axapi/v3/ip/nat/alg/pptp*

alg_pptp

Specification	
Type	*object*

pptp

Description 'disable': Disable PPTP NAT ALG; 'enable': Enable PPTP NAT ALG;

Type: string

Supported Values: disable, enable

Default: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current-smp-sessions': current-smp-sessions; 'current-gre-sessions': current-gre-sessions; 'smp-session-creation-failure': smp-session-creation-failure; 'truncated-pns-message': truncated-pns-message; 'truncated-pac-message': truncated-pac-message; 'mismatched-pns-call-id': mismatched-pns-call-id; 'mismatched-pac-call-id': mismatched-pac-call-id; 'retransmitted-pns-message': retransmitted-pns-message; 'retransmitted-pac-message': retransmitted-pac-message; 'truncated-gre-packet': truncated-gre-packet; 'unknown-gre-version': unknown-gre-version; 'no-matching-gre-session': no-matching-gre-session;

Type: string

Supported Values: all, current-smp-sessions, current-gre-sessions, smp-session-creation-failure, truncated-pns-message, truncated-pac-message, mismatched-pns-call-id, mismatched-pac-call-id, retransmitted-pns-message, retransmitted-pac-message, truncated-gre-packet, unknown-gre-version, no-matching-gre-session

pool-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

pool-group-list_member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cross_cpu_helper_created': Cross CPU Helper Created; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper Standby; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found;

Type: string

Supported Values: all, cross_cpu_helper_created, cross_cpu_helper_free, cross_cpu_sent, cross_cpu_rcv, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_cpu_mismatch, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_deleted, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found

template

Specification	
Type	*object*

logging-list

Type: List

Refernce Object: */axapi/v3/ip/nat/template/logging/{name}*

template_logging-list

Specification	
Type	*list*
Block object keys	

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-rip-rport

Description Include the IP and port of real server in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *template_logging-list_log*

Type: Object

name

Description NAT logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

severity

Description: severity is a **JSON Block**. Please see below for *template_logging-list_severity*

Type: Object

source-port

Description: source-port is a **JSON Block**. Please see below for *template_logging-list_source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_severity

Specification	
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

template_logging-list_log

Specification	
Type	*object*

port-mappings

Description 'creation': Log creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable

template_logging-list_source-port

Specification	
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

translation

Specification	
Type	*object*

icmp-timeout

Description: icmp-timeout is a **JSON Block**. Please see below for *translation_icmp-timeout*

Type: Object

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-timeout-list

Type: List

Refernce Object: */axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}*

tcp-timeout

Description TCP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

udp-timeout

Description UDP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_service-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-type

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_icmp-timeout

Specification	
Type	*object*

icmp-timeout

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

Default: fast

icmp-timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

icmp

Specification	
Type	*object*

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *inside_source*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source*

inside_source

Specification	
Type	*object*

class-list

Description: class-list is a **JSON Block**. Please see below for *inside_source_class-list*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source/class-list*

list

Description: list is a **JSON Block**. Please see below for *inside_source_list*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source/list*

static-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}*

inside_source_static-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

inside_source_list

Specification	
Type	*object*

acl-id-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

inside_source_list_acl-id-list-list

Specification	
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside_source_list_acl-name-list-list

Specification	
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside_source_class-list

Specification	
Type	*object*

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-list

Specification	
Type	*list*
Block object keys	

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface

Type: number

Format: interface

gateway

Description Configure gateway IP

Type: string

Format: ipv4-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

Mutual Exclusion: start-address and use-if-ip are mutually exclusive

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip and start-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

2.48.44 ip nat alg

Change NAT ALG Settings

alg Specification

Type	*Intermediate Resource*
Element Name	alg
Element URI	/axapi/v3/ip/nat/alg
Element Attributes	alg_attributes
Schema	`alg schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/alg

alg_attributes

alg attributes

pptp

Description: pptp is a **JSON Block**. Please see below for *pptp*

Type: Object

Refernce Object: */axapi/v3/ip/nat/alg/pptp*

pptp

Specification	
Type	*object*

pptp

Description 'disable': Disable PPTP NAT ALG; 'enable': Enable PPTP NAT ALG;

Type: string

Supported Values: disable, enable

Default: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pptp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current-smp-sessions': current-smp-sessions; 'current-gre-sessions': current-gre-sessions; 'smp-session-creation-failure': smp-session-creation-failure; 'truncated-pns-message': truncated-pns-message; 'truncated-pac-message': truncated-pac-message; 'mismatched-pns-call-id': mismatched-pns-call-id; 'mismatched-pac-call-id': mismatched-pac-call-id; 'retransmitted-pns-message': retransmitted-pns-message; 'retransmitted-pac-message': retransmitted-pac-message; 'truncated-gre-packet': truncated-gre-packet; 'unknown-gre-version': unknown-gre-version; 'no-matching-gre-session': no-matching-gre-session;

Type: string

Supported Values: all, current-smp-sessions, current-gre-sessions, smp-session-creation-failure, truncated-pns-message, truncated-pac-message, mismatched-pns-call-id, mismatched-pac-call-id, retransmitted-pns-message, retransmitted-pac-message, truncated-gre-packet, unknown-gre-version, no-matching-gre-session

2.48.45 ip nat alg pptp

PPTP ALG Settings

pptp Specification

Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/ip/nat/alg/pptp
Element Attributes	pptp_attributes
Statistics Data URI	/axapi/v3/ip/nat/alg/pptp/stats
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/alg/pptp

pptp attributes

```
POST /axapi/v3/ip/nat/alg/pptp
Payload:
{
    "pptp": {
        "pptp": "disable"
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/alg/pptp

pptp attributes

```
GET /axapi/v3/ip/nat/alg/pptp
Reponse:
{
    "pptp": {
        "pptp": "disable",
        "uuid": "f60ddfa4-60c3-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/alg/pptp"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/alg/pptp

pptp attributes

Replace Object

PUT

/axapi/v3/ip/nat/alg/pptp

pptp attributes

```
PUT /axapi/v3/ip/nat/alg/pptp
Payload:
{
    "pptp": {
        "sampling-enable": [
            {
                "counters1": "current-smp-sessions"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/alg/pptp

pptp attributes

```
DELETE /axapi/v3/ip/nat/alg/pptp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pptp attributes

pptp

Description 'disable': Disable PPTP NAT ALG; 'enable': Enable PPTP NAT ALG;

Type: string

Supported Values: disable, enable

Default: disable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current-smp-sessions': current-smp-sessions; 'current-gre-sessions': current-gre-sessions; 'smp-session-creation-failure': smp-session-creation-failure; 'truncated-pns-message': truncated-pns-message; 'truncated-pac-message': truncated-pac-message; 'mismatched-pns-call-id': mismatched-pns-call-id; 'mismatched-pac-call-id': mismatched-pac-call-id; 'retransmitted-pns-message': retransmitted-pns-message; 'retransmitted-pac-message': retransmitted-pac-message; 'truncated-gre-packet': truncated-gre-packet; 'unknown-gre-version': unknown-gre-version; 'no-matching-gre-session': no-matching-gre-session;

Type: string

Supported Values: all, current-smp-sessions, current-gre-sessions, smp-session-creation-failure, truncated-pns-message, truncated-pac-message, mismatched-pns-call-id, mismatched-pac-call-id, retransmitted-pns-message, retransmitted-pac-message, truncated-gre-packet, unknown-gre-version, no-matching-gre-session

stats data

	Counter	Size	Description
	truncated-gre-packet	8	truncated-gre-packet
	smp-session-creation-failure	8	smp-session-creation-failure
	mismatched-pns-call-id	8	mismatched-pns-call-id
	mismatched-pac-call-id	8	mismatched-pac-call-id
	current-gre-sessions	8	current-gre-sessions
	no-matching-gre-session	8	no-matching-gre-session
	truncated-pac-message	8	truncated-pac-message
	truncated-pns-message	8	truncated-pns-message
	unknown-gre-version	8	unknown-gre-version
	current-smp-sessions	8	current-smp-sessions
	retransmitted-pns-message	8	retransmitted-pns-message
	retransmitted-pac-message	8	retransmitted-pac-message

2.48.46 ip nat-global

IP NAT global settings

nat-global Specification

Type	*Configuration Resource*
Element Name	nat-global
Element URI	/axapi/v3/ip/nat-global
Element Attributes	nat-global_attributes
Schema	`nat-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat-global

nat-global attributes

```
POST /axapi/v3/ip/nat-global
Payload:
{
    "nat-global": {
        "reset-idle-tcp-conn": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/nat-global

nat-global attributes

```
GET /axapi/v3/ip/nat-global
Reponse:
{
    "nat-global": {
        "reset-idle-tcp-conn": 1,
        "uuid": "056f064e-60c4-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat-global"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat-global

nat-global attributes

Replace Object

PUT

/axapi/v3/ip/nat-global

nat-global attributes

```
PUT /axapi/v3/ip/nat-global
Payload:
{
    "nat-global": {
        "reset-idle-tcp-conn": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat-global

nat-global attributes

```
DELETE /axapi/v3/ip/nat-global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

nat-global attributes

reset-idle-tcp-conn

Description Reset Idle TCP Connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.47 ip nat icmp

Configure NAT ICMP settings

icmp Specification

Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/ip/nat/icmp
Element Attributes	icmp_attributes
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/icmp

icmp attributes

```
POST /axapi/v3/ip/nat/icmp
Payload:
{
    "icmp": {
        "always-source-nat-errors": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/icmp

icmp attributes

```
GET /axapi/v3/ip/nat/icmp
Reponse:
{
    "icmp": {
        "always-source-nat-errors": 1,
        "respond-to-ping": 0,
        "uuid": "1261231e-60c4-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/ip/nat/icmp

icmp attributes

```
PUT /axapi/v3/ip/nat/icmp
Payload:
{
    "icmp": {
        "always-source-nat-errors": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/icmp

icmp attributes

```
DELETE /axapi/v3/ip/nat/icmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp attributes

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.48 ip nat inside

Inside configuration for NAT

inside Specification

Type	*Intermediate Resource*
Element Name	inside
Element URI	/axapi/v3/ip/nat/inside
Element Attributes	inside_attributes
Schema	`inside schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/inside

inside_attributes

inside attributes

source

Description: source is a **JSON Block**. Please see below for *source*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source*

source

Specification	
Type	*object*

class-list

Description: class-list is a **JSON Block**. Please see below for *source_class-list*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source/class-list*

list

Description: list is a **JSON Block**. Please see below for *source_list*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source/list*

static-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}*

source_static-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

source_list

Specification	
Type	*object*

acl-id-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

source_list_acl-id-list-list

Specification	
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source_list_acl-name-list-list

Specification	
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source_class-list

Specification	
Type	*object*

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.49 ip nat inside source

Source

source Specification

Type	*Intermediate Resource*
Element Name	source
Element URI	/axapi/v3/ip/nat/inside/source
Element Attributes	source_attributes
Schema	`source schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/inside/source

source_attributes

source attributes

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source/class-list*

list

Description: list is a **JSON Block**. Please see below for *list*

Type: Object

Refernce Object: */axapi/v3/ip/nat/inside/source/list*

static-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}*

static-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

list

Specification	
Type	*object*

acl-id-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

list_acl-id-list-list

Specification	
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

list_acl-name-list-list

Specification	
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list

Specification	
Type	*object*

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.50 ip nat inside source class-list

Class List

class-list Specification

Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/ip/nat/inside/source/class-list
Element Attributes	class-list_attributes
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

```
POST /axapi/v3/ip/nat/inside/source/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

```
GET /axapi/v3/ip/nat/inside/source/class-list
Reponse:
{
    "class-list": {
        "name": "a",
        "uuid": "3af20af0-60c4-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/inside/source/class-list"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

```
PUT /axapi/v3/ip/nat/inside/source/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

```
DELETE /axapi/v3/ip/nat/inside/source/class-list
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

class-list attributes

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.51 ip nat inside source list

access-list-number

list Specification

Type	*Intermediate Resource*
Element Name	list
Element URI	/axapi/v3/ip/nat/inside/source/list
Element Attributes	list_attributes
Schema	`list schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/inside/source/list

list_attributes

list attributes

acl-id-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Refernce Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

acl-id-list-list

Specification	
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-name-list-list

Specification	
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.52 ip nat inside source list acl-id-list

Acl id

acl-id-list Specification

Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-id-list-list*
Collection URI	/axapi/v3/ip/nat/inside/source/list/acl-id-list
Element Name	acl-id-list
Element URI	/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}
Element Attributes	acl-id-list_attributes
Schema	`acl-id-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/inside/source/list/acl-id-list

acl-id-list attributes

```
POST /axapi/v3/ip/nat/inside/source/list/acl-id-list/
Payload:
{
    "acl-id-list": {
        "acl-id": 1,
        "pool": "a",
        "msl": 1
    }
}
```

Create List

POST

/axapi/v3/ip/nat/inside/source/list/acl-id-list

acl-id-list attributes

Get Object

GET

/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}

acl-id-list attributes

```
GET /axapi/v3/ip/nat/inside/source/list/acl-id-list/1
Reponse:
{
    "acl-id-list": {
        "acl-id": 1,
        "pool": "a",
        "msl": 1,
        "uuid": "557af8dc-60c4-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/inside/source/list/acl-id-list/1"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/inside/source/list/acl-id-list

acl-id-list-list

Modify Object

POST

/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}

acl-id-list attributes

Replace Object

PUT

/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}

acl-id-list attributes

```
PUT /axapi/v3/ip/nat/inside/source/list/acl-id-list/1
Payload:
{
    "acl-id-list": {
        "acl-id": 1,
        "pool": "a"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/inside/source/list/acl-id-list

acl-id-list-list

Delete Object

DELETE

/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}

acl-id-list attributes

```
DELETE /axapi/v3/ip/nat/inside/source/list/acl-id-list/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

acl-id-list-list

acl-id-list-list is **JSON List** of *acl-id-list attributes*

acl-id-list-list : [

{ *acl-id-list attributes* },

{ *acl-id-list attributes* },

...

]

acl-id-list attributes

acl-id

Description Acl id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.53 ip nat inside source list acl-name-list

Apply an access list

acl-name-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*acl-name-list-list*
Collection URI	/axapi/v3/ip/nat/inside/source/list/acl-name-list
Element Name	acl-name-list
Element URI	/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}
Element Attributes	acl-name-list_attributes
Schema	`acl-name-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/inside/source/list/acl-name-list

acl-name-list attributes

```
POST /axapi/v3/ip/nat/inside/source/list/acl-name-list/
Payload:
{
    "acl-name-list": {
        "name": "a",
        "pool": "a",
        "msl": 1
    }
}
```

Create List

POST

/axapi/v3/ip/nat/inside/source/list/acl-name-list

acl-name-list attributes

Get Object

GET

/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}

acl-name-list attributes

```
GET /axapi/v3/ip/nat/inside/source/list/acl-name-list/a
Reponse:
{
    "acl-name-list": {
        "name": "a",
        "pool": "a",
        "msl": 1,
        "uuid": "6fac918e-60c4-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/inside/source/list/acl-name-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/inside/source/list/acl-name-list

acl-name-list-list

Modify Object

POST

/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}

acl-name-list attributes

Replace Object

PUT

/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}

acl-name-list attributes

```
PUT /axapi/v3/ip/nat/inside/source/list/acl-name-list/a
Payload:
{
    "acl-name-list": {
        "name": "a",
        "pool": "a",
        "msl": 2
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/inside/source/list/acl-name-list

acl-name-list-list

Delete Object

DELETE

/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}

acl-name-list attributes

```
DELETE /axapi/v3/ip/nat/inside/source/list/acl-name-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

acl-name-list-list

acl-name-list-list is **JSON List** of *acl-name-list attributes*

acl-name-list-list : [

{ *acl-name-list attributes* },

{ *acl-name-list attributes* },

...

]

acl-name-list attributes

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.54 ip nat inside source static

Static Address Translations

static Specification

Type	*Collection*
Object Key(s)	*src-address, nat-address*
Collection Name	*static-list*
Collection URI	/axapi/v3/ip/nat/inside/source/static
Element Name	static
Element URI	/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}
Element Attributes	static_attributes
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/inside/source/static

static attributes

```
POST /axapi/v3/ip/nat/inside/source/static/
Payload:
{
    "static": {
        "nat-address": "3.3.3.4",
        "src-address": "3.3.3.3",
        "action": "enable"
    }
}
```

Create List

POST

/axapi/v3/ip/nat/inside/source/static

static attributes

Get Object

GET

/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}

static attributes

```
GET /axapi/v3/ip/nat/inside/source/static/3.3.3.3+3.3.3.4
Reponse:
{
    "static": {
        "src-address": "3.3.3.3",
        "nat-address": "3.3.3.4",
        "action": "enable",
        "uuid": "888a37ec-60c4-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/inside/source/static/3.3.3.3+3.3.3.4"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/inside/source/static

static-list

Modify Object

POST

/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}

static attributes

Replace Object

PUT

/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}

static attributes

```
PUT /axapi/v3/ip/nat/inside/source/static/3.3.3.3+3.3.3.4
Payload:
{
    "static": {
        "nat-address": "3.3.3.4",
        "src-address": "3.3.3.3",
        "action": "disable"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/inside/source/static

static-list

Delete Object

DELETE

/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}

static attributes

```
DELETE /axapi/v3/ip/nat/inside/source/static/3.3.3.3+3.3.3.4
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

2.48.55 ip nat nat-global

Debug statistics for IP NAT

nat-global Specification

Type	*Configuration Resource*
Element Name	nat-global
Element URI	/axapi/v3/ip/nat/nat-global
Element Attributes	nat-global_attributes
Statistics Data URI	/axapi/v3/ip/nat/nat-global/stats
Schema	`nat-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/nat-global

nat-global attributes

```
POST /axapi/v3/ip/nat/nat-global
Payload:
{
    "nat-global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/nat-global

nat-global attributes

```
GET /axapi/v3/ip/nat/nat-global
Reponse:
{
```

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```
    "nat-global": {
        "uuid": "e2cb8bf0-6c5f-11e9-b8b7-dbe69c1e923a",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/ip/nat/nat-global"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/nat-global

nat-global attributes

Replace Object

PUT

/axapi/v3/ip/nat/nat-global

nat-global attributes

```
PUT /axapi/v3/ip/nat/nat-global
Payload:
{
    "nat-global": {
        "sampling-enable": [
            {
                "counters1": "cross_cpu_helper_created"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/nat-global

nat-global attributes

```
DELETE /axapi/v3/ip/nat/nat-global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

nat-global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cross_cpu_helper_created': Cross CPU Helper Created; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper Standby; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found;

Type: string

Supported Values: all, cross_cpu_helper_created, cross_cpu_helper_free, cross_cpu_sent, cross_cpu_rcv, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_cpu_mismatch, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_deleted, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found

2.48.56 ip nat pool

Configure IP pool name

pool Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*pool-list*
Collection URI	/axapi/v3/ip/nat/pool
Element Name	pool
Element URI	/axapi/v3/ip/nat/pool/{pool-name}
Element Attributes	pool_attributes
Statistics Data URI	/axapi/v3/ip/nat/pool/{pool-name}/stats
Operational Data URI	/axapi/v3/ip/nat/pool/{pool-name}/oper
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool

pool attributes

```
POST /axapi/v3/ip/nat/pool/
Payload:
{
    "pool": {
        "pool-name": "a",
        "netmask": "/24",
        "end-address": "3.3.3.3",
        "start-address": "3.3.3.3",
        "gateway": "3.3.3.4"
    }
}
```

Create List

POST

/axapi/v3/ip/nat/pool

pool attributes

Get Object

GET

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

```
GET /axapi/v3/ip/nat/pool/a
Reponse:
{
    "pool": {
        "pool-name": "a",
```

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```
        "start-address": "3.3.3.3",
        "end-address": "3.3.3.3",
        "netmask": "/24",
        "gateway": "3.3.3.4",
        "ip-rr": 0,
        "port-overload": 0,
        "uuid": "b24b4a62-60c4-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/pool/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/pool

pool-list

Modify Object

POST

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

```
PUT /axapi/v3/ip/nat/pool/a
Payload:
{
    "pool": {
        "pool-name": "a",
        "netmask": "/24",
        "end-address": "3.3.3.3",
        "start-address": "3.3.3.3",
        "gateway": "3.3.3.4"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/pool

pool-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

```
DELETE /axapi/v3/ip/nat/pool/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

...

]

pool attributes

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface

Type: number

Format: interface

gateway

Description Configure gateway IP

Type: string

Format: ipv4-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

Mutual Exclusion: start-address and use-if-ip are mutually exclusive

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip and start-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

stats data

	Counter	Size	Description
	Failed	8	Failed
	Total-Used	8	Total-Used
	Total-Freed	8	Total-Freed
	Port-Usage	8	Port-Usage

operational data

	Counter	Size	Description
	nat-pool-addr-list		nat-pool-addr-list

2.48.57 ip nat pool-group

IP pool group name

pool-group Specification

Type	*Collection*
Object Key(s)	*pool-group-name*
Collection Name	*pool-group-list*
Collection URI	/axapi/v3/ip/nat/pool-group
Element Name	pool-group
Element URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}
Element Attributes	pool-group_attributes
Schema	`pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool-group

pool-group attributes

```
POST /axapi/v3/ip/nat/pool-group/
Payload:
{
    "pool-group": {
        "pool-group-name": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/nat/pool-group

pool-group attributes

Get Object

GET

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

```
GET /axapi/v3/ip/nat/pool-group/a
Reponse:
{
    "pool-group": {
        "pool-group-name": "a",
        "uuid": "d52b6f1c-60c4-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/pool-group/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/pool-group

pool-group-list

Modify Object

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

```
PUT /axapi/v3/ip/nat/pool-group/a
Payload:
{
```

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```
    "pool-group": {
        "pool-group-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/pool-group

pool-group-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

```
DELETE /axapi/v3/ip/nat/pool-group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pool-group-list

pool-group-list is **JSON List** of *pool-group attributes*

pool-group-list : [

{ *pool-group attributes* },

{ *pool-group attributes* },

...

]

pool-group attributes

member-list

Type: List

Refernce Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.58 ip nat pool-group member

Add a NAT pool to this pool-group

member Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*member-list*
Collection URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}/member
Element Name	member
Element URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}
Element Attributes	member_attributes
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member

member attributes

Create List

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member

member attributes

Get Object

GET

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Get List

GET

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member

member-list

Modify Object

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace List

PUT

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member

member-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.59 ip nat range-list

IP Source NAT Static range list

range-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*range-list-list*
Collection URI	/axapi/v3/ip/nat/range-list
Element Name	range-list
Element URI	/axapi/v3/ip/nat/range-list/{name}
Element Attributes	range-list_attributes
Schema	`range-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/range-list

range-list attributes

```
POST /axapi/v3/ip/nat/range-list/
Payload:
{
    "range-list": {
        "name": "a",
        "global-netmaskv4": "255.255.255.0",
        "v4-count": 1,
        "local-netmaskv4": "255.255.255.0",
        "local-start-ipv4-addr": "3.3.3.3",
        "global-start-ipv4-addr": "4.4.4.4",
        "v4-vrid": 1,
        "v4-acl-id": 1
    }
}
```

Create List

POST

/axapi/v3/ip/nat/range-list

range-list attributes

Get Object

GET

/axapi/v3/ip/nat/range-list/{name}

range-list attributes

```
GET /axapi/v3/ip/nat/range-list/a
Reponse:
{
    "range-list": {
        "name": "a",
        "local-start-ipv4-addr": "3.3.3.3",
        "local-netmaskv4": "255.255.255.0",
        "global-start-ipv4-addr": "4.4.4.4",
        "global-netmaskv4": "255.255.255.0",
        "v4-count": 1,
        "v4-acl-id": 1,
        "v4-vrid": 1,
        "uuid": "06ce43fa-60c5-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/range-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/range-list

range-list-list

Modify Object

POST

/axapi/v3/ip/nat/range-list/{name}

range-list attributes

Replace Object

PUT

/axapi/v3/ip/nat/range-list/{name}

range-list attributes

Replace List

PUT

/axapi/v3/ip/nat/range-list

range-list-list

Delete Object

DELETE

/axapi/v3/ip/nat/range-list/{name}

range-list attributes

```
DELETE /axapi/v3/ip/nat/range-list/a
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

range-list-list

range-list-list is **JSON List** of *range-list attributes*

range-list-list : [

{ *range-list attributes* },

{ *range-list attributes* },

...

]

range-list attributes

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

global-start-ipv6-addr

Description Global Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ipv6-addr

Description Local Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

name

Description Name for this Static List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-acl-id

Description Access list ID

Type: number

Range: 1-199

v4-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

v6-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v6-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v6-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Refernce Object: */axapi/v3/vrrp-a/vrid*

2.48.60 ip nat template

NAT behavior templates

template Specification

Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/ip/nat/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/template

template_attributes

template attributes

logging-list

Type: List

Refernce Object: */axapi/v3/ip/nat/template/logging/{name}*

logging-list

Specification	
Type	*list*
Block object keys	

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-rip-rport

Description Include the IP and port of real server in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *logging-list_log*

Type: Object

name

Description NAT logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

severity

Description: severity is a **JSON Block**. Please see below for *logging-list_severity*

Type: Object

source-port

Description: source-port is a **JSON Block**. Please see below for *logging-list_source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_severity

Specification	
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

logging-list_log

Specification	
Type	*object*

port-mappings

Description 'creation': Log creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable

logging-list_source-port

Specification	
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

2.48.61 ip nat template logging

NAT Logging Template

logging Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-list*
Collection URI	/axapi/v3/ip/nat/template/logging
Element Name	logging
Element URI	/axapi/v3/ip/nat/template/logging/{name}
Element Attributes	logging_attributes
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/template/logging

logging attributes

```
POST /axapi/v3/ip/nat/template/logging/
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/nat/template/logging

logging attributes

Get Object

GET

/axapi/v3/ip/nat/template/logging/{name}

logging attributes

```
GET /axapi/v3/ip/nat/template/logging/a
Reponse:
{
    "logging": {
        "name": "a",
```

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```
        "include-destination": 0,
        "include-rip-rport": 0,
        "facility": "local0",
        "severity": {
            "severity-string": "debug"
        },
        "source-port": {
            "source-port-num": 514
        },
        "uuid": "53322900-60c5-11d9-93c2-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ip/nat/template/logging/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/template/logging

logging-list

Modify Object

POST

/axapi/v3/ip/nat/template/logging/{name}

logging attributes

Replace Object

PUT

/axapi/v3/ip/nat/template/logging/{name}

logging attributes

```
PUT /axapi/v3/ip/nat/template/logging/a
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/template/logging

logging-list

Delete Object

DELETE

/axapi/v3/ip/nat/template/logging/{name}

logging attributes

```
DELETE /axapi/v3/ip/nat/template/logging/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

logging-list

logging-list is **JSON List** of *logging attributes*

logging-list : [

{ *logging attributes* },

{ *logging attributes* },

...

]

logging attributes

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-rip-rport

Description Include the IP and port of real server in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

name

Description NAT logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

severity

Description: severity is a **JSON Block**. Please see below for *severity*

Type: Object

source-port

Description: source-port is a **JSON Block**. Please see below for *source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

severity

Specification	
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

log

Specification	
Type	*object*

port-mappings

Description 'creation': Log creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable

source-port

Specification	
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

2.48.62 ip nat translation

Change or Disable NAT translation values

translation Specification

Type	*Configuration Resource*
Element Name	translation
Element URI	/axapi/v3/ip/nat/translation
Element Attributes	translation_attributes
Schema	`translation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/translation

translation attributes

```
POST /axapi/v3/ip/nat/translation
Payload:
{
    "translation": {
        "service-timeout-list": [
            {
                "timeout-val": 2,
                "service-type": "tcp",
                "timeout-type": "age",
                "port": 1
            }
        ],
        "icmp-timeout": {
            "icmp-timeout-val": 2,
            "icmp-timeout": "age"
        }
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/translation

translation attributes

```
GET /axapi/v3/ip/nat/translation
Reponse:
{
    "translation": {
        "icmp-timeout": {
            "icmp-timeout": "age",
            "icmp-timeout-val": 2
        },
        "tcp-timeout": 300,
        "udp-timeout": 300,
        "ignore-tcp-msl": 0,
        "uuid": "04427b42-c86b-11e9-ba2d-9778838992f8",
        "service-timeout-list": [
            {
                "service-type": "tcp",
                "port": 1,
                "timeout-type": "age",
                "timeout-val": 2,
                "uuid": "7c86cf68-60c5-11d9-93c2-001fa00680a0",
                "a10-url": "/axapi/v3/ip/nat/translation/service-timeout/tcp+1"
            }
        ],
        "a10-url": "/axapi/v3/ip/nat/translation"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/translation

translation attributes

Replace Object

PUT

/axapi/v3/ip/nat/translation

translation attributes

```
PUT /axapi/v3/ip/nat/translation
Payload:
{
    "translation": {
        "service-timeout-list": [
            {
                "service-type": "tcp",
                "timeout-type": "fast",
                "port": 1
            }
```

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```
        ],
        "icmp-timeout": {
            "icmp-timeout-val": 3,
            "icmp-timeout": "age"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/translation

translation attributes

```
DELETE /axapi/v3/ip/nat/translation
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

translation attributes

icmp-timeout

Description: icmp-timeout is a **JSON Block**. Please see below for *icmp-timeout*

Type: Object

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-timeout-list

Type: List

Refernce Object: */axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}*

tcp-timeout

Description TCP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

udp-timeout

Description UDP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-timeout-list

Specification	
Type	*list*
Block object keys	

port

Description Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-type

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-timeout

Specification	
Type	*object*

icmp-timeout

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

Default: fast

icmp-timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

2.48.63 ip nat translation service-timeout

Specify any custom service timeout

service-timeout Specification

Type	*Collection*
Object Key(s)	*service-type, port*
Collection Name	*service-timeout-list*
Collection URI	/axapi/v3/ip/nat/translation/service-timeout
Element Name	service-timeout
Element URI	/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}
Element Attributes	service-timeout_attributes
Schema	`service-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/translation/service-timeout

service-timeout attributes

```
POST /axapi/v3/ip/nat/translation/service-timeout/
Payload:
{
    "service-timeout": {
        "timeout-val": 2,
        "service-type": "tcp",
```

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```
        "timeout-type": "age",
        "port": 1
    }
}
```

Create List

POST

/axapi/v3/ip/nat/translation/service-timeout

service-timeout attributes

Get Object

GET

/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
GET /axapi/v3/ip/nat/translation/service-timeout/tcp+1
Reponse:
{
    "service-timeout": {
        "service-type": "tcp",
        "port": 1,
        "timeout-type": "age",
        "timeout-val": 2,
        "uuid": "9745230e-60c5-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ip/nat/translation/service-timeout/tcp+1"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/translation/service-timeout

service-timeout-list

Modify Object

POST

/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}

service-timeout attributes

Replace Object

PUT

/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
PUT /axapi/v3/ip/nat/translation/service-timeout/tcp+1
Payload:
{
```

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```
    "service-timeout": {
        "timeout-val": 3,
        "service-type": "tcp",
        "timeout-type": "age",
        "port": 1
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/translation/service-timeout

service-timeout-list

Delete Object

DELETE

/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
DELETE /axapi/v3/ip/nat/translation/service-timeout/tcp+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

service-timeout-list

service-timeout-list is **JSON List** of *service-timeout attributes*

service-timeout-list : [

{ *service-timeout attributes* },

{ *service-timeout attributes* },

...

]

service-timeout attributes

port

Description Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-type

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.64 ip prefix-list

Configure Prefix-list

prefix-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*prefix-list-list*
Collection URI	/axapi/v3/ip/prefix-list
Element Name	prefix-list
Element URI	/axapi/v3/ip/prefix-list/{name}
Element Attributes	prefix-list_attributes
Schema	`prefix-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/prefix-list

prefix-list attributes

```
POST /axapi/v3/ip/prefix-list/
Payload:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 1,
                "description": "a"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/prefix-list

prefix-list attributes

Get Object

GET

/axapi/v3/ip/prefix-list/{name}

prefix-list attributes

```
GET /axapi/v3/ip/prefix-list/a
Reponse:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 1,
                "description": "a"
            }
        ],
        "uuid": "cb2facf2-60c0-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/prefix-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip/prefix-list

prefix-list-list

Modify Object

POST

/axapi/v3/ip/prefix-list/{name}

prefix-list attributes

Replace Object

PUT

/axapi/v3/ip/prefix-list/{name}

prefix-list attributes

```
PUT /axapi/v3/ip/prefix-list/a
Payload:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 2,
                "description": "abc"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/prefix-list

prefix-list-list

Delete Object

DELETE

/axapi/v3/ip/prefix-list/{name}

prefix-list attributes

```
DELETE /axapi/v3/ip/prefix-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

prefix-list-list

prefix-list-list is **JSON List** of *prefix-list attributes*

prefix-list-list : [

{ *prefix-list attributes* },

{ *prefix-list attributes* },

...

]

prefix-list attributes

name

Description Name of a prefix list

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	
Type	*list*
Block object keys	

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

any

Description Any prefix match. Same as "0.0.0.0/0 le 32"

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Prefix-list specific description (Up to 80 characters describing this prefix-list)

Type: string

Maximum Length: 80 characters

Maximum Length: 1 characters

ge

Description Minimum prefix length to be matched

Type: number

Range: 0-32

ipaddr

Description IP prefix, e.g., 35.0.0.0/8

Type: string

Format: ipv4-cidr

le

Description Maximum prefix length to be matched

Type: number

Range: 0-32

seq

Description Sequence number of an entry

Type: number

Range: 1-4294967295

2.48.65 ip reroute

reroute sessions

reroute Specification

Type	*Configuration Resource*
Element Name	reroute
Element URI	/axapi/v3/ip/reroute
Element Attributes	reroute_attributes
Schema	`reroute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/reroute

reroute attributes

Get Object

GET

/axapi/v3/ip/reroute

reroute attributes

Modify Object

POST

/axapi/v3/ip/reroute

reroute attributes

Replace Object

PUT

/axapi/v3/ip/reroute

reroute attributes

Delete Object

DELETE

/axapi/v3/ip/reroute

reroute attributes

reroute attributes

suppress-protocols

Description: suppress-protocols is a **JSON Block**. Please see below for *suppress-protocols*

Type: Object

Refernce Object: */axapi/v3/ip/reroute/suppress-protocols*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

suppress-protocols

Specification	
Type	*object*

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.66 ip reroute suppress-protocols

suppress protocols

suppress-protocols Specification

Type	*Configuration Resource*
Element Name	suppress-protocols
Element URI	/axapi/v3/ip/reroute/suppress-protocols
Element Attributes	suppress-protocols_attributes
Schema	`suppress-protocols schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

Get Object

GET

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

Modify Object

POST

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

Replace Object

PUT

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

Delete Object

DELETE

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

suppress-protocols attributes

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.67 ip rib

Establish static routes

rib Specification

Type	*Configuration Resource*
Element Name	rib
Element URI	/axapi/v3/ip/rib
Element Attributes	rib_attributes
Operational Data URI	/axapi/v3/ip/rib/oper
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/rib

rib attributes

Get Object

GET

/axapi/v3/ip/rib

rib attributes

Modify Object

POST

/axapi/v3/ip/rib

rib attributes

Replace Object

PUT

/axapi/v3/ip/rib

rib attributes

Delete Object

DELETE

/axapi/v3/ip/rib

rib attributes

rib attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	Total	number	Total
	Limit	number	Limit
	Description	string-rlx	Description
	IPv4-routes		IPv4-routes
	Total Paths	number	Total Paths

2.48.68 ip route

Establish static routes

route Specification

Type	*Intermediate Resource*
Element Name	route
Element URI	/axapi/v3/ip/route
Element Attributes	route_attributes
Schema	`route schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/route

route_attributes

route attributes

rib-list

Type: List

Refernce Object: */axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}*

static

Description: static is a **JSON Block**. Please see below for *static*

Type: Object

Refernce Object: */axapi/v3/ip/route/static*

rib-list

Specification	
Type	*list*
Block object keys	

ip-dest-addr

Description Destination prefix

Type: string

Format: ipv4-address

ip-mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask-brief

ip-nexthop-ipv4

Type: List

ip-nexthop-lif

Type: List

ip-nexthop-partition

Type: List

ip-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rib-list_ip-nexthop-lif

Specification	
Type	*list*
Block object keys	

description-nexthop-lif

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lif

Description LIF Interface (Logical tunnel interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

rib-list_ip-nexthop-ipv4

Specification	
Type	*list*
Block object keys	

description-nexthop-ip

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-ip

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop

Description Forwarding router's address

Type: string

Format: ipv4-address

rib-list_ip-nexthop-tunnel

Specification	
Type	*list*
Block object keys	

description-nexthop-tunnel

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop-tunnel

Description Forwarding router's address

Type: string

Format: ipv4-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

rib-list_ip-nexthop-partition

Specification	
Type	*list*
Block object keys	

description-nexthop-partition

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

description-partition-vrid

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition-name

Description Name of network partition

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

vrid-num-in-partition

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

static

Specification	
Type	*object*

bfd-list

Type: List

Refernce Object: */axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}*

static_bfd-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ip

Description Local IP address

Type: string

Format: ipv4-address

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.69 ip route rib

Establish static routes

rib Specification

Type	*Collection*
Object Key(s)	*ip-dest-addr, ip-mask*
Collection Name	*rib-list*
Collection URI	/axapi/v3/ip/route/rib
Element Name	rib
Element URI	/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}
Element Attributes	rib_attributes
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/route/rib

rib attributes

```
POST /axapi/v3/ip/route/rib/
Payload:
{
    "rib": {
        "ip-mask": "/24",
        "ip-dest-addr": "3.3.3.0",
        "ip-nexthop-ipv4": [
            {
                "ip-next-hop": "4.3.3.5",
                "distance-nexthop-ip": 1
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/route/rib

rib attributes

Get Object

GET

/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}

rib attributes

```
GET /axapi/v3/ip/route/rib/3.3.3.0+%2f24
Reponse:
{
    "rib": {
        "ip-dest-addr": "3.3.3.0",
        "ip-mask": "/24",
        "ip-nexthop-ipv4": [
            {
                "ip-next-hop": "4.3.3.5",
                "distance-nexthop-ip": 1
            }
        ],
        "uuid": "efcc4ade-60c0-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/route/rib/3.3.3.0+%2F24"
    }
}
```

Get List

GET

/axapi/v3/ip/route/rib

rib-list

Modify Object

POST

/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}

rib attributes

Replace Object

PUT

/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}

rib attributes

```
PUT /axapi/v3/ip/route/rib/3.3.3.0+%2f24
Payload:
{
    "rib": {
        "ip-mask": "/24",
        "ip-dest-addr": "3.3.3.0",
        "ip-nexthop-ipv4": [
            {
                "ip-next-hop": "4.3.3.6",
                "distance-nexthop-ip": 2
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/route/rib

rib-list

Delete Object

DELETE

/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}

rib attributes

```
DELETE /axapi/v3/ip/route/rib/3.3.3.0+%2f24
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rib-list

rib-list is **JSON List** of *rib attributes*

rib-list : [

{ *rib attributes* },

{ *rib attributes* },

...

]

rib attributes

ip-dest-addr

Description Destination prefix

Type: string

Format: ipv4-address

ip-mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask-brief

ip-nexthop-ipv4

Type: List

ip-nexthop-lif

Type: List

ip-nexthop-partition

Type: List

ip-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-nexthop-lif

Specification	
Type	*list*
Block object keys	

description-nexthop-lif

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lif

Description LIF Interface (Logical tunnel interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

ip-nexthop-ipv4

Specification	
Type	*list*
Block object keys	

description-nexthop-ip

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-ip

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop

Description Forwarding router's address

Type: string

Format: ipv4-address

ip-nexthop-tunnel

Specification	
Type	*list*
Block object keys	

description-nexthop-tunnel

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop-tunnel

Description Forwarding router's address

Type: string

Format: ipv4-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

ip-nexthop-partition

Specification	
Type	*list*
Block object keys	

description-nexthop-partition

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

description-partition-vrid

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition-name

Description Name of network partition

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

vrid-num-in-partition

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

2.48.70 ip route static

Allow static routes

static Specification

Type	*Intermediate Resource*
Element Name	static
Element URI	/axapi/v3/ip/route/static
Element Attributes	static_attributes
Schema	`static schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/route/static

static_attributes

static attributes

bfd-list

Type: List

Refernce Object: */axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}*

bfd-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ip

Description Local IP address

Type: string

Format: ipv4-address

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.71 ip route static bfd

Bidirectional Forwarding Detection

bfd Specification

Type	*Collection*
Object Key(s)	*local-ip, nexthop-ip*
Collection Name	*bfd-list*
Collection URI	/axapi/v3/ip/route/static/bfd
Element Name	bfd
Element URI	/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/route/static/bfd

bfd attributes

```
POST /axapi/v3/ip/route/static/bfd/
Payload:
{
    "bfd": {
        "local-ip": "3.3.3.3",
        "nexthop-ip": "3.3.3.3",
        "threshold": 1,
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/route/static/bfd

bfd attributes

Get Object

GET

/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}

bfd attributes

```
GET /axapi/v3/ip/route/static/bfd/3.3.3.3+3.3.3.3
Reponse:
```

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```
{
    "bfd": {
        "local-ip": "3.3.3.3",
        "nexthop-ip": "3.3.3.3",
        "template": "a",
        "threshold": 1,
        "action": "down",
        "uuid": "41452dea-60c1-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ip/route/static/bfd/3.3.3.3+3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/ip/route/static/bfd

bfd-list

Modify Object

POST

/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}

bfd attributes

Replace Object

PUT

/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}

bfd attributes

```
PUT /axapi/v3/ip/route/static/bfd/3.3.3.3+3.3.3.3
Payload:
{
    "bfd": {
        "local-ip": "3.3.3.3",
        "nexthop-ip": "3.3.3.3",
        "threshold": 2,
        "action": "down",
        "template": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip/route/static/bfd

bfd-list

Delete Object

DELETE

/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}

bfd attributes

```
DELETE /axapi/v3/ip/route/static/bfd/3.3.3.3+3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bfd-list

bfd-list is **JSON List** of *bfd attributes*

bfd-list : [

{ *bfd attributes* },

{ *bfd attributes* },

...

]

bfd attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ip

Description Local IP address

Type: string

Format: ipv4-address

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.72 ip tcp

Global TCP parameters

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/ip/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/tcp

tcp attributes

```
POST /axapi/v3/ip/tcp
Payload:
{
    "tcp": {
        "syn-cookie": {
            "threshold": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/ip/tcp

tcp attributes

```
GET /axapi/v3/ip/tcp
Reponse:
{
    "tcp": {
        "syn-cookie": {
            "threshold": 1
        },
        "uuid": "e2cb89d4-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/ip/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/ip/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/ip/tcp

tcp attributes

```
PUT /axapi/v3/ip/tcp
Payload:
{
    "tcp": {
        "syn-cookie": {
            "threshold": 2
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/tcp

tcp attributes

```
DELETE /axapi/v3/ip/tcp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp attributes

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *syn-cookie*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syn-cookie

Specification	
Type	*object*

sack-enable

Description Enable HW Syn-Cookie SACK support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description SYN cookie expire threshold (seconds (default is 4))

Type: number

Range: 1-100

Default: 4

2.48.73 ip unnumbered

unnumbered feature

unnumbered Specification

Type	*Configuration Resource*
Element Name	unnumbered
Element URI	/axapi/v3/ip/unnumbered
Element Attributes	unnumbered_attributes
Schema	`unnumbered schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/unnumbered

unnumbered attributes

Get Object

GET

/axapi/v3/ip/unnumbered

unnumbered attributes

Modify Object

POST

/axapi/v3/ip/unnumbered

unnumbered attributes

Replace Object

PUT

/axapi/v3/ip/unnumbered

unnumbered attributes

Delete Object

DELETE

/axapi/v3/ip/unnumbered

unnumbered attributes

unnumbered attributes

use-source-ip

Description: use-source-ip is a **JSON Block**. Please see below for *use-source-ip*

Type: Object

Refernce Object: */axapi/v3/ip/unnumbered/use-source-ip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-source-ip

Specification	
Type	*object*

update-source-ip

Description IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.48.74 ip unnumbered use-source-ip

Source IP address

use-source-ip Specification

Type	*Configuration Resource*
Element Name	use-source-ip
Element URI	/axapi/v3/ip/unnumbered/use-source-ip
Element Attributes	use-source-ip_attributes
Schema	`use-source-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

Get Object

GET

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

Modify Object

POST

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

Replace Object

PUT

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

Delete Object

DELETE

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

use-source-ip attributes

update-source-ip

Description IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.49 ip-list

Objects:

2.49.1 ip-list

Configure ip list

ip-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*ip-list-list*
Collection URI	/axapi/v3/ip-list
Element Name	ip-list
Element URI	/axapi/v3/ip-list/{name}
Element Attributes	ip-list_attributes
Schema	`ip-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip-list

ip-list attributes

```
POST /axapi/v3/ip-list/
Payload:
{
    "ip-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ip-list

ip-list attributes

Get Object

GET

/axapi/v3/ip-list/{name}

ip-list attributes

```
GET /axapi/v3/ip-list/a
Reponse:
{
    "ip-list": {
        "name": "a",
        "uuid": "8fc9d930-60c0-11d9-b64f-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ip-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip-list

ip-list-list

Modify Object

POST

/axapi/v3/ip-list/{name}

ip-list attributes

Replace Object

PUT

/axapi/v3/ip-list/{name}

ip-list attributes

```
PUT /axapi/v3/ip-list/a
Payload:
{
    "ip-list": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip-list

ip-list-list

Delete Object

DELETE

/axapi/v3/ip-list/{name}

ip-list attributes

```
DELETE /axapi/v3/ip-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ip-list-list

ip-list-list is **JSON List** of *ip-list attributes*

ip-list-list : [

{ *ip-list attributes* },

{ *ip-list attributes* },

...

]

ip-list attributes

ipv4-config

Type: List

ipv6-config

Type: List

ipv6-prefix-config

Type: List

name

Description Specify name of the ip list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-config

Specification	
Type	*list*
Block object keys	

ipv6-end-addr

Description IPv6 Range End Address

Type: string

Format: ipv6-address

ipv6-start-addr

Description IPv6 Range Start Address / IPv6 Address

Type: string

Format: ipv6-address

ipv4-config

Specification	
Type	*list*
Block object keys	

ipv4-end-addr

Description IPv4 Range End Address

Type: string

Format: ipv4-address

ipv4-start-addr

Description IPv4 Range Start Address / IPv4 Address

Type: string

Format: ipv4-address

ipv6-prefix-config

Specification	
Type	*list*
Block object keys	

count

Description Number of IPv6 prefixes

Type: number

Range: 1-2147483647

ipv6-addr-prefix

Description IPv6 Prefix Range Start / IPv6 Prefix

Type: string

Format: ipv6-address-plen

ipv6-prefix-to

Description IPv6 Prefix Range End

Type: string

Format: ipv6-address-plen

2.50 ipv4-in-ipv6

Objects:

2.50.1 ipv4-in-ipv6

Global IPv4-in-IPv6 configuration subcommands

ipv4-in-ipv6 Specification

Type	*Intermediate Resource*
Element Name	ipv4-in-ipv6
Element URI	/axapi/v3/ipv4-in-ipv6
Element Attributes	ipv4-in-ipv6_attributes
Schema	`ipv4-in-ipv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv4-in-ipv6

ipv4-in-ipv6_attributes

ipv4-in-ipv6 attributes

frag

Description: frag is a **JSON Block**. Please see below for *frag*

Type: Object

Refernce Object: */axapi/v3/ipv4-in-ipv6/frag*

frag

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

frag_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

2.50.2 ipv4-in-ipv6 frag

IPv4-in-IPv6 fragmentation parameters

frag Specification

Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv4-in-ipv6/frag
Element Attributes	frag_attributes
Statistics Data URI	/axapi/v3/ipv4-in-ipv6/frag/stats
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

```
POST /axapi/v3/ipv4-in-ipv6/frag
Payload:
{
    "frag": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

```
GET /axapi/v3/ipv4-in-ipv6/frag
Reponse:
{
    "frag": {
        "uuid": "0446adac-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/ipv4-in-ipv6/frag"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

Replace Object

PUT

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

```
PUT /axapi/v3/ipv4-in-ipv6/frag
Payload:
{
    "frag": {
        "sampling-enable": [
            {
                "counters1": "session-inserted"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

```
DELETE /axapi/v3/ipv4-in-ipv6/frag
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

frag attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

stats data

	Counter	Size	Description
	cpu-threshold-drop	8	High CPU Drop
	icmpv6-rcv	8	ICMPv6 Received
	tcp-rcv	8	TCP Received
	other-rcv	8	Other Received
	udp-dropped	8	UDP Dropped
	bad-ip-len	8	Bad IP Length
	first-l4-too-small	8	First L4 Fragment Too Small Drop
	no-session-memory	8	Out of Session Memory
	unaligned-len	8	Payload Length Unaligned
	icmp-dropped	8	ICMP Dropped
	udp-rcv	8	UDP Received
	exceeded-len	8	Payload Length Out of Bounds
	fragment-queue-success	8	Fragment Queue Success
	first-gtp-packet-too-small	8	First GTP Fragment Too Small Drop
	fragment-queue-failure	8	Fragment Queue Failure
	total-fragments-exceeded	8	Total Queued Fragments Exceeded
	tcp-dropped	8	TCP Dropped
	low-cpu-threshold	8	Low CPU Threshold Reached
	ipip-dropped	8	IP-in-IP Dropped
	total-sessions-exceeded	8	Total Sessions Exceeded Drop
	error-drop	8	Fragment Processing Drop
	overlap-error	8	Overlapping Fragment Dropped
	ipv6ip-rcv	8	IPv6-in-IP Received
	session-expired	8	Session Expired
	sctp-rcv	8	SCTP Received
	policy-drop	8	MTU Exceeded Policy Drop
	icmp-rcv	8	ICMP Received
	session-packets-exceeded	8	Session Max Packets Exceeded

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	Counter	Size	Description
	duplicate-first-frag	8	Duplicate First Fragment
	reassembly-success	8	Fragment Reassembly Success
	sctp-dropped	8	SCTP Dropped
	ipd-entry-drop	8	DDoS Protection Drop
	too-small	8	Fragment Too Small Drop
	ipv6ip-dropped	8	IPv6-in-IP Dropped
	session-inserted	8	Session Inserted
	max-len-exceeded	8	Fragment Max Data Length Exceeded
	max-packets-exceeded	8	Too Many Packets Per Reassembly Drop
	other-dropped	8	Other Dropped
	first-tcp-too-small	8	First TCP Fragment Too Small Drop
	high-cpu-threshold	8	High CPU Threshold Reached
	fast-aging-set	8	Fragmentation Fast Aging Set
	ipip-rcv	8	IP-in-IP Received
	icmpv6-dropped	8	ICMPv6 Dropped
	fast-aging-unset	8	Fragmentation Fast Aging Unset
	reassembly-failure	8	Fragment Reassembly Failure
	duplicate-last-frag	8	Duplicate Last Fragment

2.51 ipv6

Objects:

2.51.1 ipv6

Global IP configuration subcommands

ipv6 Specification

Type	*Intermediate Resource*
Element Name	ipv6
Element URI	/axapi/v3/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6

ipv6_attributes

ipv6 attributes

access-list-list

Type: List

Refernce Object: */axapi/v3/ipv6/access-list/{name}*

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

Refernce Object: */axapi/v3/ipv6/address*

default-gateway

Description: default-gateway is a **JSON Block**. Please see below for *default-gateway*

Type: Object

Refernce Object: */axapi/v3/ipv6/default-gateway*

fib

Description: fib is a **JSON Block**. Please see below for *fib*

Type: Object

Refernce Object: */axapi/v3/ipv6/fib*

fib-summary

Description: fib-summary is a **JSON Block**. Please see below for *fib-summary*

Type: Object

Refernce Object: */axapi/v3/ipv6/fib-summary*

frag

Description: frag is a **JSON Block**. Please see below for *frag*

Type: Object

Refernce Object: */axapi/v3/ipv6/frag*

icmpv6

Description: icmpv6 is a **JSON Block**. Please see below for *icmpv6*

Type: Object

Refernce Object: */axapi/v3/ipv6/icmpv6*

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

Refernce Object: */axapi/v3/ipv6/nat*

neighbor

Description: neighbor is a **JSON Block**. Please see below for *neighbor*

Type: Object

Refernce Object: */axapi/v3/ipv6/neighbor*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/ipv6/ospf*

prefix-list-list

Type: List

Refernce Object: */axapi/v3/ipv6/prefix-list/{name}*

reroute

Description: reroute is a **JSON Block**. Please see below for *reroute*

Type: Object

Refernce Object: */axapi/v3/ipv6/reroute*

rib

Description: rib is a **JSON Block**. Please see below for *rib*

Type: Object

Refernce Object: */axapi/v3/ipv6/rib*

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

Refernce Object: */axapi/v3/ipv6/route*

unnumbered

Description: unnumbered is a **JSON Block**. Please see below for *unnumbered*

Type: Object

Refernce Object: */axapi/v3/ipv6/unnumbered*

frag

Specification	
Type	*object*

frag-timeout

Description in milliseconds 4 - 16000 (default is 1000)

Type: number

Range: 4-65535

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

frag_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue

Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

nat

Specification	
Type	*object*

icmpv6

Description: icmpv6 is a **JSON Block**. Please see below for *nat_icmpv6*

Type: Object

Refernce Object: */axapi/v3/ipv6/nat/icmpv6*

inside

Description: inside is a **JSON Block**. Please see below for *nat_inside*

Type: Object

Refernce Object: */axapi/v3/ipv6/nat/inside*

pool-group-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/pool/{pool-name}*

nat_icmpv6

Specification	
Type	*object*

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_pool-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat_pool-group-list_member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *nat_inside_source*

Type: Object

Refernce Object: */axapi/v3/ipv6/nat/inside/source*

nat_inside_source

Specification	
Type	*object*

list-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/inside/source/list/{list-name}*

nat_inside_source_list-list

Specification	
Type	*list*
Block object keys	

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_pool-list

Specification	
Type	*list*
Block object keys	

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv6-address

gateway

Description Configure gateway IP

Type: string

Format: ipv6-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: number

Range: 64-128

pool-name

Description Specify pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat_pool-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Port-Usage': Port-Usage; 'Total-Used': Total-Used; 'Total-Freed': Total-Freed; 'Failed': Failed;

Type: string

Supported Values: all, Port-Usage, Total-Used, Total-Freed, Failed

fib-summary

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

display-route-single-line

Description Print an entry in single line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route

Specification	
Type	*object*

rib-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/rib/{ipv6-address}*

static

Description: static is a **JSON Block**. Please see below for *route_static*

Type: Object

Refernce Object: */axapi/v3/ipv6/route/static*

route_rib-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

ipv6-nexthop-ipv6

Type: List

ipv6-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_rib-list_ipv6-nexthop-tunnel

Specification	
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ipv6-nexthop-tunnel-addr

Description Forwarding router's address

Type: string

Format: ipv6-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

route_rib-list_ipv6-nexthop-ipv6

Specification	
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ethernet

Description Ethernet interface (Ethernet interface number)

Type: number

Format: interface

ipv6-nexthop

Description Forwarding router's address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ve

Description Virtual Ethernet interface (Virtual Ethernet interface number)

Type: number

Format: interface

route_static

Specification	
Type	*object*

bfd

Description: bfd is a **JSON Block**. Please see below for *route_static_bfd*

Type: Object

Refernce Object: */axapi/v3/ipv6/route/static/bfd*

route_static_bfd

Specification	
Type	*object*

bfd-ipv6-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}*

ethernet-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}*

trunk-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}*

ve-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}*

route_static_bfd_bfd-ipv6-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_static_bfd_ethernet-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_static_bfd_trunk-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_static_bfd_ve-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

access-list-list

Specification	
Type	*list*
Block object keys	

name

Description Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

rules

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list-list_rules

Specification	
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code icmp-code and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type icmp-type and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-anydst-host, dst-subnet and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eqdst-gt, dst-lt and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gtdst-eq, dst-lt and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv6-address

Mutual Exclusion: dst-hostdst-any, dst-subnet and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-ltdst-eq, dst-gt and dst-range are mutually exclusive

dst-object-group

Description Destination network object group name (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-groupdst-any, dst-host and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-rangedst-eq, dst-gt and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: dst-subnetdst-any, dst-host and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description Specify geo-location name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: geo-locationicmp, tcp, udp, ipv6 and service-obj-group are mutually exclusive

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmptcp, udp, ipv6, service-obj-group and geo-location are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code any-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type any-type and special-type are mutually exclusive

ipv6

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipv6icmp, tcp, udp, service-obj-group and geo-location are mutually exclusive

remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-num

Description Sequence Number

Type: number

Range: 1-8192

service-obj-group

Description Service object group (Source object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-groupicmp, tcp, udp, ipv6 and geo-location are mutually exclusive

special-code

Description 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-code any-code and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 129, echo reply; 'echo-request': help Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded; 'dest-unreachable': Type 1, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, packet-too-big, param-prob, time-exceeded, dest-unreachable

Mutual Exclusion: special-type icmp-type and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-anysrc-host, src-subnet and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eqsrc-gt, src-lt and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gtsrc-eq, src-lt and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv6-address

Mutual Exclusion: src-hostsrc-any, src-subnet and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-ltsrc-eq, src-gt and src-range are mutually exclusive

src-object-group

Description Network object group (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-groupsrc-any, src-host and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-rangesrc-eq, src-gt and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-subnetsrc-any, src-host and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcpicmp, udp, ipv6, service-obj-group and geo-location are mutually exclusive

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udpicmp, tcp, ipv6, service-obj-group and geo-location are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

fib

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmpv6

Specification	
Type	*object*

redirect

Description Disable outbound ICMPv6 redirect messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unreachable

Description Disable outbound ICMPv6 unreachable messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

default-gateway

Specification	
Type	*object*

ipv6-default-gateway

Description Default gateway address

Type: string

Format: ipv6-address

Refernce Object: */axapi/v3/ipv6/address*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor

Specification	
Type	*object*

dynamic

Description: dynamic is a **JSON Block**. Please see below for *neighbor_dynamic*

Type: Object

Refernce Object: */axapi/v3/ipv6/neighbor/dynamic*

static-list

Type: List

Refernce Object: */axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}*

neighbor_dynamic

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_static-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet trunk and tunnel are mutually exclusive

ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

mac

Description MAC Address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk ethernet and tunnel are mutually exclusive

tunnel

Description Tunnel interface

Type: number

Range: 1-128

Mutual Exclusion: tunnel ethernet and trunk are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

address

Specification	
Type	*object*

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: anycast and link-local are mutually exclusive

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: link-local and anycast are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reroute

Specification	
Type	*object*

suppress-protocols

Description: suppress-protocols is a **JSON Block**. Please see below for *reroute_suppress-protocols*

Type: Object

Refernce Object: */axapi/v3/ipv6/reroute/suppress-protocols*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reroute_suppress-protocols

Specification	
Type	*object*

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-list-list

Specification	
Type	*list*
Block object keys	

name

Description Name of a prefix list

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-list-list_rules

Specification	
Type	*list*
Block object keys	

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

any

Description Any prefix match. Same as "::0/0 le le 128"

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Prefix-list specific description (Up to 80 characters describing this prefix-list)

Type: string

Maximum Length: 80 characters

Maximum Length: 1 characters

ge

Description Minimum prefix length to be matched

Type: number

Range: 0-128

ipaddr

Description IPv6 prefix, e.g., 3ffe::/16

Type: string

Format: ipv6-address-plen

le

Description Maximum prefix length to be matched

Type: number

Range: 0-128

seq

Description Sequence number of an entry

Type: number

Range: 1-4294967295

unnumbered

Specification	
Type	*object*

use-source-acl

Description Access List, Upon deny packet's source address will be NATed (ACL Name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

use-source-ipv6

Description: use-source-ipv6 is a **JSON Block**. Please see below for *unnumbered_use-source-ipv6*

Type: Object

Refernce Object: */axapi/v3/ipv6/unnumbered/use-source-ipv6*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unnumbered_use-source-ipv6

Specification	
Type	*object*

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rib

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.2 ipv6 access-list

Configure a IPv6 Access List

access-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*access-list-list*
Collection URI	/axapi/v3/ipv6/access-list
Element Name	access-list
Element URI	/axapi/v3/ipv6/access-list/{name}
Element Attributes	access-list_attributes
Schema	`access-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/access-list

access-list attributes

```
POST /axapi/v3/ipv6/access-list/
Payload:
{
    "access-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/access-list

access-list attributes

Get Object

GET

/axapi/v3/ipv6/access-list/{name}

access-list attributes

```
GET /axapi/v3/ipv6/access-list/a
Reponse:
{
    "access-list": {
        "name": "a",
        "uuid": "5b9a512a-4dfb-11e9-8b76-000c2940c949",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ipv6/access-list/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/access-list

access-list-list

Modify Object

POST

/axapi/v3/ipv6/access-list/{name}

access-list attributes

Replace Object

PUT

/axapi/v3/ipv6/access-list/{name}

access-list attributes

```
PUT /axapi/v3/ipv6/access-list/a
Payload:
{
    "access-list": {
        "name": "a",
        "user-tag": "abc"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/access-list

access-list-list

Delete Object

DELETE

/axapi/v3/ipv6/access-list/{name}

access-list attributes

```
DELETE /axapi/v3/ipv6/access-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

access-list-list

access-list-list is **JSON List** of *access-list attributes*

access-list-list : [

{ *access-list attributes* },

{ *access-list attributes* },

...

]

access-list attributes

name

Description Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

rules

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code icmp-code and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type icmp-type and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-anydst-host, dst-subnet and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eqdst-gt, dst-lt and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gtdst-eq, dst-lt and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv6-address

Mutual Exclusion: dst-hostdst-any, dst-subnet and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-ltdst-eq, dst-gt and dst-range are mutually exclusive

dst-object-group

Description Destination network object group name (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-groupdst-any, dst-host and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-rangedst-eq, dst-gt and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: dst-subnetdst-any, dst-host and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description Specify geo-location name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: geo-locationicmp, tcp, udp, ipv6 and service-obj-group are mutually exclusive

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmptcp, udp, ipv6, service-obj-group and geo-location are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code any-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type any-type and special-type are mutually exclusive

ipv6

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipv6icmp, tcp, udp, service-obj-group and geo-location are mutually exclusive

remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-num

Description Sequence Number

Type: number

Range: 1-8192

service-obj-group

Description Service object group (Source object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-groupicmp, tcp, udp, ipv6 and geo-location are mutually exclusive

special-code

Description 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-code any-code and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 129, echo reply; 'echo-request': help Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded; 'dest-unreachable': Type 1, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, packet-too-big, param-prob, time-exceeded, dest-unreachable

Mutual Exclusion: special-type icmp-type and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-anysrc-host, src-subnet and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eqsrc-gt, src-lt and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gtsrc-eq, src-lt and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv6-address

Mutual Exclusion: src-hostsrc-any, src-subnet and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-ltsrc-eq, src-gt and src-range are mutually exclusive

src-object-group

Description Network object group (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-groupsrc-any, src-host and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-rangesrc-eq, src-gt and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-subnetsrc-any, src-host and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcpicmp, udp, ipv6, service-obj-group and geo-location are mutually exclusive

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udpicmp, tcp, ipv6, service-obj-group and geo-location are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

2.51.3 ipv6 address

Transparent mode IPv6 Address

address Specification

Type	*Configuration Resource*
Element Name	address
Element URI	/axapi/v3/ipv6/address
Element Attributes	address_attributes
Schema	`address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/address

address attributes

```
POST /axapi/v3/ipv6/address
Payload:
{
    "address": {
        "ipv6-address": "fe80::1/64",
        "link-local": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/address

address attributes

```
GET /axapi/v3/ipv6/address
Reponse:
{
    "address": {
        "ipv6-address": "fe80::1/64",
        "link-local": 1,
        "uuid": "a25ca3c4-60c1-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/address"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/address

address attributes

Replace Object

PUT

/axapi/v3/ipv6/address

address attributes

```
PUT /axapi/v3/ipv6/address
Payload:
{
    "address": {
        "ipv6-address": "2003::1/64",
        "link-local": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/address

address attributes

```
DELETE /axapi/v3/ipv6/address
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

address attributes

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: anycast and link-local are mutually exclusive

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: link-local and anycast are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.4 ipv6 default-gateway

Default gateway address

default-gateway Specification

Type	*Configuration Resource*
Element Name	default-gateway
Element URI	/axapi/v3/ipv6/default-gateway
Element Attributes	default-gateway_attributes
Schema	`default-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/default-gateway

default-gateway attributes

```
POST /axapi/v3/ipv6/default-gateway
Payload:
{
    "default-gateway": {
        "ipv6-default-gateway": "2003::1"
    }
}
```

Get Object

GET

/axapi/v3/ipv6/default-gateway

default-gateway attributes

```
GET /axapi/v3/ipv6/default-gateway
Reponse:
{
    "default-gateway": {
        "ipv6-default-gateway": "2003::1",
        "uuid": "b57c5936-60c1-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/default-gateway"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/default-gateway

default-gateway attributes

Replace Object

PUT

/axapi/v3/ipv6/default-gateway

default-gateway attributes

```
PUT /axapi/v3/ipv6/default-gateway
Payload:
{
    "default-gateway": {
        "ipv6-default-gateway": "2003::1"
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/default-gateway

default-gateway attributes

```
DELETE /axapi/v3/ipv6/default-gateway
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

default-gateway attributes

ipv6-default-gateway

Description Default gateway address

Type: string

Format: ipv6-address

Refernce Object: */axapi/v3/ipv6/address*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.5 ipv6 frag

IPv6 fragmentation parameters

frag Specification

Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv6/frag
Element Attributes	frag_attributes
Statistics Data URI	/axapi/v3/ipv6/frag/stats
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/frag

frag attributes

```
POST /axapi/v3/ipv6/frag
Payload:
{
    "frag": {
        "frag-timeout": 4
    }
}
```

Get Object

GET

/axapi/v3/ipv6/frag

frag attributes

```
GET /axapi/v3/ipv6/frag
Reponse:
{
    "frag": {
        "frag-timeout": 4,
        "uuid": "e2cb9c9e-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/ipv6/frag"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/frag

frag attributes

Replace Object

PUT

/axapi/v3/ipv6/frag

frag attributes

```
PUT /axapi/v3/ipv6/frag
Payload:
{
    "frag": {
        "frag-timeout": 5
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/frag

frag attributes

```
DELETE /axapi/v3/ipv6/frag
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

frag attributes

frag-timeout

Description in milliseconds 4 - 16000 (default is 1000)

Type: number

Range: 4-65535

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

stats data

	Counter	Size	Description
	cpu-threshold-drop	8	High CPU Drop
	icmpv6-rcv	8	ICMPv6 Received
	tcp-rcv	8	TCP Received
	other-rcv	8	Other Received
	udp-dropped	8	UDP Dropped
	bad-ip-len	8	Bad IP Length
	first-l4-too-small	8	First L4 Fragment Too Small Drop
	no-session-memory	8	Out of Session Memory
	unaligned-len	8	Payload Length Unaligned
	icmp-dropped	8	ICMP Dropped
	udp-rcv	8	UDP Received
	exceeded-len	8	Payload Length Out of Bounds
	fragment-queue-success	8	Fragment Queue Success
	first-gtp-packet-too-small	8	First GTP Fragment Too Small Drop
	fragment-queue-failure	8	Fragment Queue Failure
	total-fragments-exceeded	8	Total Queued Fragments Exceeded
	tcp-dropped	8	TCP Dropped
	low-cpu-threshold	8	Low CPU Threshold Reached
	ipip-dropped	8	IP-in-IP Dropped
	total-sessions-exceeded	8	Total Sessions Exceeded Drop
	error-drop	8	Fragment Processing Drop

continues on next page

Table 2.21 – continued from previous page

	Counter	Size	Description
	overlap-error	8	Overlapping Fragment Dropped
	ipv6ip-rcv	8	IPv6-in-IP Received
	session-expired	8	Session Expired
	sctp-rcv	8	SCTP Received
	policy-drop	8	MTU Exceeded Policy Drop
	icmp-rcv	8	ICMP Received
	session-packets-exceeded	8	Session Max Packets Exceeded
	duplicate-first-frag	8	Duplicate First Fragment
	reassembly-success	8	Fragment Reassembly Success
	sctp-dropped	8	SCTP Dropped
	ipd-entry-drop	8	DDoS Protection Drop
	too-small	8	Fragment Too Small Drop
	ipv6ip-dropped	8	IPv6-in-IP Dropped
	session-inserted	8	Session Inserted
	max-len-exceeded	8	Fragment Max Data Length Exceeded
	max-packets-exceeded	8	Too Many Packets Per Reassembly Drop
	other-dropped	8	Other Dropped
	first-tcp-too-small	8	First TCP Fragment Too Small Drop
	high-cpu-threshold	8	High CPU Threshold Reached
	fast-aging-set	8	Fragmentation Fast Aging Set
	ipip-rcv	8	IP-in-IP Received
	icmpv6-dropped	8	ICMPv6 Dropped
	fast-aging-unset	8	Fragmentation Fast Aging Unset
	reassembly-failure	8	Fragment Reassembly Failure
	duplicate-last-frag	8	Duplicate Last Fragment

2.51.6 ipv6 icmpv6

Global ICMPv6 commands

icmpv6 Specification

Type	*Configuration Resource*
Element Name	icmpv6
Element URI	/axapi/v3/ipv6/icmpv6
Element Attributes	icmpv6_attributes
Schema	`icmpv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

```
POST /axapi/v3/ipv6/icmpv6
Payload:
{
    "icmpv6": {
        "redirect": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

```
GET /axapi/v3/ipv6/icmpv6
Reponse:
{
    "icmpv6": {
        "redirect": 1,
        "unreachable": 0,
        "uuid": "e541386c-60c1-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/icmpv6"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

Replace Object

PUT

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

```
PUT /axapi/v3/ipv6/icmpv6
Payload:
{
    "icmpv6": {
        "redirect": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

```
DELETE /axapi/v3/ipv6/icmpv6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmpv6 attributes

redirect

Description Disable outbound ICMPv6 redirect messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unreachable

Description Disable outbound ICMPv6 unreachable messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.7 ipv6 nat

Configure IPv6 NAT

nat Specification

Type	*Intermediate Resource*
Element Name	nat
Element URI	/axapi/v3/ipv6/nat
Element Attributes	nat_attributes
Schema	`nat schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/nat

nat_attributes

nat attributes

icmpv6

Description: icmpv6 is a **JSON Block**. Please see below for *icmpv6*

Type: Object

Refernce Object: */axapi/v3/ipv6/nat/icmpv6*

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

Refernce Object: */axapi/v3/ipv6/nat/inside*

pool-group-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/pool/{pool-name}*

icmpv6

Specification	
Type	*object*

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

pool-group-list_member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside

Specification	
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *inside_source*

Type: Object

Refernce Object: */axapi/v3/ipv6/nat/inside/source*

inside_source

Specification	
Type	*object*

list-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/inside/source/list/{list-name}*

inside_source_list-list

Specification	
Type	*list*
Block object keys	

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/nat/pool-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-list

Specification	
Type	*list*
Block object keys	

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv6-address

gateway

Description Configure gateway IP

Type: string

Format: ipv6-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: number

Range: 64-128

pool-name

Description Specify pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

pool-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Port-Usage': Port-Usage; 'Total-Used': Total-Used; 'Total-Freed': Total-Freed; 'Failed': Failed;

Type: string

Supported Values: all, Port-Usage, Total-Used, Total-Freed, Failed

2.51.8 ipv6 nat icmpv6

ICMPv6 configuration for IPv6 NAT

icmpv6 Specification

Type	*Configuration Resource*
Element Name	icmpv6
Element URI	/axapi/v3/ipv6/nat/icmpv6
Element Attributes	icmpv6_attributes
Schema	`icmpv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

```
POST /axapi/v3/ipv6/nat/icmpv6
Payload:
{
    "icmpv6": {
        "respond-to-ping": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

```
GET /axapi/v3/ipv6/nat/icmpv6
Reponse:
{
    "icmpv6": {
        "respond-to-ping": 1,
        "uuid": "b8795194-60c5-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/nat/icmpv6"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

```
PUT /axapi/v3/ipv6/nat/icmpv6
Payload:
{
    "icmpv6": {
        "respond-to-ping": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

```
DELETE /axapi/v3/ipv6/nat/icmpv6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmpv6 attributes

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.9 ipv6 nat inside

Inside configuration for IPv6 NAT

inside Specification

Type	*Intermediate Resource*
Element Name	inside
Element URI	/axapi/v3/ipv6/nat/inside
Element Attributes	inside_attributes
Schema	`inside schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/nat/inside

inside_attributes

inside attributes

source

Description: source is a **JSON Block**. Please see below for *source*

Type: Object

Refernce Object: */axapi/v3/ipv6/nat/inside/source*

source

Specification	
Type	*object*

list-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/inside/source/list/{list-name}*

source_list-list

Specification	
Type	*list*
Block object keys	

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/nat/pool-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.10 ipv6 nat inside source

Source Association

source Specification

Type	*Intermediate Resource*
Element Name	source
Element URI	/axapi/v3/ipv6/nat/inside/source
Element Attributes	source_attributes
Schema	`source schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/nat/inside/source

source_attributes

source attributes

list-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/inside/source/list/{list-name}*

list-list

Specification	
Type	*list*
Block object keys	

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/nat/pool-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.11 ipv6 nat inside source list

IPv6 Access-List

list Specification

Type	*Collection*
Object Key(s)	*list-name*
Collection Name	*list-list*
Collection URI	/axapi/v3/ipv6/nat/inside/source/list
Element Name	list
Element URI	/axapi/v3/ipv6/nat/inside/source/list/{list-name}
Element Attributes	list_attributes
Schema	`list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/inside/source/list

list attributes

```
POST /axapi/v3/ipv6/nat/inside/source/list/
Payload:
{
    "list": {
        "list-name": "a",
        "pool": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/nat/inside/source/list

list attributes

Get Object

GET

/axapi/v3/ipv6/nat/inside/source/list/{list-name}

list attributes

```
GET /axapi/v3/ipv6/nat/inside/source/list/a
Reponse:
{
    "list": {
        "list-name": "a",
        "pool": "a",
        "uuid": "e2d70e22-60c5-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/nat/inside/source/list/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/nat/inside/source/list

list-list

Modify Object

POST

/axapi/v3/ipv6/nat/inside/source/list/{list-name}

list attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/inside/source/list/{list-name}

list attributes

```
PUT /axapi/v3/ipv6/nat/inside/source/list/a
Payload:
{
    "list": {
        "list-name": "a",
        "pool": "a"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/nat/inside/source/list

list-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/inside/source/list/{list-name}

list attributes

```
DELETE /axapi/v3/ipv6/nat/inside/source/list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

list-list

list-list is **JSON List** of *list attributes*

list-list : [

{ *list attributes* },

{ *list attributes* },

...

]

list attributes

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/nat/pool-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.12 ipv6 nat pool

IPv6 pool name

pool Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*pool-list*
Collection URI	/axapi/v3/ipv6/nat/pool
Element Name	pool
Element URI	/axapi/v3/ipv6/nat/pool/{pool-name}
Element Attributes	pool_attributes
Statistics Data URI	/axapi/v3/ipv6/nat/pool/{pool-name}/stats
Operational Data URI	/axapi/v3/ipv6/nat/pool/{pool-name}/oper
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool

pool attributes

```
POST /axapi/v3/ipv6/nat/pool/
Payload:
{
    "pool": {
        "netmask": 64,
        "end-address": "2003::1",
        "start-address": "2003::1",
        "pool-name": "a",
        "gateway": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/ipv6/nat/pool

pool attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

```
GET /axapi/v3/ipv6/nat/pool/a
Reponse:
{
    "pool": {
        "pool-name": "a",
```

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```
        "start-address": "2003::1",
        "end-address": "2003::1",
        "netmask": 64,
        "gateway": "2003::1",
        "ip-rr": 0,
        "port-overload": 0,
        "uuid": "fcf53d10-60c5-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/nat/pool/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/nat/pool

pool-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

```
PUT /axapi/v3/ipv6/nat/pool/a
Payload:
{
    "pool": {
        "netmask": 64,
        "end-address": "2003::1",
        "start-address": "2003::1",
        "pool-name": "a",
        "vrid": 1
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/nat/pool

pool-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

```
DELETE /axapi/v3/ipv6/nat/pool/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

...

]

pool attributes

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv6-address

gateway

Description Configure gateway IP

Type: string

Format: ipv6-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: number

Range: 64-128

pool-name

Description Specify pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Port-Usage': Port-Usage; 'Total-Used': Total-Used; 'Total-Freed': Total-Freed; 'Failed': Failed;

Type: string

Supported Values: all, Port-Usage, Total-Used, Total-Freed, Failed

stats data

	Counter	Size	Description
	Failed	8	Failed
	Total-Used	8	Total-Used
	Total-Freed	8	Total-Freed
	Port-Usage	8	Port-Usage

operational data

	Counter	Size	Description
	nat-pool-addr-list		nat-pool-addr-list

2.51.13 ipv6 nat pool-group

IPv6 pool group name

pool-group Specification

Type	*Collection*
Object Key(s)	*pool-group-name*
Collection Name	*pool-group-list*
Collection URI	/axapi/v3/ipv6/nat/pool-group
Element Name	pool-group
Element URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}
Element Attributes	pool-group_attributes
Schema	`pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool-group

pool-group attributes

```
POST /axapi/v3/ipv6/nat/pool-group/
Payload:
{
    "pool-group": {
        "pool-group-name": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/nat/pool-group

pool-group attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
GET /axapi/v3/ipv6/nat/pool-group/a
Reponse:
{
    "pool-group": {
        "pool-group-name": "a",
        "uuid": "1cbba486-60c6-11d9-93c2-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/nat/pool-group/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/nat/pool-group

pool-group-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
PUT /axapi/v3/ipv6/nat/pool-group/a
Payload:
{
    "pool-group": {
        "pool-group-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/nat/pool-group

pool-group-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
DELETE /axapi/v3/ipv6/nat/pool-group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pool-group-list

pool-group-list is **JSON List** of *pool-group attributes*

pool-group-list : [

{ *pool-group attributes* },

{ *pool-group attributes* },

...

]

pool-group attributes

member-list

Type: List

Refernce Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

member-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.14 ipv6 nat pool-group member

Add a NAT pool to this pool-group

member Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*member-list*
Collection URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member
Element Name	member
Element URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}
Element Attributes	member_attributes
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member

member attributes

Create List

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member

member attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Get List

GET

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member

member-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace List

PUT

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member

member-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.15 ipv6 neighbor

Static IPv6 Neighbor

neighbor Specification

Type	*Intermediate Resource*
Element Name	neighbor
Element URI	/axapi/v3/ipv6/neighbor
Element Attributes	neighbor_attributes
Schema	`neighbor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/neighbor

neighbor_attributes

neighbor attributes

dynamic

Description: dynamic is a **JSON Block**. Please see below for *dynamic*

Type: Object

Refernce Object: */axapi/v3/ipv6/neighbor/dynamic*

static-list

Type: List

Refernce Object: */axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}*

dynamic

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet trunk and tunnel are mutually exclusive

ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

mac

Description MAC Address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk ethernet and tunnel are mutually exclusive

tunnel

Description Tunnel interface

Type: number

Range: 1-128

Mutual Exclusion: tunnel ethernet and trunk are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

2.51.16 ipv6 neighbor dynamic

dynamic IPv6 Neighbor commands

dynamic Specification

Type	*Configuration Resource*
Element Name	dynamic
Element URI	/axapi/v3/ipv6/neighbor/dynamic
Element Attributes	dynamic_attributes
Operational Data URI	/axapi/v3/ipv6/neighbor/dynamic/oper
Schema	`dynamic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

Get Object

GET

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

Modify Object

POST

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

Replace Object

PUT

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

Delete Object

DELETE

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

dynamic attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	v6neighbor-list		v6neighbor-list

2.51.17 ipv6 neighbor static

static IPv6 Neighbor commands

static Specification

Type	*Collection*
Object Key(s)	*ipv6-addr, vlan*
Collection Name	*static-list*
Collection URI	/axapi/v3/ipv6/neighbor/static
Element Name	static
Element URI	/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}
Element Attributes	static_attributes
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/neighbor/static

static attributes

```
POST /axapi/v3/ipv6/neighbor/static/
Payload:
{
    "static": {
        "mac": "1000.2000.3000",
        "ipv6-addr": "2003::1",
        "ethernet": 1,
```

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```
        "vlan": 2
    }
}
```

Create List

POST

/axapi/v3/ipv6/neighbor/static

static attributes

Get Object

GET

/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}

static attributes

Get List

GET

/axapi/v3/ipv6/neighbor/static

static-list

Modify Object

POST

/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}

static attributes

Replace Object

PUT

/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}

static attributes

Replace List

PUT

/axapi/v3/ipv6/neighbor/static

static-list

Delete Object

DELETE

/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}

static attributes

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet trunk and tunnel are mutually exclusive

ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

mac

Description MAC Address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk ethernet and tunnel are mutually exclusive

tunnel

Description Tunnel interface

Type: number

Range: 1-128

Mutual Exclusion: tunnel ethernet and trunk are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

2.51.18 ipv6 ospf

Open Shortest Path First (OSPFv3)

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/ipv6/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/ospf

ospf attributes

```
POST /axapi/v3/ipv6/ospf
Payload:
{
    "ospf": {
        "display-route-single-line": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/ospf

ospf attributes

```
GET /axapi/v3/ipv6/ospf
Reponse:
{
    "ospf": {
        "display-route-single-line": 1,
```

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```
        "uuid": "391e2d64-60c2-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/ipv6/ospf
Payload:
{
    "ospf": {
        "display-route-single-line": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/ipv6/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

display-route-single-line

Description Print an entry in single line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.19 ipv6 prefix-list

Configure Prefix-list

prefix-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*prefix-list-list*
Collection URI	/axapi/v3/ipv6/prefix-list
Element Name	prefix-list
Element URI	/axapi/v3/ipv6/prefix-list/{name}
Element Attributes	prefix-list_attributes
Schema	`prefix-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/prefix-list

prefix-list attributes

```
POST /axapi/v3/ipv6/prefix-list/
Payload:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 1,
                "description": "a"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ipv6/prefix-list

prefix-list attributes

Get Object

GET

/axapi/v3/ipv6/prefix-list/{name}

prefix-list attributes

```
GET /axapi/v3/ipv6/prefix-list/a
Reponse:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 1,
                "description": "a"
            }
        ],
        "uuid": "4694adba-60c2-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/prefix-list/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/prefix-list

prefix-list-list

Modify Object

POST

/axapi/v3/ipv6/prefix-list/{name}

prefix-list attributes

Replace Object

PUT

/axapi/v3/ipv6/prefix-list/{name}

prefix-list attributes

```
PUT /axapi/v3/ipv6/prefix-list/a
Payload:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 2,
                "description": "abc"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/prefix-list

prefix-list-list

Delete Object

DELETE

/axapi/v3/ipv6/prefix-list/{name}

prefix-list attributes

```
DELETE /axapi/v3/ipv6/prefix-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

prefix-list-list

prefix-list-list is **JSON List** of *prefix-list attributes*

prefix-list-list : [

{ *prefix-list attributes* },

{ *prefix-list attributes* },

...

]

prefix-list attributes

name

Description Name of a prefix list

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	
Type	*list*
Block object keys	

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

any

Description Any prefix match. Same as "::0/0 le le 128"

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Prefix-list specific description (Up to 80 characters describing this prefix-list)

Type: string

Maximum Length: 80 characters

Maximum Length: 1 characters

ge

Description Minimum prefix length to be matched

Type: number

Range: 0-128

ipaddr

Description IPv6 prefix, e.g., 3ffe::/16

Type: string

Format: ipv6-address-plen

le

Description Maximum prefix length to be matched

Type: number

Range: 0-128

seq

Description Sequence number of an entry

Type: number

Range: 1-4294967295

2.51.20 ipv6 reroute

reroute sessions

reroute Specification

Type	*Configuration Resource*
Element Name	reroute
Element URI	/axapi/v3/ipv6/reroute
Element Attributes	reroute_attributes
Schema	`reroute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/reroute

reroute attributes

Get Object

GET

/axapi/v3/ipv6/reroute

reroute attributes

Modify Object

POST

/axapi/v3/ipv6/reroute

reroute attributes

Replace Object

PUT

/axapi/v3/ipv6/reroute

reroute attributes

Delete Object

DELETE

/axapi/v3/ipv6/reroute

reroute attributes

reroute attributes

suppress-protocols

Description: suppress-protocols is a **JSON Block**. Please see below for *suppress-protocols*

Type: Object

Refernce Object: */axapi/v3/ipv6/reroute/suppress-protocols*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

suppress-protocols

Specification	
Type	*object*

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.21 ipv6 reroute suppress-protocols

suppress protocols

suppress-protocols Specification

Type	*Configuration Resource*
Element Name	suppress-protocols
Element URI	/axapi/v3/ipv6/reroute/suppress-protocols
Element Attributes	suppress-protocols_attributes
Schema	`suppress-protocols schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

Get Object

GET

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

Modify Object

POST

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

Replace Object

PUT

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

Delete Object

DELETE

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

suppress-protocols attributes

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.22 ipv6 rib

Establish static routes

rib Specification

Type	*Configuration Resource*
Element Name	rib
Element URI	/axapi/v3/ipv6/rib
Element Attributes	rib_attributes
Operational Data URI	/axapi/v3/ipv6/rib/oper
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/rib

rib attributes

Get Object

GET

/axapi/v3/ipv6/rib

rib attributes

Modify Object

POST

/axapi/v3/ipv6/rib

rib attributes

Replace Object

PUT

/axapi/v3/ipv6/rib

rib attributes

Delete Object

DELETE

/axapi/v3/ipv6/rib

rib attributes

rib attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	IPv6-routes		IPv6-routes
	Total	number	Total
	Limit	number	Limit
	Description	string-rlx	Description
	Total Paths	number	Total Paths

2.51.23 ipv6 route

Establish static routes

route Specification

Type	*Intermediate Resource*
Element Name	route
Element URI	/axapi/v3/ipv6/route
Element Attributes	route_attributes
Schema	`route schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/route

route_attributes

route attributes

rib-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/rib/{ipv6-address}*

static

Description: static is a **JSON Block**. Please see below for *static*

Type: Object

Refernce Object: */axapi/v3/ipv6/route/static*

rib-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

ipv6-nexthop-ipv6

Type: List

ipv6-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rib-list_ipv6-nexthop-tunnel

Specification	
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ipv6-nexthop-tunnel-addr

Description Forwarding router's address

Type: string

Format: ipv6-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

rib-list_ipv6-nexthop-ipv6

Specification	
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ethernet

Description Ethernet interface (Ethernet interface number)

Type: number

Format: interface

ipv6-nexthop

Description Forwarding router's address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ve

Description Virtual Ethernet interface (Virtual Ethernet interface number)

Type: number

Format: interface

static

Specification	
Type	*object*

bfd

Description: bfd is a **JSON Block**. Please see below for *static_bfd*

Type: Object

Refernce Object: */axapi/v3/ipv6/route/static/bfd*

static_bfd

Specification	
Type	*object*

bfd-ipv6-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}*

ethernet-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}*

trunk-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}*

ve-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}*

static_bfd_bfd-ipv6-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static_bfd_ethernet-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static_bfd_trunk-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static_bfd_ve-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

2.51.24 ipv6 route rib

Establish static routes

rib Specification

Type	*Collection*
Object Key(s)	*ipv6-address*
Collection Name	*rib-list*
Collection URI	/axapi/v3/ipv6/route/rib
Element Name	rib
Element URI	/axapi/v3/ipv6/route/rib/{ipv6-address}
Element Attributes	rib_attributes
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/rib

rib attributes

```
POST /axapi/v3/ipv6/route/rib/
Payload:
{
    "rib": {
        "ipv6-address": "2003::/64",
        "ipv6-nexthop-ipv6": [
            {
                "ipv6-nexthop": "fe80::1",
                "ethernet": 1,
                "distance": 1
            }
        ]
```

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```
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/rib

rib attributes

Get Object

GET

/axapi/v3/ipv6/route/rib/{ipv6-address}

rib attributes

```
GET /axapi/v3/ipv6/route/rib/2003::%2f64
Reponse:
{
    "rib": {
        "ipv6-address": "2003::/64",
        "ipv6-nexthop-ipv6": [
            {
                "ipv6-nexthop": "fe80::1",
                "ethernet": 1,
                "distance": 1
            }
        ],
        "uuid": "67ce55ee-60c2-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/route/rib/2003%3A%3A%2F64"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/rib

rib-list

Modify Object

POST

/axapi/v3/ipv6/route/rib/{ipv6-address}

rib attributes

Replace Object

PUT

/axapi/v3/ipv6/route/rib/{ipv6-address}

rib attributes

```
PUT /axapi/v3/ipv6/route/rib/2003::%2f64
Payload:
{
    "rib": {
        "ipv6-address": "2003::/64",
        "ipv6-nexthop-ipv6": [
            {
                "ipv6-nexthop": "fe80::2",
                "ethernet": 2,
                "distance": 2
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/rib

rib-list

Delete Object

DELETE

/axapi/v3/ipv6/route/rib/{ipv6-address}

rib attributes

```
DELETE /axapi/v3/ipv6/route/rib/2003::%2f64
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rib-list

rib-list is **JSON List** of *rib attributes*

rib-list : [

{ *rib attributes* },

{ *rib attributes* },

...

]

rib attributes

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

ipv6-nexthop-ipv6

Type: List

ipv6-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-nexthop-tunnel

Specification	
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ipv6-nexthop-tunnel-addr

Description Forwarding router's address

Type: string

Format: ipv6-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

ipv6-nexthop-ipv6

Specification	
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ethernet

Description Ethernet interface (Ethernet interface number)

Type: number

Format: interface

ipv6-nexthop

Description Forwarding router's address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ve

Description Virtual Ethernet interface (Virtual Ethernet interface number)

Type: number

Format: interface

2.51.25 ipv6 route static

Allow static routes

static Specification

Type	*Intermediate Resource*
Element Name	static
Element URI	/axapi/v3/ipv6/route/static
Element Attributes	static_attributes
Schema	`static schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/route/static

static_attributes

static attributes

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/ipv6/route/static/bfd*

bfd

Specification	
Type	*object*

bfd-ipv6-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}*

ethernet-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}*

trunk-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}*

ve-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}*

bfd_bfd-ipv6-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_ethernet-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_trunk-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_ve-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

2.51.26 ipv6 route static bfd

Bidirectional Forwarding Detection

bfd Specification

Type	*Intermediate Resource*
Element Name	bfd
Element URI	/axapi/v3/ipv6/route/static/bfd
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/route/static/bfd

bfd_attributes

bfd attributes

bfd-ipv6-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}*

ethernet-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}*

trunk-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}*

ve-list

Type: List

Refernce Object: */axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}*

bfd-ipv6-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Specification	
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

2.51.27 ipv6 route static bfd bfd-ipv6

Bidirectional Forwarding Detection

bfd-ipv6 Specification

Type	*Collection*
Object Key(s)	*local-ipv6, nexthop-ipv6*
Collection Name	*bfd-ipv6-list*
Collection URI	/axapi/v3/ipv6/route/static/bfd/bfd-ipv6
Element Name	bfd-ipv6
Element URI	/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}
Element Attributes	bfd-ipv6_attributes
Schema	`bfd-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6

bfd-ipv6 attributes

```
POST /axapi/v3/ipv6/route/static/bfd/bfd-ipv6/
Payload:
{
    "bfd-ipv6": {
        "local-ipv6": "2003::1",
        "nexthop-ipv6": "2003::2",
        "threshold": 1,
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6

bfd-ipv6 attributes

Get Object

GET

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}

bfd-ipv6 attributes

```
GET /axapi/v3/ipv6/route/static/bfd/bfd-ipv6/2003::1+2003::2
Reponse:
```

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```
{
    "bfd-ipv6": {
        "local-ipv6": "2003::1",
        "nexthop-ipv6": "2003::2",
        "template": "a",
        "threshold": 1,
        "action": "down",
        "uuid": "d39a59f8-60c2-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/2003%3A%3A1+2003%3A%3A2"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6

bfd-ipv6-list

Modify Object

POST

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}

bfd-ipv6 attributes

Replace Object

PUT

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}

bfd-ipv6 attributes

```
PUT /axapi/v3/ipv6/route/static/bfd/bfd-ipv6/2003::1+2003::2
Payload:
{
    "bfd-ipv6": {
        "local-ipv6": "2003::1",
        "nexthop-ipv6": "2003::2",
        "threshold": 2,
        "action": "down",
        "template": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6

bfd-ipv6-list

Delete Object

DELETE

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}

bfd-ipv6 attributes

```
DELETE /axapi/v3/ipv6/route/static/bfd/bfd-ipv6/2003::1+2003::2
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bfd-ipv6-list

bfd-ipv6-list is **JSON List** of *bfd-ipv6 attributes*

bfd-ipv6-list : [

{ *bfd-ipv6 attributes* },

{ *bfd-ipv6 attributes* },

...

]

bfd-ipv6 attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.28 ipv6 route static bfd ethernet

Ethernet interface

ethernet Specification

Type	*Collection*
Object Key(s)	*eth-num, nexthop-ipv6-ll*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/ipv6/route/static/bfd/ethernet
Element Name	ethernet
Element URI	/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}
Element Attributes	ethernet_attributes
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/static/bfd/ethernet

ethernet attributes

```
POST /axapi/v3/ipv6/route/static/bfd/ethernet/
Payload:
{
    "ethernet": {
        "eth-num": 0,
        "nexthop-ipv6-ll": "2003::1",
        "threshold": 1,
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/static/bfd/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}

ethernet attributes

```
GET /axapi/v3/ipv6/route/static/bfd/ethernet/1+fe80::1
Reponse:
{
    "ethernet": {
        "eth-num": 1,
        "nexthop-ipv6-ll": "fe80::1",
        "uuid": "e609c614-60c2-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/route/static/bfd/ethernet/1+fe80%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/static/bfd/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}

ethernet attributes

Replace Object

PUT

/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}

ethernet attributes

```
PUT /axapi/v3/ipv6/route/static/bfd/ethernet/1+fe80::1
Payload:
{
    "ethernet": {
        "eth-num": 1,
        "nexthop-ipv6-ll": "fe80::1"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/static/bfd/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}

ethernet attributes

```
DELETE /axapi/v3/ipv6/route/static/bfd/ethernet/1+fe80::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

ethernet-list : [

{ *ethernet attributes* },

{ *ethernet attributes* },

...

]

ethernet attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.29 ipv6 route static bfd trunk

Trunk interface

trunk Specification

Type	*Collection*
Object Key(s)	*trunk-num, nexthop-ipv6-ll*
Collection Name	*trunk-list*
Collection URI	/axapi/v3/ipv6/route/static/bfd/trunk
Element Name	trunk
Element URI	/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}
Element Attributes	trunk_attributes
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/static/bfd/trunk

trunk attributes

```
POST /axapi/v3/ipv6/route/static/bfd/trunk/
Payload:
{
    "trunk": {
        "nexthop-ipv6-ll": "2003::1",
        "trunk-num": 1,
        "threshold": 1,
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/static/bfd/trunk

trunk attributes

Get Object

GET

/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}

trunk attributes

```
GET /axapi/v3/ipv6/route/static/bfd/trunk/1+fe80::1
Reponse:
{
    "trunk": {
        "trunk-num": 1,
        "nexthop-ipv6-ll": "fe80::1",
        "uuid": "f92549bc-60c2-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/route/static/bfd/trunk/1+fe80%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/static/bfd/trunk

trunk-list

Modify Object

POST

/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}

trunk attributes

Replace Object

PUT

/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}

trunk attributes

```
PUT /axapi/v3/ipv6/route/static/bfd/trunk/1+fe80::1
Payload:
{
    "trunk": {
        "nexthop-ipv6-ll": "fe80::1",
        "trunk-num": 1
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/static/bfd/trunk

trunk-list

Delete Object

DELETE

/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}

trunk attributes

```
DELETE /axapi/v3/ipv6/route/static/bfd/trunk/1+fe80::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

trunk-list

trunk-list is **JSON List** of *trunk attributes*

trunk-list : [

{ *trunk attributes* },

{ *trunk attributes* },

...

]

trunk attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.30 ipv6 route static bfd ve

Virtual ethernet interface

ve Specification

Type	*Collection*
Object Key(s)	*ve-num, nexthop-ipv6-ll*
Collection Name	*ve-list*
Collection URI	/axapi/v3/ipv6/route/static/bfd/ve
Element Name	ve
Element URI	/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}
Element Attributes	ve_attributes
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/static/bfd/ve

ve attributes

```
POST /axapi/v3/ipv6/route/static/bfd/ve/
Payload:
{
    "ve": {
        "nexthop-ipv6-ll": "2003::1",
        "ve-num": 2,
        "threshold": 1,
        "action": "down",
```

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```
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/static/bfd/ve

ve attributes

Get Object

GET

/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}

ve attributes

```
GET /axapi/v3/ipv6/route/static/bfd/ve/2+fe80::1
Reponse:
{
    "ve": {
        "ve-num": 2,
        "nexthop-ipv6-ll": "fe80::1",
        "uuid": "0a93db50-60c3-11d9-b64f-001fa00680a0",
        "a10-url": "/axapi/v3/ipv6/route/static/bfd/ve/2+fe80%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/static/bfd/ve

ve-list

Modify Object

POST

/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}

ve attributes

Replace Object

PUT

/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}

ve attributes

```
PUT /axapi/v3/ipv6/route/static/bfd/ve/2+fe80::1
Payload:
{
    "ve": {
        "nexthop-ipv6-ll": "fe80::1",
        "ve-num": 2
```

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```
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/static/bfd/ve

ve-list

Delete Object

DELETE

/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}

ve attributes

```
DELETE /axapi/v3/ipv6/route/static/bfd/ve/2+fe80::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

2.51.31 ipv6 unnumbered

unnumbered feature

unnumbered Specification

Type	*Configuration Resource*
Element Name	unnumbered
Element URI	/axapi/v3/ipv6/unnumbered
Element Attributes	unnumbered_attributes
Schema	`unnumbered schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/unnumbered

unnumbered attributes

Get Object

GET

/axapi/v3/ipv6/unnumbered

unnumbered attributes

Modify Object

POST

/axapi/v3/ipv6/unnumbered

unnumbered attributes

Replace Object

PUT

/axapi/v3/ipv6/unnumbered

unnumbered attributes

Delete Object

DELETE

/axapi/v3/ipv6/unnumbered

unnumbered attributes

unnumbered attributes

use-source-acl

Description Access List, Upon deny packet's source address will be NATed (ACL Name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

use-source-ipv6

Description: use-source-ipv6 is a **JSON Block**. Please see below for *use-source-ipv6*

Type: Object

Refernce Object: */axapi/v3/ipv6/unnumbered/use-source-ipv6*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-source-ipv6

Specification	
Type	*object*

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.51.32 ipv6 unnumbered use-source-ipv6

Source IPv6 address

use-source-ipv6 Specification

Type	*Configuration Resource*
Element Name	use-source-ipv6
Element URI	/axapi/v3/ipv6/unnumbered/use-source-ipv6
Element Attributes	use-source-ipv6_attributes
Schema	`use-source-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

Get Object

GET

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

Modify Object

POST

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

Replace Object

PUT

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

Delete Object

DELETE

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

use-source-ipv6 attributes

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.52 ipv6-in-ipv4

Objects:

2.52.1 ipv6-in-ipv4

Global IPv4-in-IPv6 configuration subcommands

ipv6-in-ipv4 Specification

Type	*Intermediate Resource*
Element Name	ipv6-in-ipv4
Element URI	/axapi/v3/ipv6-in-ipv4
Element Attributes	ipv6-in-ipv4_attributes
Schema	`ipv6-in-ipv4 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6-in-ipv4

ipv6-in-ipv4_attributes

ipv6-in-ipv4 attributes

frag

Description: frag is a **JSON Block**. Please see below for *frag*

Type: Object

Refernce Object: */axapi/v3/ipv6-in-ipv4/frag*

frag

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

frag_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory;

'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

2.52.2 ipv6-in-ipv4 frag

IPv6-in-IPv4 fragmentation parameters

frag Specification

Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv6-in-ipv4/frag
Element Attributes	frag_attributes
Statistics Data URI	/axapi/v3/ipv6-in-ipv4/frag/stats
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

```
POST /axapi/v3/ipv6-in-ipv4/frag
Payload:
{
```

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```
    "frag": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

```
GET /axapi/v3/ipv6-in-ipv4/frag
Reponse:
{
    "frag": {
        "uuid": "0446ae9c-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/ipv6-in-ipv4/frag"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

Replace Object

PUT

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

```
PUT /axapi/v3/ipv6-in-ipv4/frag
Payload:
{
    "frag": {
        "sampling-enable": [
            {
                "counters1": "session-inserted"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

```
DELETE /axapi/v3/ipv6-in-ipv4/frag
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

frag attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue

Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

stats data

	Counter	Size	Description
	cpu-threshold-drop	8	High CPU Drop
	icmpv6-rcv	8	ICMPv6 Received
	tcp-rcv	8	TCP Received
	other-rcv	8	Other Received
	udp-dropped	8	UDP Dropped
	bad-ip-len	8	Bad IP Length
	first-l4-too-small	8	First L4 Fragment Too Small Drop
	no-session-memory	8	Out of Session Memory
	unaligned-len	8	Payload Length Unaligned
	icmp-dropped	8	ICMP Dropped
	udp-rcv	8	UDP Received
	exceeded-len	8	Payload Length Out of Bounds
	fragment-queue-success	8	Fragment Queue Success
	first-gtp-packet-too-small	8	First GTP Fragment Too Small Drop
	fragment-queue-failure	8	Fragment Queue Failure

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Table 2.22 – continued from previous page

	Counter	Size	Description
	total-fragments-exceeded	8	Total Queued Fragments Exceeded
	tcp-dropped	8	TCP Dropped
	low-cpu-threshold	8	Low CPU Threshold Reached
	ipip-dropped	8	IP-in-IP Dropped
	total-sessions-exceeded	8	Total Sessions Exceeded Drop
	error-drop	8	Fragment Processing Drop
	overlap-error	8	Overlapping Fragment Dropped
	ipv6ip-rcv	8	IPv6-in-IP Received
	session-expired	8	Session Expired
	sctp-rcv	8	SCTP Received
	policy-drop	8	MTU Exceeded Policy Drop
	icmp-rcv	8	ICMP Received
	session-packets-exceeded	8	Session Max Packets Exceeded
	duplicate-first-frag	8	Duplicate First Fragment
	reassembly-success	8	Fragment Reassembly Success
	sctp-dropped	8	SCTP Dropped
	ipd-entry-drop	8	DDoS Protection Drop
	too-small	8	Fragment Too Small Drop
	ipv6ip-dropped	8	IPv6-in-IP Dropped
	session-inserted	8	Session Inserted
	max-len-exceeded	8	Fragment Max Data Length Exceeded
	max-packets-exceeded	8	Too Many Packets Per Reassembly Drop
	other-dropped	8	Other Dropped
	first-tcp-too-small	8	First TCP Fragment Too Small Drop
	high-cpu-threshold	8	High CPU Threshold Reached
	fast-aging-set	8	Fragmentation Fast Aging Set
	ipip-rcv	8	IP-in-IP Received
	icmpv6-dropped	8	ICMPv6 Dropped
	fast-aging-unset	8	Fragmentation Fast Aging Unset

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Table 2.22 – continued from previous page

	Counter	Size	Description
	reassembly-failure	8	Fragment Reassembly Failure
	duplicate-last-frag	8	Duplicate Last Fragment

2.53 key

Objects:

2.53.1 key

Authentication key management

key Specification

Type	*Collection*
Object Key(s)	*key-chain-flag, key-chain-name*
Collection Name	*key-list*
Collection URI	/axapi/v3/key
Element Name	key
Element URI	/axapi/v3/key/{key-chain-flag}+{key-chain-name}
Element Attributes	key_attributes
Schema	`key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/key

key attributes

```
POST /axapi/v3/key/
Payload:
{
    "key": {
        "key-chain-flag": 1,
        "key-chain-name": "a"
    }
}
```

Create List

POST

/axapi/v3/key

key attributes

Get Object

GET

/axapi/v3/key/{key-chain-flag}+{key-chain-name}

key attributes

```
GET /axapi/v3/key/1+a
Reponse:
{
    "key": {
        "key-chain-flag": 1,
        "key-chain-name": "a",
        "uuid": "51299410-5bf0-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/key/1+a"
    }
}
```

Get List

GET

/axapi/v3/key

key-list

Modify Object

POST

/axapi/v3/key/{key-chain-flag}+{key-chain-name}

key attributes

Replace Object

PUT

/axapi/v3/key/{key-chain-flag}+{key-chain-name}

key attributes

```
PUT /axapi/v3/key/1+a
Payload:
{
    "key": {
        "key-chain-flag": 1,
        "key-chain-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/key

key-list

Delete Object

DELETE

/axapi/v3/key/{key-chain-flag}+{key-chain-name}

key attributes

```
DELETE /axapi/v3/key/1+a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

key-list

key-list is **JSON List** of *key attributes*

key-list : [

{ *key attributes* },

{ *key attributes* },

...

]

key attributes

key-chain-flag

Description Key-chain management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-chain-name

Description Key-chain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

key-list

Type: List

Refernce Object: */axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

key-list

Specification	
Type	*list*
Block object keys	

key-number

Description Key identifier number

Type: number

Range: 1-255

key-string

Description Set key string (The key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.2 key key

Configure a key

key Specification

Type	*Collection*
Object Key(s)	*key-number*
Collection Name	*key-list*
Collection URI	/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key
Element Name	key
Element URI	/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}
Element Attributes	key_attributes
Schema	`key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key

key attributes

Create List

POST

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key

key attributes

Get Object

GET

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}

key attributes

Get List

GET

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key

key-list

Modify Object

POST

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}

key attributes

Replace Object

PUT

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}

key attributes

Replace List

PUT

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key

key-list

Delete Object

DELETE

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}

key attributes

key-list

key-list is **JSON List** of *key attributes*

key-list : [

{ *key attributes* },

{ *key attributes* },

...

]

key attributes

key-number

Description Key identifier number

Type: number

Range: 1-255

key-string

Description Set key string (The key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.54 ldap-server

Objects:

2.54.1 ldap-server

Configure LDAP server information

ldap-server Specification

Type	*Intermediate Resource*
Element Name	ldap-server
Element URI	/axapi/v3/ldap-server
Element Attributes	ldap-server_attributes
Schema	`ldap-server schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ldap-server

ldap-server_attributes

ldap-server attributes

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Refernce Object: */axapi/v3/ldap-server/host*

host

Specification	
Type	*object*

ipv4-list

Type: List

Refernce Object: */axapi/v3/ldap-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Refernce Object: */axapi/v3/ldap-server/host/ipv6/{ipv6-addr}*

ldap-hostname-list

Type: List

Refernce Object: */axapi/v3/ldap-server/host/ldap-hostname/{hostname}*

host_ldap-hostname-list

Specification	
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *host_ldap-hostname-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

hostname

Description Hostname of LDAP server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

hostname-cfg

Description: hostname-cfg is a **JSON Block**. Please see below for *host_ldap-hostname-list_hostname-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ldap-hostname-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ldap-hostname-list_hostname-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ldap-hostname-list_port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ldap-hostname-list_domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv4-list

Specification	
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *host_ipv4-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv4-addr

Description IPV4 address of ldap server

Type: string

Format: ipv4-address

ipv4-addr-cfg

Description: ipv4-addr-cfg is a **JSON Block**. Please see below for *host_ipv4-list_ipv4-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv4-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv4-list_ipv4-addr-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv4-list_port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv4-list_domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv6-list

Specification	
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *host_ipv6-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-addr

Description IPV6 address of ldap server

Type: string

Format: ipv6-address

ipv6-addr-cfg

Description: ipv6-addr-cfg is a **JSON Block**. Please see below for *host_ipv6-list_ipv6-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv6-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv6-list_port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv6-list_ipv6-addr-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv6-list_domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.54.2 ldap-server host

Specify the LDAP server's hostname or IP address

host Specification

Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/ldap-server/host
Element Attributes	host_attributes
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ldap-server/host

host_attributes

host attributes

ipv4-list

Type: List

Refernce Object: */axapi/v3/ldap-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Refernce Object: */axapi/v3/ldap-server/host/ipv6/{ipv6-addr}*

ldap-hostname-list

Type: List

Refernce Object: */axapi/v3/ldap-server/host/ldap-hostname/{hostname}*

ldap-hostname-list

Specification	
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *ldap-hostname-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

hostname

Description Hostname of LDAP server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

hostname-cfg

Description: hostname-cfg is a **JSON Block**. Please see below for *ldap-hostname-list_hostname-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ldap-hostname-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ldap-hostname-list_hostname-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ldap-hostname-list_port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ldap-hostname-list_domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv4-list

Specification	
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *ipv4-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv4-addr

Description IPV4 address of ldap server

Type: string

Format: ipv4-address

ipv4-addr-cfg

Description: ipv4-addr-cfg is a **JSON Block**. Please see below for *ipv4-list_ipv4-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv4-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-list_ipv4-addr-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv4-list_port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv4-list_domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv6-list

Specification	
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *ipv6-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-addr

Description IPV6 address of ldap server

Type: string

Format: ipv6-address

ipv6-addr-cfg

Description: ipv6-addr-cfg is a **JSON Block**. Please see below for *ipv6-list_ipv6-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv6-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list_port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv6-list_ipv6-addr-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv6-list_domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.54.3 ldap-server host ipv4

Specify the hostname of ldap server

ipv4 Specification

Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ipv4-list*
Collection URI	/axapi/v3/ldap-server/host/ipv4
Element Name	ipv4
Element URI	/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}
Element Attributes	ipv4_attributes
Schema	`ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ldap-server/host/ipv4

ipv4 attributes

```
POST /axapi/v3/ldap-server/host/ipv4/
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "dn-value": "a",
        "cn-value": "a",
        "port-cfg": {
            "port": 1
        }
    }
}
```

Create List

POST

/axapi/v3/ldap-server/host/ipv4

ipv4 attributes

Get Object

GET

/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
GET /axapi/v3/ldap-server/host/ipv4/3.3.3.3
Reponse:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "ipv4-addr-cfg": {
            "ssl": 0
        },
        "cn-value": "a",
        "dn-value": "a",
        "port-cfg": {
            "port": 1,
            "ssl": 0
        },
        "uuid": "5f557876-600d-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/ldap-server/host/ipv4/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/ldap-server/host/ipv4

ipv4-list

Modify Object

POST

/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}

ipv4 attributes

Replace Object

PUT

/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
PUT /axapi/v3/ldap-server/host/ipv4/3.3.3.3
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "dn-value": "ab",
        "cn-value": "ab",
        "port-cfg": {
            "port": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/ldap-server/host/ipv4

ipv4-list

Delete Object

DELETE

/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
DELETE /axapi/v3/ldap-server/host/ipv4/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv4-list

ipv4-list is **JSON List** of *ipv4 attributes*

ipv4-list : [

{ *ipv4 attributes* },

{ *ipv4 attributes* },

...

]

ipv4 attributes

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv4-addr

Description IPV4 address of ldap server

Type: string

Format: ipv4-address

ipv4-addr-cfg

Description: ipv4-addr-cfg is a **JSON Block**. Please see below for *ipv4-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-addr-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.54.4 ldap-server host ipv6

Specify the hostname of ldap server

ipv6 Specification

Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ipv6-list*
Collection URI	/axapi/v3/ldap-server/host/ipv6
Element Name	ipv6
Element URI	/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ldap-server/host/ipv6

ipv6 attributes

```
POST /axapi/v3/ldap-server/host/ipv6/
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "dn-value": "a",
        "cn-value": "a",
        "port-cfg": {
            "port": 1
        }
    }
}
```

Create List

POST

/axapi/v3/ldap-server/host/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
GET /axapi/v3/ldap-server/host/ipv6/2003::1
Reponse:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "ipv6-addr-cfg": {
            "ssl": 0
        },
        "cn-value": "a",
        "dn-value": "a",
        "port-cfg": {
            "port": 1,
            "ssl": 0
        },
        "uuid": "9d9d0ce8-600d-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/ldap-server/host/ipv6/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/ldap-server/host/ipv6

ipv6-list

Modify Object

POST

/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}

ipv6 attributes

Replace Object

PUT

/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
PUT /axapi/v3/ldap-server/host/ipv6/2003::1
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "dn-value": "ab",
        "cn-value": "ab",
        "port-cfg": {
            "port": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/ldap-server/host/ipv6

ipv6-list

Delete Object

DELETE

/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
DELETE /axapi/v3/ldap-server/host/ipv6/2003::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6-list

ipv6-list is **JSON List** of *ipv6 attributes*

ipv6-list : [

{ *ipv6 attributes* },

{ *ipv6 attributes* },

...

]

ipv6 attributes

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-addr

Description IPV6 address of ldap server

Type: string

Format: ipv6-address

ipv6-addr-cfg

Description: ipv6-addr-cfg is a **JSON Block**. Please see below for *ipv6-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv6-addr-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.54.5 ldap-server host ldap-hostname

Specify the hostname of LDAP server

ldap-hostname Specification

Type	*Collection*
Object Key(s)	*hostname*
Collection Name	*ldap-hostname-list*
Collection URI	/axapi/v3/ldap-server/host/ldap-hostname
Element Name	ldap-hostname
Element URI	/axapi/v3/ldap-server/host/ldap-hostname/{hostname}
Element Attributes	ldap-hostname_attributes
Schema	`ldap-hostname schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ldap-server/host/ldap-hostname

ldap-hostname attributes

```
POST /axapi/v3/ldap-server/host/ldap-hostname/
Payload:
{
    "ldap-hostname": {
        "hostname": "a",
        "dn-value": "a",
        "cn-value": "a",
        "port-cfg": {
            "port": 1
        }
    }
}
```

Create List

POST

/axapi/v3/ldap-server/host/ldap-hostname

ldap-hostname attributes

Get Object

GET

/axapi/v3/ldap-server/host/ldap-hostname/{hostname}

ldap-hostname attributes

```
GET /axapi/v3/ldap-server/host/ldap-hostname/a
Reponse:
{
    "ldap-hostname": {
        "hostname": "a",
        "hostname-cfg": {
            "ssl": 0
        },
        "cn-value": "a",
        "dn-value": "a",
        "port-cfg": {
            "port": 1,
            "ssl": 0
        },
        "uuid": "dcc65032-600d-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/ldap-server/host/ldap-hostname/a"
    }
}
```

Get List

GET

/axapi/v3/ldap-server/host/ldap-hostname

ldap-hostname-list

Modify Object

POST

/axapi/v3/ldap-server/host/ldap-hostname/{hostname}

ldap-hostname attributes

Replace Object

PUT

/axapi/v3/ldap-server/host/ldap-hostname/{hostname}

ldap-hostname attributes

```
PUT /axapi/v3/ldap-server/host/ldap-hostname/a
Payload:
{
    "ldap-hostname": {
        "hostname": "a",
        "dn-value": "ab",
        "cn-value": "ab",
        "port-cfg": {
            "port": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/ldap-server/host/ldap-hostname

ldap-hostname-list

Delete Object

DELETE

/axapi/v3/ldap-server/host/ldap-hostname/{hostname}

ldap-hostname attributes

```
DELETE /axapi/v3/ldap-server/host/ldap-hostname/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ldap-hostname-list

ldap-hostname-list is **JSON List** of *ldap-hostname attributes*

ldap-hostname-list : [

{ *ldap-hostname attributes* },

{ *ldap-hostname attributes* },

...

]

ldap-hostname attributes

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

hostname

Description Hostname of LDAP server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

hostname-cfg

Description: hostname-cfg is a **JSON Block**. Please see below for *hostname-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hostname-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

port-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

domain-cfg

Specification	
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.55 license-manager

Objects:

2.55.1 license-manager

Configure license manager

license-manager Specification

Type	*Configuration Resource*
Element Name	license-manager
Element URI	/axapi/v3/license-manager
Element Attributes	license-manager_attributes
Schema	`license-manager schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager

license-manager attributes

Get Object

GET

/axapi/v3/license-manager

license-manager attributes

Modify Object

POST

/axapi/v3/license-manager

license-manager attributes

Replace Object

PUT

/axapi/v3/license-manager

license-manager attributes

Delete Object

DELETE

/axapi/v3/license-manager

license-manager attributes

license-manager attributes

bandwidth-base

Description Configure feature bandwidth base (Mb)

Type: number

Range: 10-102400

bandwidth-unrestricted

Description Set the bandwidth to maximum

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description: connect is a **JSON Block**. Please see below for *connect*

Type: Object

Refernce Object: */axapi/v3/license-manager/connect*

host-list

Type: List

Refernce Object: */axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}*

instance-name

Description Configure instance name [format: (string).(string).(string).(string)]

Type: string

Maximum Length: 63 characters

Maximum Length: 7 characters

interval

Description Configure interval profile (1 monthly, 2 daily, 3 hourly)

Type: number

Range: 1-3

overage

Description: overage is a **JSON Block**. Please see below for *overage*

Type: Object

Refernce Object: */axapi/v3/license-manager/overage*

reminder-list

Type: List

Refernce Object: */axapi/v3/license-manager/reminder/{reminder-value}*

sn

Description serial number

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port to connect license server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

connect

Specification	
Type	*object*

connect

Description Connect to license manager to activate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reminder-list

Specification	
Type	*list*
Block object keys	

reminder-value

Description Configure reminder for grace time (Hour)

Type: number

Range: 1-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

overage

Specification	
Type	*object*

bytes

Description Number of bytes

Type: number

Range: 1-1023

days

Description Number of days

Type: number

Range: 0-365

gb

Description Number of GB

Type: number

Range: 1-65535

hours

Description Number of hours

Type: number

Range: 0-23

kb

Description Number of KB

Type: number

Range: 1-1023

mb

Description Number of MB

Type: number

Range: 1-1023

minutes

Description Number of minutes

Type: number

Range: 0-59

seconds

Description Number of seconds

Type: number

Range: 0-59

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list

Specification	
Type	*list*
Block object keys	

host-ipv4

Description license server ip address (length:1-31)

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

host-ipv6

Description Configure license manager server ipv6-address

Type: string

Format: ipv6-address

Maximum Length: 63 characters

Maximum Length: 1 characters

port

Description Configure the license manager port, default is 443

Type: number

Range: 1-65535

Default: 443

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.55.2 license-manager connect

Connect to license manager to activate

connect Specification

Type	*Configuration Resource*
Element Name	connect
Element URI	/axapi/v3/license-manager/connect
Element Attributes	connect_attributes
Schema	`connect schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager/connect

connect attributes

Get Object

GET

/axapi/v3/license-manager/connect

connect attributes

Modify Object

POST

/axapi/v3/license-manager/connect

connect attributes

Replace Object

PUT

/axapi/v3/license-manager/connect

connect attributes

Delete Object

DELETE

/axapi/v3/license-manager/connect

connect attributes

connect attributes

connect

Description Connect to license manager to activate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.55.3 license-manager host

Configure license manager host

host Specification

Type	*Collection*
Object Key(s)	*host-ipv4, host-ipv6*
Collection Name	*host-list*
Collection URI	/axapi/v3/license-manager/host
Element Name	host
Element URI	/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}
Element Attributes	host_attributes
Schema	`host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager/host

host attributes

Create List

POST

/axapi/v3/license-manager/host

host attributes

Get Object

GET

/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}

host attributes

Get List

GET

/axapi/v3/license-manager/host

host-list

Modify Object

POST

/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}

host attributes

Replace Object

PUT

/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}

host attributes

Replace List

PUT

/axapi/v3/license-manager/host

host-list

Delete Object

DELETE

/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}

host attributes

host-list

host-list is **JSON List** of *host attributes*

host-list : [

{ *host attributes* },

{ *host attributes* },

...

]

host attributes

host-ipv4

Description license server ip address (length:1-31)

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

host-ipv6

Description Configure license manager server ipv6-address

Type: string

Format: ipv6-address

Maximum Length: 63 characters

Maximum Length: 1 characters

port

Description Configure the license manager port, default is 443

Type: number

Range: 1-65535

Default: 443

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.55.4 license-manager overage

Set overage parameters

overage Specification

Type	*Configuration Resource*
Element Name	overage
Element URI	/axapi/v3/license-manager/overage
Element Attributes	overage_attributes
Schema	`overage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager/overage

overage attributes

Get Object

GET

/axapi/v3/license-manager/overage

overage attributes

Modify Object

POST

/axapi/v3/license-manager/overage

overage attributes

Replace Object

PUT

/axapi/v3/license-manager/overage

overage attributes

Delete Object

DELETE

/axapi/v3/license-manager/overage

overage attributes

overage attributes

bytes

Description Number of bytes

Type: number

Range: 1-1023

days

Description Number of days

Type: number

Range: 0-365

gb

Description Number of GB

Type: number

Range: 1-65535

hours

Description Number of hours

Type: number

Range: 0-23

kb

Description Number of KB

Type: number

Range: 1-1023

mb

Description Number of MB

Type: number

Range: 1-1023

minutes

Description Number of minutes

Type: number

Range: 0-59

seconds

Description Number of seconds

Type: number

Range: 0-59

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.55.5 license-manager reminder

Set the reminder for grace time

reminder Specification

Type	*Collection*
Object Key(s)	*reminder-value*
Collection Name	*reminder-list*
Collection URI	/axapi/v3/license-manager/reminder
Element Name	reminder
Element URI	/axapi/v3/license-manager/reminder/{reminder-value}
Element Attributes	reminder_attributes
Schema	`reminder schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager/reminder

reminder attributes

Create List

POST

/axapi/v3/license-manager/reminder

reminder attributes

Get Object

GET

/axapi/v3/license-manager/reminder/{reminder-value}

reminder attributes

Get List

GET

/axapi/v3/license-manager/reminder

reminder-list

Modify Object

POST

/axapi/v3/license-manager/reminder/{reminder-value}

reminder attributes

Replace Object

PUT

/axapi/v3/license-manager/reminder/{reminder-value}

reminder attributes

Replace List

PUT

/axapi/v3/license-manager/reminder

reminder-list

Delete Object

DELETE

/axapi/v3/license-manager/reminder/{reminder-value}

reminder attributes

reminder-list

reminder-list is **JSON List** of *reminder attributes*

reminder-list : [

{ *reminder attributes* },

{ *reminder attributes* },

...

]

reminder attributes

reminder-value

Description Configure reminder for grace time (Hour)

Type: number

Range: 1-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56 locale

Objects:

2.56.1 locale

Set locale for the CLI startup

locale Specification

Type	*Configuration Resource*
Element Name	locale
Element URI	/axapi/v3/locale
Element Attributes	locale_attributes
Schema	`locale schema`

Operations Allowed:

Create Object

POST

/axapi/v3/locale

locale attributes

Get Object

GET

/axapi/v3/locale

locale attributes

Modify Object

POST

/axapi/v3/locale

locale attributes

Replace Object

PUT

/axapi/v3/locale

locale attributes

Delete Object

DELETE

/axapi/v3/locale

locale attributes

locale attributes

test

Description: test is a **JSON Block**. Please see below for *test*

Type: Object

Refernce Object: */axapi/v3/locale/test*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'en_US.UTF-8': English locale for the USA, encoding with UTF-8 (default); 'zh_CN.UTF-8': Chinese locale for PRC, encoding with UTF-8; 'zh_CN.GB18030': Chinese locale for PRC, encoding with GB18030; 'zh_CN.GBK': Chinese locale for PRC, encoding with GBK; 'zh_CN.GB2312': Chinese locale for PRC, encoding with GB2312; 'zh_TW.UTF-8': Chinese locale for Taiwan, encoding with UTF-8; 'zh_TW.BIG5': Chinese locale for Taiwan, encoding with BIG5; 'zh_TW.EUCTW': Chinese locale for Taiwan, encoding with EUC-TW; 'ja_JP.UTF-8': Japanese locale for Japan, encoding with UTF-8; 'ja_JP.EUC-JP': Japanese locale for Japan, encoding with EUC-JP;

Type: string

Supported Values: en_US.UTF-8, zh_CN.UTF-8, zh_CN.GB18030, zh_CN.GBK, zh_CN.GB2312, zh_TW.UTF-8, zh_TW.BIG5, zh_TW.EUCTW, ja_JP.UTF-8, ja_JP.EUC-JP

Default: en_US.UTF-8

test

Specification	
Type	*object*

locale

Description 'zh_CN': Chinese locale for PRC; 'zh_TW': Chinese locale for Taiwan; 'ja_JP': Japanese locale for Japan;

Type: string

Supported Values: zh_CN, zh_TW, ja_JP

2.57 logging

Objects:

2.57.1 logging

System logging configuration

logging Specification

Type	*Intermediate Resource*
Element Name	logging
Element URI	/axapi/v3/logging
Element Attributes	logging_attributes
Schema	`logging schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging

logging_attributes

logging attributes

auditlog

Description: auditlog is a **JSON Block**. Please see below for *auditlog*

Type: Object

Refernce Object: */axapi/v3/logging/auditlog*

buffered

Description: buffered is a **JSON Block**. Please see below for *buffered*

Type: Object

Refernce Object: */axapi/v3/logging/buffered*

configure

Description: configure is a **JSON Block**. Please see below for *configure*

Type: Object

Refernce Object: */axapi/v3/logging/configure*

console

Description: console is a **JSON Block**. Please see below for *console*

Type: Object

Refernce Object: */axapi/v3/logging/console*

disable-partition-name

Description: disable-partition-name is a **JSON Block**. Please see below for *disable-partition-name*

Type: Object

Refernce Object: */axapi/v3/logging/disable-partition-name*

email

Description: email is a **JSON Block**. Please see below for *email*

Type: Object

Refernce Object: */axapi/v3/logging/email*

email-address

Description: email-address is a **JSON Block**. Please see below for *email-address*

Type: Object

Refernce Object: */axapi/v3/logging/email-address*

export

Description: export is a **JSON Block**. Please see below for *export*

Type: Object

Refernce Object: */axapi/v3/logging/export*

facility

Description: facility is a **JSON Block**. Please see below for *facility*

Type: Object

Refernce Object: */axapi/v3/logging/facility*

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Refernce Object: */axapi/v3/logging/host*

local-log

Description: local-log is a **JSON Block**. Please see below for *local-log*

Type: Object

Refernce Object: */axapi/v3/logging/local-log*

lsn

Description: lsn is a **JSON Block**. Please see below for *lsn*

Type: Object

Refernce Object: */axapi/v3/logging/lsn*

monitor

Description: monitor is a **JSON Block**. Please see below for *monitor*

Type: Object

Refernce Object: */axapi/v3/logging/monitor*

single-priority-list

Type: List

Refernce Object: */axapi/v3/logging/single-priority/{levelname}*

syslog

Description: syslog is a **JSON Block**. Please see below for *syslog*

Type: Object

Refernce Object: */axapi/v3/logging/syslog*

trap

Description: trap is a **JSON Block**. Please see below for *trap*

Type: Object

Refernce Object: */axapi/v3/logging/trap*

buffered

Specification	
Type	*object*

buffersize

Description Logging buffer size (in items), default 30000

Type: number

Range: 10000-50000

Default: 30000

levelname

Description 'disable': Do not send log to buffer; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: debugging

partition-buffersize

Description Logging buffer size (in items), default 3000

Type: number

Range: 1000-5000

Default: 3000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email-address

Specification	
Type	*object*

email-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email-address_email-list

Specification	
Type	*list*
Block object keys	

email-address

Description Email address information of recipients

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

console

Specification	
Type	*object*

console-levelname

Description 'disable': Do not send log to console; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: error

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor

Specification	
Type	*object*

monitor-levelname

Description 'disable': Do not send log to monitor; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

facility

Specification	
Type	*object*

facilityname

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Facility parameter for syslog messages)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn

Specification	
Type	*object*

log-suppression

Description: log-suppression is a **JSON Block**. Please see below for *lsn_log-suppression*

Type: Object

Refernce Object: */axapi/v3/logging/lsn/log-suppression*

quota-exceeded

Description: quota-exceeded is a **JSON Block**. Please see below for *lsn_quota-exceeded*

Type: Object

Refernce Object: */axapi/v3/logging/lsn/quota-exceeded*

lsn_quota-exceeded

Specification	
Type	*object*

custom1

Description Customized attribute No.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom2

Description Customized attribute No.2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom3

Description Customized attribute No.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom4

Description Customized attribute No.4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom5

Description Customized attribute No.5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom6

Description Customized attribute No.6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-pool-based

Description Disable log LSN user quota exceeded based on LSN pool(Default: enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imei

Description International Mobile Equipment Identity (IMEI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imsi

Description International Mobile Subscriber Identity (IMSI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-based

Description Log LSN user quota exceeded based on private IP(Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn

Description Mobile Subscriber Integrated Services Digital Netwrok-Number (MSISDN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

with-radius-attribute

Description Log with radius attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn_log-suppression

Specification	
Type	*object*

count

Description Configure log suppression count (default: 100)

Type: number

Range: 50-500

Default: 100

time

Description Log generation timeout(default: 30 seconds)

Type: number

Range: 1-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-partition-name

Specification	
Type	*object*

disable-partition-name

Description Disable partition name in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log

Specification	
Type	*object*

access

Description: access is a **JSON Block**. Please see below for *local-log_access*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/access*

app-fw

Description: app-fw is a **JSON Block**. Please see below for *local-log_app-fw*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/app-fw*

authentication

Description: authentication is a **JSON Block**. Please see below for *local-log_authentication*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/authentication*

global

Description: global is a **JSON Block**. Please see below for *local-log_global*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/global*

local-log_access

Specification	
Type	*object*

log

Description: log is a **JSON Block**. Please see below for *local-log_access_log*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/access/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *local-log_access_top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/access/top-n*

local-log_access_top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_access_log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_authentication

Specification	
Type	*object*

log

Description: log is a **JSON Block**. Please see below for *local-log_authentication_log*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/authentication/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *local-log_authentication_top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/authentication/top-n*

local-log_authentication_top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_authentication_log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'enqueue': Total local-log enqueue; 'enqueue-full': Total local-log queue full; 'enqueue-error': Total local-log enqueue error; 'dequeue': Total local-log dequeue; 'dequeue-error': Total local-log dequeue processing error; 'raw-log': Total local-log raw logs; 'raw-log-error': Total raw log logging error; 'log-summarized': Total raw log summarized; 'l1-log-summarized': Total layer 1 log summarized; 'l2-log-summarized': Total layer 2 log summarized; 'log-summarized-error': Total local-log summarization error; 'aam-db': Total local-log AAM raw database; 'ep-db': Total local-log EP raw database; 'fw-db': Total local-log Firewall raw database; 'aam-top-user-db': Total local-log AAM top user summary database; 'ep-top-user-db': Total local-log EP top user summary database; 'ep-top-src-db': Total local-log EP top client summary database; 'ep-top-dst-db': Total local-log EP top destination summary database; 'ep-top-domain-db': Total local-log EP top domain summary database; 'ep-top-web-category-db': Total local-log EP top web-category summary database; 'ep-top-host-db': Total local-log EP top host summary database; 'fw-top-app-db': Total local-log Firewall top application summary database; 'fw-top-src-db': Total local-log Firewall top source summary database; 'fw-top-app-src-db': Total local-log Firewall top application and source summary database; 'fw-top-category-db': Total local-log Firewall top category summary database; 'db-erro': Total local-log database create error; 'query': Total local-log axapi query; 'response': Total local-log axapi response; 'query-error': Total local-log axapi query error; 'fw-top-thr-db': Total local-log Firewall top threat summary database; 'fw-top-thr-src-db': Total local-log Firewall top threat and source summary database;

Type: string

Supported Values: all, enqueue, enqueue-full, enqueue-error, dequeue, dequeue-error, raw-log, raw-log-error, log-summarized, l1-log-summarized, l2-log-summarized, log-summarized-error, aam-db, ep-db, fw-db, aam-top-user-db, ep-top-user-db, ep-top-src-db, ep-top-dst-db, ep-top-domain-db, ep-top-web-category-db, ep-top-host-db, fw-top-app-db, fw-top-src-db, fw-top-app-src-db, fw-top-category-db, db-erro, query, response, query-error, fw-top-thr-db, fw-top-thr-src-db

local-log_app-fw

Specification	
Type	*object*

dot-plot

Description: dot-plot is a **JSON Block**. Please see below for *local-log_app-fw_dot-plot*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/app-fw/dot-plot*

top-n

Description: top-n is a **JSON Block**. Please see below for *local-log_app-fw_top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/app-fw/top-n*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_app-fw_top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_app-fw_dot-plot

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email

Specification	
Type	*object*

buffer

Description: buffer is a **JSON Block**. Please see below for *email_buffer*

Type: Object

Refernce Object: */axapi/v3/logging/email/buffer*

filter-list

Type: List

Refernce Object: */axapi/v3/logging/email/filter/{filter-id}*

level

Description: level is a **JSON Block**. Please see below for *email_level*

Type: Object

Refernce Object: */axapi/v3/logging/email/level*

email_buffer

Specification	
Type	*object*

number

Description Number of log messages that can be buffered (Number of log messages that can be buffered, default 50)

Type: number

Range: 16-256

Default: 50

time

Description Number of minutes a log message can stay in buffer (Number of minutes a log message can stay in buffer, default 10)

Type: number

Range: 10-1440

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email_filter-list

Specification	
Type	*list*
Block object keys	

expression

Description Reverse Polish Notation, consists of level 0-7, module AFLEX/HMON/..., pattern log-content-pattern, and or/and/not

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

filter-id

Description Logging via email filter settings

Type: number

Range: 1-8

trigger

Description Trigger email, override buffer settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email_level

Specification	
Type	*object*

email-levelname

Description 'disable': Do not send log to email address; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'notification': Normal but significant conditions (severity=5);

Type: string

Supported Values: disable, emergency, alert, critical, notification

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syslog

Specification	
Type	*object*

syslog-levelname

Description 'disable': Do not send log to syslog; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	
Type	*object*

ipv4addr-list

Type: List

Refernce Object: */axapi/v3/logging/host/ipv4addr/{host-ipv4}*

ipv6addr-list

Type: List

Refernce Object: */axapi/v3/logging/host/ipv6addr/{host-ipv6}*

partition

Description: partition is a **JSON Block**. Please see below for *host_partition*

Type: Object

Refernce Object: */axapi/v3/logging/host/partition*

host_ipv6addr-list

Specification	
Type	*list*
Block object keys	

host-ipv6

Description Set syslog host ipv6 address

Type: string

Format: ipv6-address

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_partition

Specification	
Type	*object*

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Refernce Object: */axapi/v3/partition*

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv4addr-list

Specification	
Type	*list*
Block object keys	

host-ipv4

Description Set syslog host ip address

Type: string

Format: host

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

export

Specification	
Type	*object*

all

Description System support messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description Remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trap

Specification	
Type	*object*

trap-levelname

Description 'disable': Do not send trap to snmp host; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2);

Type: string

Supported Values: disable, emergency, alert, critical

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auditlog

Specification	
Type	*object*

audit-facility

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Configure the facility of auditlog)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

host4

Description Configure the auditlog host

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: host4shared, partition-name and host6 are mutually exclusive

host6

Description Configure the auditlog host

Type: string

Format: ipv6-address

Mutual Exclusion: host6shared, partition-name and host4 are mutually exclusive

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-nameshared, host6 and host4 are mutually exclusive

Refernce Object: */axapi/v3/partition*

port

Description Set remote audit log port number(Default 514)

Type: number

Range: 1-32767

Default: 514

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: sharedpartition-name, host6 and host4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

single-priority-list

Specification	
Type	*list*
Block object keys	

levelname

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

configure

Specification	
Type	*object*

line-feed-in-udp-syslog

Description Add newline for syslog over UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.2 logging auditlog

Set send auditlog to syslog host

auditlog Specification

Type	*Configuration Resource*
Element Name	auditlog
Element URI	/axapi/v3/logging/auditlog
Element Attributes	auditlog_attributes
Schema	`auditlog schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/auditlog

auditlog attributes

```
POST /axapi/v3/logging/auditlog
Payload:
{
    "auditlog": {
        "audit-facility": "local0",
        "partition-name": "a",
        "port": 1
    }
}
```

Get Object

GET

/axapi/v3/logging/auditlog

auditlog attributes

```
GET /axapi/v3/logging/auditlog
Reponse:
{
    "auditlog": {
        "partition-name": "a",
        "audit-facility": "local0",
        "port": 1,
        "uuid": "f15ffbe2-60c6-11d9-9bdf-001fa00680a0",
        "a10-url": "/axapi/v3/logging/auditlog"
    }
}
```

Modify Object

POST

/axapi/v3/logging/auditlog

auditlog attributes

Replace Object

PUT

/axapi/v3/logging/auditlog

auditlog attributes

```
PUT /axapi/v3/logging/auditlog
Payload:
{
    "auditlog": {
        "audit-facility": "local2",
        "partition-name": "abcd",
        "port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/auditlog

auditlog attributes

```
DELETE /axapi/v3/logging/auditlog
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

auditlog attributes

audit-facility

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Configure the facility of auditlog)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

host4

Description Configure the auditlog host

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: host4shared, partition-name and host6 are mutually exclusive

host6

Description Configure the auditlog host

Type: string

Format: ipv6-address

Mutual Exclusion: host6shared, partition-name and host4 are mutually exclusive

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-nameshared, host6 and host4 are mutually exclusive

Refernce Object: */axapi/v3/partition*

port

Description Set remote audit log port number(Default 514)

Type: number

Range: 1-32767

Default: 514

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: sharedpartition-name, host6 and host4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.3 logging buffered

Set buffered logging parameters

buffered Specification

Type	*Configuration Resource*
Element Name	buffered
Element URI	/axapi/v3/logging/buffered
Element Attributes	buffered_attributes
Schema	`buffered schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/buffered

buffered attributes

```
POST /axapi/v3/logging/buffered
Payload:
{
    "buffered": {
        "buffersize": 10000
    }
}
```

Get Object

GET

/axapi/v3/logging/buffered

buffered attributes

```
GET /axapi/v3/logging/buffered
Reponse:
{
    "buffered": {
        "buffersize": 10000,
        "levelname": "debugging",
        "uuid": "e2ce3148-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/logging/buffered"
    }
}
```

Modify Object

POST

/axapi/v3/logging/buffered

buffered attributes

Replace Object

PUT

/axapi/v3/logging/buffered

buffered attributes

```
PUT /axapi/v3/logging/buffered
Payload:
{
    "buffered": {
        "buffersize": 10001
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/buffered

buffered attributes

```
DELETE /axapi/v3/logging/buffered
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

buffered attributes

buffersize

Description Logging buffer size (in items), default 30000

Type: number

Range: 10000-50000

Default: 30000

levelname

Description 'disable': Do not send log to buffer; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: debugging

partition-buffersize

Description Logging buffer size (in items), default 3000

Type: number

Range: 1000-5000

Default: 3000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.4 logging configure

Set logging configuration

configure Specification

Type	*Configuration Resource*
Element Name	configure
Element URI	/axapi/v3/logging/configure
Element Attributes	configure_attributes
Schema	`configure schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/configure

configure attributes

Get Object

GET

/axapi/v3/logging/configure

configure attributes

Modify Object

POST

/axapi/v3/logging/configure

configure attributes

Replace Object

PUT

/axapi/v3/logging/configure

configure attributes

Delete Object

DELETE

/axapi/v3/logging/configure

configure attributes

configure attributes

line-feed-in-udp-syslog

Description Add newline for syslog over UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.5 logging console

Set logging level which sent to console

console Specification

Type	*Configuration Resource*
Element Name	console
Element URI	/axapi/v3/logging/console
Element Attributes	console_attributes
Schema	`console schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/console

console attributes

```
POST /axapi/v3/logging/console
Payload:
{
    "console": {
        "console-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/console

console attributes

```
GET /axapi/v3/logging/console
Reponse:
{
    "console": {
        "console-levelname": "disable",
        "uuid": "e2ce2ebe-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/logging/console"
    }
}
```

Modify Object

POST

/axapi/v3/logging/console

console attributes

Replace Object

PUT

/axapi/v3/logging/console

console attributes

```
PUT /axapi/v3/logging/console
Payload:
{
    "console": {
        "console-levelname": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/console

console attributes

```
DELETE /axapi/v3/logging/console
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

console attributes

console-levelname

Description 'disable': Do not send log to console; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: error

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.6 logging disable-partition-name

disable-partition-name Specification

Type	*Configuration Resource*
Element Name	disable-partition-name
Element URI	/axapi/v3/logging/disable-partition-name
Element Attributes	disable-partition-name_attributes
Schema	`disable-partition-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

```
POST /axapi/v3/logging/disable-partition-name
Payload:
{
    "disable-partition-name": {
        "disable-partition-name": 1
    }
}
```

Get Object

GET

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

```
GET /axapi/v3/logging/disable-partition-name
Reponse:
{
    "disable-partition-name": {
        "disable-partition-name": 1,
        "uuid": "559c0a38-60c7-11d9-9bdf-001fa00680a0",
        "a10-url": "/axapi/v3/logging/disable-partition-name"
    }
}
```

Modify Object

POST

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

Replace Object

PUT

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

```
PUT /axapi/v3/logging/disable-partition-name
Payload:
{
    "disable-partition-name": {
        "disable-partition-name": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

```
DELETE /axapi/v3/logging/disable-partition-name
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

disable-partition-name attributes

disable-partition-name

Description Disable partition name in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.7 logging email

Set logging level which sent to email address

email Specification

Type	*Intermediate Resource*
Element Name	email
Element URI	/axapi/v3/logging/email
Element Attributes	email_attributes
Schema	`email schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging/email

email_attributes

email attributes

buffer

Description: buffer is a **JSON Block**. Please see below for *buffer*

Type: Object

Refernce Object: */axapi/v3/logging/email/buffer*

filter-list

Type: List

Refernce Object: */axapi/v3/logging/email/filter/{filter-id}*

level

Description: level is a **JSON Block**. Please see below for *level*

Type: Object

Refernce Object: */axapi/v3/logging/email/level*

buffer

Specification	
Type	*object*

number

Description Number of log messages that can be buffered (Number of log messages that can be buffered, default 50)

Type: number

Range: 16-256

Default: 50

time

Description Number of minutes a log message can stay in buffer (Number of minutes a log message can stay in buffer, default 10)

Type: number

Range: 10-1440

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

filter-list

Specification	
Type	*list*
Block object keys	

expression

Description Reverse Polish Notation, consists of level 0-7, module AFLEX/HMON/..., pattern log-content-pattern, and or/and/not

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

filter-id

Description Logging via email filter settings

Type: number

Range: 1-8

trigger

Description Trigger email, override buffer settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

level

Specification	
Type	*object*

email-levelname

Description 'disable': Do not send log to email address; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'notification': Normal but significant conditions (severity=5);

Type: string

Supported Values: disable, emergency, alert, critical, notification

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.8 logging email-address

Set the recipients address

email-address Specification

Type	*Configuration Resource*
Element Name	email-address
Element URI	/axapi/v3/logging/email-address
Element Attributes	email-address_attributes
Schema	`email-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/email-address

email-address attributes

```
POST /axapi/v3/logging/email-address
Payload:
{
    "email-address": {
        "email-list": [
            {
                "email-address": "j@j.c"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/logging/email-address

email-address attributes

```
GET /axapi/v3/logging/email-address
Reponse:
{
    "email-address": {
        "email-list": [
            {
                "email-address": "j@j.c"
            }
        ],
        "uuid": "6f68ccf8-60c7-11d9-9bdf-001fa00680a0",
        "a10-url": "/axapi/v3/logging/email-address"
    }
}
```

Modify Object

POST

/axapi/v3/logging/email-address

email-address attributes

Replace Object

PUT

/axapi/v3/logging/email-address

email-address attributes

```
PUT /axapi/v3/logging/email-address
Payload:
{
    "email-address": {
        "email-list": [
            {
                "email-address": "o@pol.com"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/email-address

email-address attributes

```
DELETE /axapi/v3/logging/email-address
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

email-address attributes

email-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email-list

Specification	
Type	*list*
Block object keys	

email-address

Description Email address information of recipients

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

2.57.9 logging email buffer

Logging via email buffering settings

buffer Specification

Type	*Configuration Resource*
Element Name	buffer
Element URI	/axapi/v3/logging/email/buffer
Element Attributes	buffer_attributes
Schema	`buffer schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/email/buffer

buffer attributes

```
POST /axapi/v3/logging/email/buffer
Payload:
{
    "buffer": {
        "number": 16
    }
}
```

Get Object

GET

/axapi/v3/logging/email/buffer

buffer attributes

```
GET /axapi/v3/logging/email/buffer
Reponse:
{
    "buffer": {
        "number": 16,
        "time": 10,
        "uuid": "7c4ae1ae-60c7-11d9-9bdf-001fa00680a0",
        "a10-url": "/axapi/v3/logging/email/buffer"
    }
}
```

Modify Object

POST

/axapi/v3/logging/email/buffer

buffer attributes

Replace Object

PUT

/axapi/v3/logging/email/buffer

buffer attributes

```
PUT /axapi/v3/logging/email/buffer
Payload:
{
    "buffer": {
        "number": 17
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/email/buffer

buffer attributes

```
DELETE /axapi/v3/logging/email/buffer
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

buffer attributes

number

Description Number of log messages that can be buffered (Number of log messages that can be buffered, default 50)

Type: number

Range: 16-256

Default: 50

time

Description Number of minutes a log message can stay in buffer (Number of minutes a log message can stay in buffer, default 10)

Type: number

Range: 10-1440

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.10 logging email filter

Logging via email filter settings

filter Specification

Type	*Collection*
Object Key(s)	*filter-id*
Collection Name	*filter-list*
Collection URI	/axapi/v3/logging/email/filter
Element Name	filter
Element URI	/axapi/v3/logging/email/filter/{filter-id}
Element Attributes	filter_attributes
Schema	`filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/email/filter

filter attributes

```
POST /axapi/v3/logging/email/filter/
Payload:
{
    "filter": {
        "filter-id": 1,
        "expression": "level emergency module AFLEX and pattern aaa or"
    }
}
```

Create List

POST

/axapi/v3/logging/email/filter

filter attributes

Get Object

GET

/axapi/v3/logging/email/filter/{filter-id}

filter attributes

```
GET /axapi/v3/logging/email/filter/1
Reponse:
{
    "filter": {
        "filter-id": 1,
        "expression": "level emergency module AFLEX and pattern aaa or",
        "trigger": 0,
        "uuid": "8e4d2a74-60c7-11d9-9bdf-001fa00680a0",
        "a10-url": "/axapi/v3/logging/email/filter/1"
    }
}
```

Get List

GET

/axapi/v3/logging/email/filter

filter-list

Modify Object

POST

/axapi/v3/logging/email/filter/{filter-id}

filter attributes

Replace Object

PUT

/axapi/v3/logging/email/filter/{filter-id}

filter attributes

```
PUT /axapi/v3/logging/email/filter/1
Payload:
{
    "filter": {
        "filter-id": 1,
        "expression": "level emergency module AFLEX and pattern aada or"
    }
}
```

Replace List

PUT

/axapi/v3/logging/email/filter

filter-list

Delete Object

DELETE

/axapi/v3/logging/email/filter/{filter-id}

filter attributes

```
DELETE /axapi/v3/logging/email/filter/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

filter-list

filter-list is **JSON List** of *filter attributes*

filter-list : [

{ *filter attributes* },

{ *filter attributes* },

...

]

filter attributes

expression

Description Reverse Polish Notation, consists of level 0-7, module AFLEX/HMON/..., pattern log-content-pattern, and or/and/not

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

filter-id

Description Logging via email filter settings

Type: number

Range: 1-8

trigger

Description Trigger email, override buffer settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.11 logging email level

Set logging level which sent to email address

level Specification

Type	*Configuration Resource*
Element Name	level
Element URI	/axapi/v3/logging/email/level
Element Attributes	level_attributes
Schema	`level schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/email/level

level attributes

```
POST /axapi/v3/logging/email/level
Payload:
{
    "level": {
        "email-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/email/level

level attributes

```
GET /axapi/v3/logging/email/level
Reponse:
{
    "level": {
        "email-levelname": "disable",
        "uuid": "e2ce2f9a-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/logging/email/level"
    }
}
```

Modify Object

POST

/axapi/v3/logging/email/level

level attributes

Replace Object

PUT

/axapi/v3/logging/email/level

level attributes

```
PUT /axapi/v3/logging/email/level
Payload:
{
    "level": {
        "email-levelname": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/email/level

level attributes

```
DELETE /axapi/v3/logging/email/level
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

level attributes

email-levelname

Description 'disable': Do not send log to email address; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'notification': Normal but significant conditions (severity=5);

Type: string

Supported Values: disable, emergency, alert, critical, notification

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.12 logging facility

Facility parameter for syslog messages

facility Specification

Type	*Configuration Resource*
Element Name	facility
Element URI	/axapi/v3/logging/facility
Element Attributes	facility_attributes
Schema	`facility schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/facility

facility attributes

```
POST /axapi/v3/logging/facility
Payload:
{
    "facility": {
        "facilityname": "local0"
    }
}
```

Get Object

GET

/axapi/v3/logging/facility

facility attributes

```
GET /axapi/v3/logging/facility
Reponse:
{
    "facility": {
        "facilityname": "local0",
        "uuid": "c3e487c2-60c7-11d9-9bdf-001fa00680a0",
        "a10-url": "/axapi/v3/logging/facility"
    }
}
```

Modify Object

POST

/axapi/v3/logging/facility

facility attributes

Replace Object

PUT

/axapi/v3/logging/facility

facility attributes

Delete Object

DELETE

/axapi/v3/logging/facility

facility attributes

```
DELETE /axapi/v3/logging/facility
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

facility attributes

facilityname

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Facility parameter for syslog messages)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.13 logging host

Set remote syslog host DNS name or ip address

host Specification

Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/logging/host
Element Attributes	host_attributes
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging/host

host_attributes

host attributes

ipv4addr-list

Type: List

Refernce Object: */axapi/v3/logging/host/ipv4addr/{host-ipv4}*

ipv6addr-list

Type: List

Refernce Object: */axapi/v3/logging/host/ipv6addr/{host-ipv6}*

partition

Description: partition is a **JSON Block**. Please see below for *partition*

Type: Object

Refernce Object: */axapi/v3/logging/host/partition*

ipv6addr-list

Specification	
Type	*list*
Block object keys	

host-ipv6

Description Set syslog host ipv6 address

Type: string

Format: ipv6-address

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition

Specification	
Type	*object*

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Refernce Object: */axapi/v3/partition*

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4addr-list

Specification	
Type	*list*
Block object keys	

host-ipv4

Description Set syslog host ip address

Type: string

Format: host

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.14 logging host ipv4addr

host DNS name or ipv4 address of remote syslog server

ipv4addr Specification

Type	*Collection*
Object Key(s)	*host-ipv4*
Collection Name	*ipv4addr-list*
Collection URI	/axapi/v3/logging/host/ipv4addr
Element Name	ipv4addr
Element URI	/axapi/v3/logging/host/ipv4addr/{host-ipv4}
Element Attributes	ipv4addr_attributes
Schema	`ipv4addr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/host/ipv4addr

ipv4addr attributes

Create List

POST

/axapi/v3/logging/host/ipv4addr

ipv4addr attributes

Get Object

GET

/axapi/v3/logging/host/ipv4addr/{host-ipv4}

ipv4addr attributes

Get List

GET

/axapi/v3/logging/host/ipv4addr

ipv4addr-list

Modify Object

POST

/axapi/v3/logging/host/ipv4addr/{host-ipv4}

ipv4addr attributes

Replace Object

PUT

/axapi/v3/logging/host/ipv4addr/{host-ipv4}

ipv4addr attributes

Replace List

PUT

/axapi/v3/logging/host/ipv4addr

ipv4addr-list

Delete Object

DELETE

/axapi/v3/logging/host/ipv4addr/{host-ipv4}

ipv4addr attributes

ipv4addr-list

ipv4addr-list is **JSON List** of *ipv4addr attributes*

ipv4addr-list : [

{ *ipv4addr attributes* },

{ *ipv4addr attributes* },

...

]

ipv4addr attributes

host-ipv4

Description Set syslog host ip address

Type: string

Format: host

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.15 logging host ipv6addr

ipv6 address of remote syslog server

ipv6addr Specification

Type	*Collection*
Object Key(s)	*host-ipv6*
Collection Name	*ipv6addr-list*
Collection URI	/axapi/v3/logging/host/ipv6addr
Element Name	ipv6addr
Element URI	/axapi/v3/logging/host/ipv6addr/{host-ipv6}
Element Attributes	ipv6addr_attributes
Schema	`ipv6addr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/host/ipv6addr

ipv6addr attributes

```
POST /axapi/v3/logging/host/ipv6addr/
Payload:
{
    "ipv6addr": {
        "host-ipv6": "2003::1",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/logging/host/ipv6addr

ipv6addr attributes

Get Object

GET

/axapi/v3/logging/host/ipv6addr/{host-ipv6}

ipv6addr attributes

```
GET /axapi/v3/logging/host/ipv6addr/2003::1
Reponse:
{
    "ipv6addr": {
        "host-ipv6": "2003::1",
        "use-mgmt-port": 1,
        "port": 514,
        "tcp": 0,
        "uuid": "dda378d0-60c7-11d9-9bdf-001fa00680a0",
        "a10-url": "/axapi/v3/logging/host/ipv6addr/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/logging/host/ipv6addr

ipv6addr-list

Modify Object

POST

/axapi/v3/logging/host/ipv6addr/{host-ipv6}

ipv6addr attributes

Replace Object

PUT

/axapi/v3/logging/host/ipv6addr/{host-ipv6}

ipv6addr attributes

```
PUT /axapi/v3/logging/host/ipv6addr/2003::1
Payload:
{
    "ipv6addr": {
        "host-ipv6": "2003::1",
        "port": 2
    }
}
```

Replace List

PUT

/axapi/v3/logging/host/ipv6addr

ipv6addr-list

Delete Object

DELETE

/axapi/v3/logging/host/ipv6addr/{host-ipv6}

ipv6addr attributes

```
DELETE /axapi/v3/logging/host/ipv6addr/2003::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6addr-list

ipv6addr-list is **JSON List** of *ipv6addr attributes*

ipv6addr-list : [

{ *ipv6addr attributes* },

{ *ipv6addr attributes* },

...

]

ipv6addr attributes

host-ipv6

Description Set syslog host ipv6 address

Type: string

Format: ipv6-address

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.16 logging host partition

Specify preferred partition configuration

partition Specification

Type	*Configuration Resource*
Element Name	partition
Element URI	/axapi/v3/logging/host/partition
Element Attributes	partition_attributes
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/host/partition

partition attributes

```
POST /axapi/v3/logging/host/partition
Payload:
{
    "partition": {
        "partition-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/logging/host/partition

partition attributes

```
GET /axapi/v3/logging/host/partition
Reponse:
{
    "partition": {
        "partition-name": "a",
        "uuid": "029a1900-60c8-11d9-9bdf-001fa00680a0",
        "a10-url": "/axapi/v3/logging/host/partition"
    }
}
```

Modify Object

POST

/axapi/v3/logging/host/partition

partition attributes

Replace Object

PUT

/axapi/v3/logging/host/partition

partition attributes

```
PUT /axapi/v3/logging/host/partition
Payload:
{
    "partition": {
        "partition-name": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/host/partition

partition attributes

```
DELETE /axapi/v3/logging/host/partition
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

partition attributes

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Refernce Object: */axapi/v3/partition*

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.17 logging local-log

local log

local-log Specification

Type	*Intermediate Resource*
Element Name	local-log
Element URI	/axapi/v3/logging/local-log
Element Attributes	local-log_attributes
Schema	`local-log schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging/local-log

local-log_attributes

local-log attributes

access

Description: access is a **JSON Block**. Please see below for *access*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/access*

app-fw

Description: app-fw is a **JSON Block**. Please see below for *app-fw*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/app-fw*

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/authentication*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/global*

access

Specification	
Type	*object*

log

Description: log is a **JSON Block**. Please see below for *access_log*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/access/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *access_top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/access/top-n*

access_top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access_log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

log

Description: log is a **JSON Block**. Please see below for *authentication_log*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/authentication/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *authentication_top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/authentication/top-n*

authentication_top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'enqueue': Total local-log enqueue; 'enqueue-full': Total local-log queue full; 'enqueue-error': Total local-log enqueue error; 'dequeue': Total local-log dequeue; 'dequeue-error': Total local-log dequeue processing error; 'raw-log': Total local-log raw logs; 'raw-log-error': Total raw log logging error; 'log-summarized': Total raw log summarized; 'l1-log-summarized': Total layer 1 log summarized; 'l2-log-summarized': Total layer 2 log summarized; 'log-summarized-error': Total local-log summarization error; 'aam-db': Total local-log AAM raw database; 'ep-db': Total local-log EP raw database; 'fi-db': Total local-log File-Inspection raw database; 'fw-db': Total local-log Firewall raw database; 'aam-top-user-db': Total local-log AAM top user summary database; 'ep-top-user-db': Total local-log EP top user summary database; 'ep-top-src-db': Total local-log EP top client summary database; 'ep-top-dst-db': Total local-log EP top destination summary database; 'ep-top-domain-db': Total local-log EP top domain summary database; 'ep-top-web-category-db': Total local-log EP top web-category summary database; 'ep-top-host-db': Total local-log EP top host summary database; 'fi-top-src-db': Total local-log File-Inspection top source summary database; 'fi-top-dst-db': Total local-log File-Inspection top destination summary database; 'fi-top-filename-db': Total local-log File-Inspection top file name summary database; 'fi-top-file-ext-db': Total local-log File-Inspection top file extension summary database; 'fi-top-url-db': Total local-log File-Inspection top URL summary database; 'fw-top-app-db': Total local-log Friewall top application summary database; 'fw-top-src-db': Total local-log Friewall top source summary database; 'fw-top-app-src-db': Total local-log Friewall top application and source summary database; 'fw-top-category-db': Total local-log Friewall top category summary database; 'db-erro': Total local-log database create error; 'query': Total local-log axapi query; 'response': Total local-log axapi response; 'query-error': Total local-log axapi query error;

Type: string

Supported Values: all, enqueue, enqueue-full, enqueue-error, dequeue, dequeue-error, raw-log, raw-log-error, log-summarized, l1-log-summarized, l2-log-summarized, log-summarized-error, aam-db, ep-db, fw-db, aam-top-user-db, ep-top-user-db, ep-top-src-db, ep-top-dst-db, ep-top-domain-db, ep-top-web-category-db, ep-top-host-db, fw-top-app-db, fw-top-src-db, fw-top-app-src-db, fw-top-category-db, db-erro, query, response, query-error, fw-top-thr-db, fw-top-thr-src-db

app-fw

Specification	
Type	*object*

dot-plot

Description: dot-plot is a **JSON Block**. Please see below for *app-fw_dot-plot*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/app-fw/dot-plot*

top-n

Description: top-n is a **JSON Block**. Please see below for *app-fw_top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/app-fw/top-n*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-fw_top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-fw_dot-plot

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.18 logging local-log global

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/logging/local-log/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/logging/local-log/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/global

global attributes

Get Object

GET

/axapi/v3/logging/local-log/global

global attributes

Modify Object

POST

/axapi/v3/logging/local-log/global

global attributes

Replace Object

PUT

/axapi/v3/logging/local-log/global

global attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/global

global attributes

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'enqueue': Total local-log enqueue; 'enqueue-full': Total local-log queue full; 'enqueue-error': Total local-log enqueue error; 'dequeue': Total local-log dequeue; 'dequeue-error': Total local-log dequeue processing error; 'raw-log': Total local-log raw logs; 'raw-log-error': Total raw log logging error; 'log-summarized': Total raw log summarized; 'l1-log-summarized': Total layer 1 log summarized; 'l2-log-summarized': Total layer 2 log summarized; 'log-summarized-error': Total local-log summarization error; 'aam-db': Total local-log AAM raw database; 'ep-db': Total local-log EP raw database; 'fi-db': Total local-log File-Inspection raw database; 'fw-db': Total local-log Firewall raw database; 'aam-top-user-db': Total local-log AAM top user summary database; 'ep-top-user-db': Total local-log EP top user summary database; 'ep-top-src-db': Total local-log EP top client summary database; 'ep-top-dst-db': Total local-log EP top destination summary database; 'ep-top-domain-db': Total local-log EP top domain summary database; 'ep-top-web-category-db': Total local-log EP top web-category summary database; 'ep-top-host-db': Total local-log EP top host summary database; 'fi-top-src-db': Total local-log File-Inspection top source summary database; 'fi-top-dst-db': Total local-log File-Inspection top destination summary database; 'fi-top-filename-db': Total local-log File-Inspection top file name summary database; 'fi-top-file-ext-db': Total local-log File-Inspection top file extension summary database; 'fi-top-url-db': Total local-log File-Inspection top URL summary database; 'fw-top-app-db': Total local-log Friewall top application summary database; 'fw-top-src-db': Total local-log Friewall top source summary database; 'fw-top-app-src-db': Total local-log Friewall top application and source summary database; 'fw-top-category-db': Total local-log Friewall top category summary database; 'db-erro': Total local-log database create error; 'query': Total local-log axapi query; 'response': Total local-log axapi response; 'query-error': Total local-log axapi query error;

Type: string

Supported Values: all, enqueue, enqueue-full, enqueue-error, dequeue, dequeue-error, raw-log, raw-log-error, log-summarized, l1-log-summarized, l2-log-summarized, log-summarized-error, aam-db, ep-db, fw-db, aam-top-user-db, ep-top-user-db, ep-top-src-db, ep-top-dst-db, ep-top-domain-db, ep-top-web-category-db, ep-top-host-db, fw-top-app-db, fw-top-src-db, fw-top-app-src-db, fw-top-category-db, db-erro, query, response, query-error, fw-top-thr-db, fw-top-thr-src-db

stats data

	Counter	Size	Description
	l1-log-summarized	8	Total layer 1 log summarized
	dequeue-error	8	Total local-log dequeue processing error
	dequeue	8	Total local-log dequeue
	fw-top-app-db	8	Total local-log Friewall top application summary database
	log-summarized-error	8	Total local-log summarization error
	query	8	Total local-log axapi query
	raw-log-error	8	Total raw log logging error
	fw-top-app-src-db	8	Total local-log Friewall top application and source summary database
	enqueue-full	8	Total local-log queue full
	ep-top-web-category-db	8	Total local-log EP top web-category summary database
	fw-top-src-db	8	Total local-log Friewall top source summary database
	fw-top-thr-src-db	8	Total local-log Firewall top threat and source summary database
	fw-top-thr-db	8	Total local-log Firewall top threat summary database
	ep-db	8	Total local-log EP raw database
	enqueue-error	8	Total local-log enqueue error
	aam-db	8	Total local-log AAM raw database
	log-summarized	8	Total raw log summarized
	ep-top-dst-db	8	Total local-log EP top destination summary database
	aam-top-user-db	8	Total local-log AAM top user summary database
	enqueue	8	Total local-log enqueue
	db-erro	8	Total local-log database create error
	ep-top-host-db	8	Total local-log EP top host summary database
	response	8	Total local-log axapi response
	fw-db	8	Total local-log Firewall raw database
	fw-top-category-db	8	Total local-log Friewall top category summary database
	raw-log	8	Total local-log raw logs
	ep-top-domain-db	8	Total local-log EP top domain summary database
	l2-log-summarized	8	Total layer 2 log summarized
	ep-top-src-db	8	Total local-log EP top client summary database
	ep-top-user-db	8	Total local-log EP top user summary database

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Table 2.23 – continued from previous page

	Counter	Size	Description
	query-error	8	Total local-log axapi query error

2.57.19 logging lsn

Set LSN logging parameters

lsn Specification

Type	*Intermediate Resource*
Element Name	lsn
Element URI	/axapi/v3/logging/lsn
Element Attributes	lsn_attributes
Schema	`lsn schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging/lsn

lsn_attributes

lsn attributes

log-suppression

Description: log-suppression is a **JSON Block**. Please see below for *log-suppression*

Type: Object

Refernce Object: */axapi/v3/logging/lsn/log-suppression*

quota-exceeded

Description: quota-exceeded is a **JSON Block**. Please see below for *quota-exceeded*

Type: Object

Refernce Object: */axapi/v3/logging/lsn/quota-exceeded*

quota-exceeded

Specification	
Type	*object*

custom1

Description Customized attribute No.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom2

Description Customized attribute No.2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom3

Description Customized attribute No.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom4

Description Customized attribute No.4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom5

Description Customized attribute No.5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom6

Description Customized attribute No.6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-pool-based

Description Disable log LSN user quota exceeded based on LSN pool(Default: enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imei

Description International Mobile Equipment Identity (IMEI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imsi

Description International Mobile Subscriber Identity (IMSI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-based

Description Log LSN user quota exceeded based on private IP(Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn

Description Mobile Subscriber Integrated Services Digital Netwrok-Number (MSISDN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

with-radius-attribute

Description Log with radius attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-suppression

Specification	
Type	*object*

count

Description Configure log suppression count (default: 100)

Type: number

Range: 50-500

Default: 100

time

Description Log generation timeout(default: 30 seconds)

Type: number

Range: 1-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.20 logging lsn log-suppression

Set LSN system log generation parameters

log-suppression Specification

Type	*Configuration Resource*
Element Name	log-suppression
Element URI	/axapi/v3/logging/lsn/log-suppression
Element Attributes	log-suppression_attributes
Schema	`log-suppression schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

Get Object

GET

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

Modify Object

POST

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

Replace Object

PUT

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

Delete Object

DELETE

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

log-suppression attributes

count

Description Configure log suppression count (default: 100)

Type: number

Range: 50-500

Default: 100

time

Description Log generation timeout(default: 30 seconds)

Type: number

Range: 1-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.21 logging lsn quota-exceeded

Set LSN quota exceeded log parameters

quota-exceeded Specification

Type	*Configuration Resource*
Element Name	quota-exceeded
Element URI	/axapi/v3/logging/lsn/quota-exceeded
Element Attributes	quota-exceeded_attributes
Schema	`quota-exceeded schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

Get Object

GET

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

Modify Object

POST

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

Replace Object

PUT

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

Delete Object

DELETE

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

quota-exceeded attributes

custom1

Description Customized attribute No.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom2

Description Customized attribute No.2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom3

Description Customized attribute No.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom4

Description Customized attribute No.4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom5

Description Customized attribute No.5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom6

Description Customized attribute No.6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-pool-based

Description Disable log LSN user quota exceeded based on LSN pool(Default: enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imei

Description International Mobile Equipment Identity (IMEI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imsi

Description International Mobile Subscriber Identity (IMSI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-based

Description Log LSN user quota exceeded based on private IP(Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn

Description Mobile Subscriber Integrated Services Digital Netwrok-Number (MSISDN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

with-radius-attribute

Description Log with radius attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.57.22 logging monitor

Set terminal monitor logging level

monitor Specification

Type	*Configuration Resource*
Element Name	monitor
Element URI	/axapi/v3/logging/monitor
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/monitor

monitor attributes

```
POST /axapi/v3/logging/monitor
Payload:
{
    "monitor": {
        "monitor-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/monitor

monitor attributes

```
GET /axapi/v3/logging/monitor
Reponse:
{
    "monitor": {
        "monitor-levelname": "disable",
        "uuid": "e2ce2cde-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/logging/monitor"
    }
}
```

Modify Object

POST

/axapi/v3/logging/monitor

monitor attributes

Replace Object

PUT

/axapi/v3/logging/monitor

monitor attributes

Delete Object

DELETE

/axapi/v3/logging/monitor

monitor attributes

```
DELETE /axapi/v3/logging/monitor
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

monitor attributes

monitor-levelname

Description 'disable': Do not send log to monitor; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.23 logging single-priority

Set single-priority logging

single-priority Specification

Type	*Collection*
Object Key(s)	*levelname*
Collection Name	*single-priority-list*
Collection URI	/axapi/v3/logging/single-priority
Element Name	single-priority
Element URI	/axapi/v3/logging/single-priority/{levelname}
Element Attributes	single-priority_attributes
Schema	`single-priority schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/single-priority

single-priority attributes

```
POST /axapi/v3/logging/single-priority/
Payload:
{
    "single-priority": {
        "levelname": "emergency"
    }
}
```

Create List

POST

/axapi/v3/logging/single-priority

single-priority attributes

Get Object

GET

/axapi/v3/logging/single-priority/{levelname}

single-priority attributes

```
GET /axapi/v3/logging/single-priority/emergency
Reponse:
{
    "single-priority": {
        "levelname": "emergency",
        "uuid": "ba9c847a-60c8-11d9-9bdf-001fa00680a0",
```

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```
        "a10-url": "/axapi/v3/logging/single-priority/emergency"
    }
}
```

Get List

GET

/axapi/v3/logging/single-priority

single-priority-list

Modify Object

POST

/axapi/v3/logging/single-priority/{levelname}

single-priority attributes

Replace Object

PUT

/axapi/v3/logging/single-priority/{levelname}

single-priority attributes

```
PUT /axapi/v3/logging/single-priority/emergency
Payload:
{
    "single-priority": {
        "levelname": "emergency"
    }
}
```

Replace List

PUT

/axapi/v3/logging/single-priority

single-priority-list

Delete Object

DELETE

/axapi/v3/logging/single-priority/{levelname}

single-priority attributes

```
DELETE /axapi/v3/logging/single-priority/emergency
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

single-priority-list

single-priority-list is **JSON List** of *single-priority attributes*

single-priority-list : [

{ *single-priority attributes* },

{ *single-priority attributes* },

...

]

single-priority attributes

levelname

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.24 logging syslog

Set logging level which sent to syslog host

syslog Specification

Type	*Configuration Resource*
Element Name	syslog
Element URI	/axapi/v3/logging/syslog
Element Attributes	syslog_attributes
Schema	`syslog schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/syslog

syslog attributes

```
POST /axapi/v3/logging/syslog
Payload:
{
    "syslog": {
        "syslog-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/syslog

syslog attributes

```
GET /axapi/v3/logging/syslog
Reponse:
{
    "syslog": {
        "syslog-levelname": "disable",
        "uuid": "e2ce2d74-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/logging/syslog"
    }
}
```

Modify Object

POST

/axapi/v3/logging/syslog

syslog attributes

Replace Object

PUT

/axapi/v3/logging/syslog

syslog attributes

Delete Object

DELETE

/axapi/v3/logging/syslog

syslog attributes

```
DELETE /axapi/v3/logging/syslog
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

syslog attributes

syslog-levelname

Description 'disable': Do not send log to syslog; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.25 logging trap

Set logging level which sent to snmp trap host

trap Specification

Type	*Configuration Resource*
Element Name	trap
Element URI	/axapi/v3/logging/trap
Element Attributes	trap_attributes
Schema	`trap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/trap

trap attributes

```
POST /axapi/v3/logging/trap
Payload:
{
    "trap": {
        "trap-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/trap

trap attributes

```
GET /axapi/v3/logging/trap
Reponse:
{
    "trap": {
        "trap-levelname": "disable",
        "uuid": "e2ce2e0a-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/logging/trap"
    }
}
```

Modify Object

POST

/axapi/v3/logging/trap

trap attributes

Replace Object

PUT

/axapi/v3/logging/trap

trap attributes

Delete Object

DELETE

/axapi/v3/logging/trap

trap attributes

```
DELETE /axapi/v3/logging/trap
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

trap attributes

trap-levelname

Description 'disable': Do not send trap to snmp host; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2);

Type: string

Supported Values: disable, emergency, alert, critical

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.58 maximum-paths

Objects:

2.58.1 maximum-paths

Set maximum number of route multipaths installed into FIB

maximum-paths Specification

Type	*Configuration Resource*
Element Name	maximum-paths
Element URI	/axapi/v3/maximum-paths
Element Attributes	maximum-paths_attributes
Schema	`maximum-paths schema`

Operations Allowed:

Create Object

POST

/axapi/v3/maximum-paths

maximum-paths attributes

```
POST /axapi/v3/maximum-paths
Payload:
{
    "maximum-paths": {
```

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```
        "path": 1
    }
}
```

Get Object

GET

/axapi/v3/maximum-paths

maximum-paths attributes

```
GET /axapi/v3/maximum-paths
Reponse:
{
    "maximum-paths": {
        "path": 1,
        "uuid": "7825fb96-60cb-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/maximum-paths"
    }
}
```

Modify Object

POST

/axapi/v3/maximum-paths

maximum-paths attributes

Replace Object

PUT

/axapi/v3/maximum-paths

maximum-paths attributes

```
PUT /axapi/v3/maximum-paths
Payload:
{
    "maximum-paths": {
        "path": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/maximum-paths

maximum-paths attributes

```
DELETE /axapi/v3/maximum-paths
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

maximum-paths attributes

path

Description supported multipath numbers

Type: number

Range: 1-64

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59 merge-mode-add

Objects:

2.59.1 merge-mode-add

Control block-merge mode behavior

merge-mode-add Specification

Type	*Intermediate Resource*
Element Name	merge-mode-add
Element URI	/axapi/v3/merge-mode-add
Element Attributes	merge-mode-add_attributes
Schema	`merge-mode-add schema`

Operations Allowed:

Get Object

GET

/axapi/v3/merge-mode-add

merge-mode-add_attributes

merge-mode-add attributes

slb

Description: slb is a **JSON Block**. Please see below for *slb*

Type: Object

Refernce Object: */axapi/v3/merge-mode-add/slb*

slb

Specification	
Type	*object*

member

Description Control block-merge behavior for slb service-group member

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Control block-merge behavior for slb server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-server-port

Description Control block-merge behavior for slb virtual-server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.59.2 merge-mode-add slb

Control block-merge mode behavior for slb objects

slb Specification

Type	*Configuration Resource*
Element Name	slb
Element URI	/axapi/v3/merge-mode-add/slb
Element Attributes	slb_attributes
Schema	`slb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/merge-mode-add/slb

slb attributes

```
POST /axapi/v3/merge-mode-add/slb
Payload:
{
    "slb": {
        "server-port": 1
    }
}
```

Get Object

GET

/axapi/v3/merge-mode-add/slb

slb attributes

```
GET /axapi/v3/merge-mode-add/slb
Reponse:
{
    "slb": {
        "server-port": 1,
        "member": 0,
        "virtual-server-port": 0,
        "uuid": "86b17a64-60cb-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/merge-mode-add/slb"
    }
}
```

Modify Object

POST

/axapi/v3/merge-mode-add/slb

slb attributes

Replace Object

PUT

/axapi/v3/merge-mode-add/slb

slb attributes

```
PUT /axapi/v3/merge-mode-add/slb
Payload:
{
    "slb": {
        "server-port": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/merge-mode-add/slb

slb attributes

```
DELETE /axapi/v3/merge-mode-add/slb
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

slb attributes

member

Description Control block-merge behavior for slb service-group member

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Control block-merge behavior for slb server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-server-port

Description Control block-merge behavior for slb virtual-server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.60 mirror-port

Objects:

2.60.1 mirror-port

Enable a port to act as Mirror Port

mirror-port Specification

Type	*Collection*
Object Key(s)	*mirror-index*
Collection Name	*mirror-port-list*
Collection URI	/axapi/v3/mirror-port
Element Name	mirror-port
Element URI	/axapi/v3/mirror-port/{mirror-index}
Element Attributes	mirror-port_attributes
Schema	`mirror-port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/mirror-port

mirror-port attributes

```
POST /axapi/v3/mirror-port/
Payload:
{
    "mirror-port": {
        "ethernet": 1,
        "mirror-index": 1
    }
}
```

Create List

POST

/axapi/v3/mirror-port

mirror-port attributes

Get Object

GET

/axapi/v3/mirror-port/{mirror-index}

mirror-port attributes

```
GET /axapi/v3/mirror-port/1
Reponse:
{
    "mirror-port": {
        "mirror-index": 1,
        "ethernet": 1,
        "mirror-dir": "both",
        "uuid": "b3b6d0ac-5bf0-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/mirror-port/1"
    }
}
```

Get List

GET

/axapi/v3/mirror-port

mirror-port-list

Modify Object

POST

/axapi/v3/mirror-port/{mirror-index}

mirror-port attributes

Replace Object

PUT

/axapi/v3/mirror-port/{mirror-index}

mirror-port attributes

```
PUT /axapi/v3/mirror-port/1
Payload:
{
    "mirror-port": {
        "ethernet": 1,
        "mirror-index": 1
    }
}
```

Replace List

PUT

/axapi/v3/mirror-port

mirror-port-list

Delete Object

DELETE

/axapi/v3/mirror-port/{mirror-index}

mirror-port attributes

```
DELETE /axapi/v3/mirror-port/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

mirror-port-list

mirror-port-list is **JSON List** of *mirror-port attributes*

mirror-port-list : [

{ *mirror-port attributes* },

{ *mirror-port attributes* },

...

]

mirror-port attributes

ethernet

Description Ethernet port as mirror port (Port Value)

Type: number

Format: interface

mirror-dir

Description 'input': Mirror incoming packets to this port; 'output': Mirror outgoing packets to this port; 'both': Mirror both incoming and outgoing packets to this port;

Type: string

Supported Values: input, output, both

Default: both

mirror-index

Description Mirror index

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.61 misc

Objects:

2.61.1 misc

Delete Configuration file

misc Specification

Type	*Intermediate Resource*
Element Name	misc
Element URI	/axapi/v3/misc
Element Attributes	misc_attributes
Schema	`misc schema`

Operations Allowed:

Get Object

GET

/axapi/v3/misc

misc_attributes

misc attributes

2.61.2 misc top-level-lineage

Delete Configuration file

top-level-lineage Specification

Type	*Intermediate Resource*
Element Name	top-level-lineage
Element URI	/axapi/v3/misc/top-level-lineage
Element Attributes	top-level-lineage_attributes
Schema	`top-level-lineage schema`

Operations Allowed:

Get Object

GET

/axapi/v3/misc/top-level-lineage

top-level-lineage_attributes

top-level-lineage attributes

2.62 monitor

Objects:

2.62.1 monitor

System monitor configuration

monitor Specification

Type	*Configuration Resource*
Element Name	monitor
Element URI	/axapi/v3/monitor
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/monitor

monitor attributes

```
POST /axapi/v3/monitor
Payload:
{
```

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```
    "monitor": {
        "disk": 1
    }
}
```

Get Object

GET

/axapi/v3/monitor

monitor attributes

```
GET /axapi/v3/monitor
Reponse:
{
    "monitor": {
        "disk": 1,
        "memory": 95,
        "ctrl-cpu": 90,
        "data-cpu": 90,
        "buffer-drop": 4000,
        "warn-temp": 68,
        "conn-type0": 32767,
        "conn-type1": 32767,
        "conn-type2": 32767,
        "conn-type3": 32767,
        "conn-type4": 32767,
        "smp-type0": 32767,
        "smp-type1": 32767,
        "smp-type2": 32767,
        "smp-type3": 32767,
        "smp-type4": 32767,
        "uuid": "e2caf226-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/monitor"
    }
}
```

Modify Object

POST

/axapi/v3/monitor

monitor attributes

Replace Object

PUT

/axapi/v3/monitor

monitor attributes

```
PUT /axapi/v3/monitor
Payload:
{
    "monitor": {
```

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```
        "disk": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/monitor

monitor attributes

```
DELETE /axapi/v3/monitor
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

monitor attributes

buffer-drop

Description Monitor buffer drop threshold (Threshold value)

Type: number

Range: 1-32767

Default: 4000

buffer-usage

Description Monitor IO buffer usage threshold (Threshold value)

Type: number

Range: 60000-4000000

conn-type0

Description Conn resource type 0 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

conn-type1

Description Conn resource type 1 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

conn-type2

Description Conn resource type 2 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

conn-type3

Description Conn resource type 3 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

conn-type4

Description Conn resource type 4 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

ctrl-btdump

Description Generate ctrl-cpu-btdump on threshold exceeeds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ctrl-cpu

Description Monitor control CPU threshold (Threshold value in percentage, default 90)

Type: number

Range: 1-100

Default: 90

data-btdump

Description Generate data-cpu-btdump on threshold exceeeds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu

Description Monitor data CPU threshold (Threshold value in percentage, default 90)

Type: number

Range: 1-100

Default: 90

disk

Description Monitor hard disk usage threshold (Threshold value in percentage, default 85)

Type: number

Range: 1-100

Default: 85

memory

Description Monitor memory usage threshold (Threshold value in percentage, default 95)

Type: number

Range: 1-100

Default: 95

smp-type0

Description SMP resource type 0 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

smp-type1

Description SMP resource type 1 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

smp-type2

Description SMP resource type 2 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

smp-type3

Description SMP resource type 3 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

smp-type4

Description SMP resource type 4 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

warn-temp

Description Monitor warning system temperature threshold (Threshold value in Celsius, default 68)

Type: number

2.63 multi-config

Objects:

2.63.1 multi-config

Set multi-config enable/disable

multi-config Specification

Type	*Configuration Resource*
Element Name	multi-config
Element URI	/axapi/v3/multi-config
Element Attributes	multi-config_attributes
Schema	`multi-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/multi-config

multi-config attributes

```
POST /axapi/v3/multi-config
Payload:
{
    "multi-config": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/multi-config

multi-config attributes

```
GET /axapi/v3/multi-config
Reponse:
{
    "multi-config": {
        "enable": 1,
        "uuid": "1248ecd6-5bf1-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/multi-config"
    }
}
```

Modify Object

POST

/axapi/v3/multi-config

multi-config attributes

Replace Object

PUT

/axapi/v3/multi-config

multi-config attributes

```
PUT /axapi/v3/multi-config
Payload:
{
    "multi-config": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/multi-config

multi-config attributes

multi-config attributes

enable

Description Enable multiple configuration mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64 net-mgmt

Objects:

2.64.1 net-mgmt

Network Management

net-mgmt Specification

Type	*Configuration Resource*
Element Name	net-mgmt
Element URI	/axapi/v3/net-mgmt
Element Attributes	net-mgmt_attributes
Schema	`net-mgmt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/net-mgmt

net-mgmt attributes

Get Object

GET

/axapi/v3/net-mgmt

net-mgmt attributes

Modify Object

POST

/axapi/v3/net-mgmt

net-mgmt attributes

Replace Object

PUT

/axapi/v3/net-mgmt

net-mgmt attributes

Delete Object

DELETE

/axapi/v3/net-mgmt

net-mgmt attributes

net-mgmt attributes

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Refernce Object: */axapi/v3/net-mgmt/snmp*

snmp

Specification	
Type	*object*

engineID

Description: engineID is a **JSON Block**. Please see below for *snmp_engineID*

Type: Object

Refernce Object: */axapi/v3/net-mgmt/snmp/engineID*

stats

Description: stats is a **JSON Block**. Please see below for *snmp_stats*

Type: Object

Refernce Object: /axapi/v3/net-mgmt/snmp/stats

snmp_stats

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp_engineID

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.2 net-mgmt snmp

SNMP data

snmp Specification

Type	*Intermediate Resource*
Element Name	snmp
Element URI	/axapi/v3/net-mgmt/snmp
Element Attributes	snmp_attributes
Statistics Data URI	/axapi/v3/net-mgmt/snmp/stats
Schema	`snmp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/net-mgmt/snmp

snmp_attributes

snmp attributes

engineID

Description: engineID is a **JSON Block**. Please see below for *engineID*

Type: Object

Refernce Object: */axapi/v3/net-mgmt/snmp/engineID*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

Refernce Object: /axapi/v3/net-mgmt/snmp/stats

stats

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

engineID

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.3 net-mgmt snmp engineID

SNMP engineID

engineID Specification

Type	*Configuration Resource*
Element Name	engineID
Element URI	/axapi/v3/net-mgmt/snmp/engineID
Element Attributes	engineID_attributes
Operational Data URI	/axapi/v3/net-mgmt/snmp/engineID/oper
Schema	`engineID schema`

Operations Allowed:

Create Object

POST

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

Get Object

GET

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

Modify Object

POST

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

Replace Object

PUT

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

Delete Object

DELETE

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

engineID attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	engineid	string	engineid

2.65 netflow

Objects:

2.65.1 netflow

Configure NetFlow/IPFIX

netflow Specification

Type	*Intermediate Resource*
Element Name	netflow
Element URI	/axapi/v3/netflow
Element Attributes	netflow_attributes
Schema	`netflow schema`

Operations Allowed:

Get Object

GET

/axapi/v3/netflow

netflow_attributes

netflow attributes

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Refernce Object: */axapi/v3/netflow/common*

monitor-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}*

template-list

Type: List

Refernce Object: */axapi/v3/netflow/template/{name}*

monitor-list

Specification	
Type	*list*
Block object keys	

custom-record

Description: custom-record is a **JSON Block**. Please see below for *monitor-list_custom-record*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/custom-record*

destination

Description: destination is a **JSON Block**. Please see below for *monitor-list_destination*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/destination*

disable

Description Disable this netflow monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *monitor-list_disable-log-by-destination*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination*

flow-timeout

Description Configure timeout value to export flow records periodically for long-live session (Number of minutes: default is 10, 0 means only send flow record when session is deleted)

Type: number

Range: 0-1440

Default: 10

name

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

protocol

Description 'v9': Netflow version 9; 'v10': Netflow version 10 (IPFIX);

Type: string

Supported Values: v9, v10

Default: v9

record

Description: record is a **JSON Block**. Please see below for *monitor-list_record*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/record*

resend-template

Description: resend-template is a **JSON Block**. Please see below for *monitor-list_resend-template*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/resend-template*

sample

Description: sample is a **JSON Block**. Please see below for *monitor-list_sample*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample*

sampling-enable

Type: List

source-address

Description: source-address is a **JSON Block**. Please see below for *monitor-list_source-address*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/source-address*

source-ip-use-mgmt

Description Use management interface's IP address for source ip of netflow packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_custom-record

Specification	
Type	*object*

custom-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_custom-record_custom-cfg

Specification	
Type	*list*
Block object keys	

event

Description 'sesn-event-nat44-creation': Export NAT44 session creation events; 'sesn-event-nat44-deletion': Export NAT44 session deletion events; 'sesn-event-nat64-creation': Export NAT64 session creation events; 'sesn-event-nat64-deletion': Export NAT64 session deletion events; 'sesn-event-dslite-creation': Export Dslite session creation events; 'sesn-event-dslite-deletion': Export Dslite session deletion events; 'sesn-event-fw4-creation': Export FW4 session creation events; 'sesn-event-fw4-deletion': Export FW4 session deletion events; 'sesn-event-fw6-creation': Export FW6 session creation events; 'sesn-event-fw6-deletion': Export FW6 session deletion events; 'deny-reset-event-fw4': Export FW4 Deny Reset events; 'deny-reset-event-fw6': Export FW6 Deny Reset events; 'port-mapping-nat44-creation': Export NAT44 Port Mapping Creation Event; 'port-mapping-nat44-deletion': Export NAT44 Port Mapping Deletion Event; 'port-mapping-nat64-creation': Export NAT64 Port Mapping Creation Event; 'port-mapping-nat64-deletion': Export NAT64 Port Mapping Deletion Event; 'port-mapping-dslite-creation': Export Dslite Port Mapping Creation Event; 'port-mapping-dslite-deletion': Export Dslite Port Mapping Deletion Event; 'port-batch-nat44-creation': Export NAT44 Port Batch Creation Event; 'port-batch-nat44-deletion': Export NAT44 Port Batch Deletion Event; 'port-batch-nat64-creation': Export NAT64 Port Batch Creation Event; 'port-batch-nat64-deletion': Export NAT64 Port Batch Deletion Event; 'port-batch-dslite-creation': Export Dslite Port Batch Creation Event; 'port-batch-dslite-deletion': Export Dslite Port Batch Deletion Event; 'port-batch-v2-nat44-creation': Export NAT44 Port Batch v2 Creation Event; 'port-batch-v2-nat44-deletion': Export NAT44 Port Batch v2 Deletion Event; 'port-batch-v2-nat64-creation': Export NAT64 Port Batch v2 Creation Event; 'port-batch-v2-nat64-deletion': Export NAT64 Port Batch v2 Deletion Event; 'port-batch-v2-dslite-creation': Export Dslite Port Batch v2 Creation Event; 'port-batch-v2-dslite-deletion': Export Dslite Port Batch v2 Deletion Event;

Type: string

Supported Values: sesn-event-nat44-creation, sesn-event-nat44-deletion, sesn-event-nat64-creation, sesn-event-nat64-deletion, sesn-event-dslite-creation, sesn-event-dslite-deletion, sesn-event-fw4-creation, sesn-event-fw4-deletion, sesn-event-fw6-creation, sesn-event-fw6-deletion, deny-reset-event-fw4, deny-reset-event-fw6, port-mapping-nat44-creation, port-mapping-nat44-deletion, port-mapping-nat64-creation, port-mapping-nat64-deletion, port-mapping-dslite-creation, port-mapping-dslite-deletion, port-batch-nat44-creation, port-batch-nat44-deletion, port-batch-nat64-creation, port-batch-nat64-deletion, port-batch-dslite-creation, port-batch-dslite-deletion, port-batch-v2-nat44-creation, port-batch-v2-nat44-deletion, port-batch-v2-nat64-creation, port-batch-v2-nat64-deletion, port-batch-v2-dslite-creation, port-batch-v2-dslite-deletion, gtp-c-tunnel-event, gtp-u-tunnel-event, gtp-deny-event, gtp-info-event, fw-ddos-entry-creation, fw-ddos-entry-deletion, fw-session-limit-exceeded, cgn-ddos-l3-entry-creation, cgn-ddos-l3-entry-deletion, cgn-ddos-l4-entry-creation, cgn-ddos-l4-entry-deletion, gtp-rate-limit-periodic

ipfix-template

Description Custom IPFIX Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/netflow/template*

monitor-list_sample

Specification	
Type	*object*

ethernet-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}*

nat-pool-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}*

ve-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}*

monitor-list_sample_ve-list

Specification	
Type	*list*
Block object keys	

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description VE interface number

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/interface/ve*

monitor-list_sample_nat-pool-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Name of nat pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_sample_ethernet-list

Specification	
Type	*list*
Block object keys	

ifindex

Description Ethernet interface number

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_source-address

Specification	
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_destination

Specification	
Type	*object*

ip-cfg

Description: ip-cfg is a **JSON Block**. Please see below for *monitor-list_destination_ip-cfg*

Type: Object

ipv6-cfg

Description: ipv6-cfg is a **JSON Block**. Please see below for *monitor-list_destination_ipv6-cfg*

Type: Object

service-group

Description Service-group for load balancing between multiple collector servers

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group ip and ipv6 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_destination_ip-cfg

Specification	
Type	*object*

ip

Description IP address of netflow collector

Type: string

Format: ipv4-address

Mutual Exclusion: ip service-group and ipv6 are mutually exclusive

port4

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

monitor-list_destination_ipv6-cfg

Specification	
Type	*object*

ipv6

Description IPv6 address of netflow collector

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 service-group and ip are mutually exclusive

port6

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

monitor-list_disable-log-by-destination

Specification	
Type	*object*

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_disable-log-by-destination_ip-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_disable-log-by-destination_ip-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_ip-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_ip6-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_disable-log-by-destination_ip6-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_ip6-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_record

Specification	
Type	*object*

dslite

Description DS-Lite Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat44

Description NAT44 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat64

Description NAT64 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5

Description NetFlow V5 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5-ext

Description Extended NetFlow V5 Flow Record Template, supports ipv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-batch-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw4

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw6

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-sent': packets-sent; 'bytes-sent': bytes-sent; 'nat44-records-sent': nat44-records-sent; 'nat44-records-sent-failure': nat44-records-sent-failure; 'nat64-records-sent': nat64-records-sent; 'nat64-records-sent-failure': nat64-records-sent-failure; 'dslite-records-sent': dslite-records-sent; 'dslite-records-sent-failure': dslite-records-sent-failure; 'session-event-nat44-records-sent': session-event-nat44-records-sent; 'session-event-nat44-records-sent-failure': session-event-nat44-records-sent-failure; 'session-event-nat64-records-sent': session-event-nat64-records-sent; 'session-event-nat64-records-sent-failure': session-event-nat64-records-sent-failure; 'session-event-dslite-records-sent': session-event-dslite-records-sent; 'session-event-dslite-records-sent-failure': session-event-dslite-records-sent-failure; 'port-mapping-nat44-records-sent': port-mapping-nat44-records-sent; 'port-mapping-nat44-records-sent-failure': port-mapping-nat44-records-sent-failure; 'port-mapping-nat64-records-sent': port-mapping-nat64-records-sent; 'port-mapping-nat64-records-sent-failure': port-mapping-nat64-records-sent-failure; 'port-mapping-dslite-records-sent': port-mapping-dslite-records-sent; 'port-mapping-dslite-records-sent-failure': port-mapping-dslite-records-sent-failure; 'netflow-v5-records-sent': netflow-v5-records-sent; 'netflow-v5-records-sent-failure': netflow-v5-records-sent-failure; 'netflow-v5-ext-records-sent': netflow-v5-ext-records-sent; 'netflow-v5-ext-records-sent-failure': netflow-v5-ext-records-sent-failure;

Type: string

Supported Values: all, packets-sent, bytes-sent, nat44-records-sent, nat44-records-sent-failure, nat64-records-sent, nat64-records-sent-failure, dslite-records-sent, dslite-records-sent-failure, session-event-nat44-records-sent, session-event-nat44-records-sent-failure, session-event-nat64-records-sent, session-event-nat64-records-sent-failure, session-event-dslite-records-sent, session-event-dslite-records-sent-failure, session-event-fw4-records-sent, session-event-fw4-records-sent-failure, session-event-fw6-records-sent, session-event-fw6-records-sent-failure, port-mapping-nat44-records-sent, port-mapping-nat44-records-sent-failure, port-mapping-nat64-records-sent, port-mapping-nat64-records-sent-failure, port-mapping-dslite-records-sent, port-mapping-dslite-records-sent-failure, netflow-v5-records-sent, netflow-v5-records-sent-failure, netflow-v5-ext-records-sent, netflow-v5-ext-records-sent-failure, port-batching-nat44-records-sent, port-batching-nat44-records-sent-failure, port-batching-nat64-records-sent, port-batching-nat64-records-sent-failure, port-batching-dslite-records-sent, port-batching-dslite-records-sent-failure, port-batching-v2-nat44-records-sent, port-batching-v2-nat44-records-sent-failure, port-batching-v2-nat64-records-sent, port-batching-v2-nat64-records-sent-failure, port-batching-v2-dslite-records-sent, port-batching-v2-dslite-records-sent-failure, custom-session-event-nat44-creation-records-sent,

custom-session-event-nat44-creation-records-sent-failure, custom-session-event-nat64-creation-records-sent, custom-session-event-nat64-creation-records-sent-failure, custom-session-event-dslite-creation-records-sent, custom-session-event-dslite-creation-records-sent-failure, custom-session-event-nat44-deletion-records-sent, custom-session-event-nat44-deletion-records-sent-failure, custom-session-event-nat64-deletion-records-sent, custom-session-event-nat64-deletion-records-sent-failure, custom-session-event-dslite-deletion-records-sent, custom-session-event-dslite-deletion-records-sent-failure, custom-session-event-fw4-creation-records-sent, custom-session-event-fw4-creation-records-sent-failure, custom-session-event-fw6-creation-records-sent, custom-session-event-fw6-creation-records-sent-failure, custom-session-event-fw4-deletion-records-sent, custom-session-event-fw4-deletion-records-sent-failure, custom-session-event-fw6-deletion-records-sent, custom-session-event-fw6-deletion-records-sent-failure, custom-deny-reset-event-fw4-records-sent, custom-deny-reset-event-fw4-records-sent-failure, custom-deny-reset-event-fw6-records-sent, custom-deny-reset-event-fw6-records-sent-failure, custom-port-mapping-nat44-creation-records-sent, custom-port-mapping-nat44-creation-records-sent-failure, custom-port-mapping-nat64-creation-records-sent, custom-port-mapping-nat64-creation-records-sent-failure, custom-port-mapping-dslite-creation-records-sent, custom-port-mapping-dslite-creation-records-sent-failure, custom-port-mapping-nat44-deletion-records-sent, custom-port-mapping-nat44-deletion-records-sent-failure, custom-port-mapping-nat64-deletion-records-sent, custom-port-mapping-nat64-deletion-records-sent-failure, custom-port-mapping-dslite-deletion-records-sent, custom-port-mapping-dslite-deletion-records-sent-failure, custom-port-batching-nat44-creation-records-sent, custom-port-batching-nat44-creation-records-sent-failure, custom-port-batching-nat64-creation-records-sent, custom-port-batching-nat64-creation-records-sent-failure, custom-port-batching-dslite-creation-records-sent, custom-port-batching-dslite-creation-records-sent-failure, custom-port-batching-nat44-deletion-records-sent, custom-port-batching-nat44-deletion-records-sent-failure, custom-port-batching-nat64-deletion-records-sent, custom-port-batching-nat64-deletion-records-sent-failure, custom-port-batching-dslite-deletion-records-sent, custom-port-batching-dslite-deletion-records-sent-failure, custom-port-batching-v2-nat44-creation-records-sent

counters2

Description 'custom-port-batching-v2-nat44-creation-records-sent-failure': Custom Nat44 Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-nat64-creation-records-sent': Custom Nat64 Port Batch V2 Creation Records Sent; 'custom-port-batching-v2-nat64-creation-records-sent-failure': Custom Nat64 Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-dslite-creation-records-sent': Custom Dslite Port Batch V2 Creation Records Sent; 'custom-port-batching-v2-dslite-creation-records-sent-failure': Custom Dslite Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-nat44-deletion-records-sent': Custom Nat44 Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-nat44-deletion-records-sent-failure': Custom Nat44 Port Batch V2 Deletion Records Failed; 'custom-port-batching-v2-nat64-deletion-records-sent': Custom Nat64 Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-nat64-deletion-records-sent-failure': Custom Nat64 Port Batch V2 Deletion Records Failed; 'custom-port-batching-v2-dslite-deletion-records-sent': Custom Dslite Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-dslite-deletion-records-sent-failure': Custom Dslite Port Batch V2 Deletion Records Failed; 'reduced-logs-by-destination': Reduced Logs by Destination Protocol and Port;

Type: string

Supported Values: custom-port-batching-v2-nat44-creation-records-sent-failure, custom-port-batching-v2-nat64-creation-records-sent, custom-port-batching-v2-nat64-creation-records-sent-failure, custom-port-batching-v2-dslite-creation-records-sent, custom-port-batching-v2-dslite-creation-records-sent-failure, custom-port-batching-v2-nat44-deletion-records-sent, custom-port-batching-v2-nat44-deletion-records-sent-failure, custom-port-batching-v2-nat64-deletion-records-sent, custom-port-batching-v2-nat64-deletion-records-

sent-failure, custom-port-batching-v2-dslite-deletion-records-sent, custom-port-batching-v2-dslite-deletion-records-sent-failure, reduced-logs-by-destination, custom-gtp-c-tunnel-event-records-sent, custom-gtp-c-tunnel-event-records-sent-failure, custom-gtp-u-tunnel-event-records-sent, custom-gtp-u-tunnel-event-records-sent-failure, custom-gtp-deny-event-records-sent, custom-gtp-deny-event-records-sent-failure, custom-gtp-info-event-records-sent, custom-gtp-info-event-records-sent-failure, custom-fw-iddos-entry-created-records-sent, custom-fw-iddos-entry-created-records-sent-failure, custom-fw-iddos-entry-deleted-records-sent, custom-fw-iddos-entry-deleted-records-sent-failure, custom-fw-sesn-limit-exceeded-records-sent, custom-fw-sesn-limit-exceeded-records-sent-failure, custom-nat-iddos-l3-entry-created-records-sent, custom-nat-iddos-l3-entry-created-records-sent-failure, custom-nat-iddos-l3-entry-deleted-records-sent, custom-nat-iddos-l3-entry-deleted-records-sent-failure, custom-nat-iddos-l4-entry-created-records-sent, custom-nat-iddos-l4-entry-created-records-sent-failure, custom-nat-iddos-l4-entry-deleted-records-sent, custom-nat-iddos-l4-entry-deleted-records-sent-failure, custom-gtp-rate-limit-periodic-records-sent, custom-gtp-rate-limit-periodic-records-sent-failure

monitor-list_resend-template

Specification	
Type	*object*

records

Description To resend template once for each number of records (Number of records: default is 1000, 0 means never resend template)

Type: number

Range: 0-1000000

Default: 1000

timeout

Description To set time interval to resend template (number of seconds: default is 1800, 0 means never resend template)

Type: number

Range: 0-86400

Default: 1800

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common

Specification	
Type	*object*

max-packet-queue-time

Description Configure netflow packet queue time (Max packet queue time(*20ms). Default:50(*20ms = 1s)))

Type: number

Range: 0-50

Default: 50

nat44_tpl_1001

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-time-on-flow-record

Description Reset session start time to current time on each flow timeout export for long-lasting session (default: disabled).

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	
Type	*list*
Block object keys	

information-element-blk

Type: List

ipfix-template-id

Description Custom IPFIX Template ID

Type: number

Range: 2001-3000

name

Description IPFIX CUSTOM Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_information-element-blk

Specification	
Type	*list*
Block object keys	

information-element

Description 'fwd-tuple-vnp-id': Session forward tuple partition id (ID: 33028); 'rev-tuple-vnp-id': Session reverse tuple partition id (ID: 33029); 'source-ipv4-address': IPv4 source address in the IP packet header (ID: 8); 'source-ipv4-prefix-len': Prefix length for IPv4 source address(ID: 9); 'dest-ipv4-address': IPv4 destination address in the IP packet header (ID: 12); 'dest-ipv4-prefix-len': Prefix length for IPv4 dest address(ID: 13); 'source-ipv6-address': IPv6 source address in the IP packet header (ID: 27); 'source-ipv6-prefix-len': Prefix length for IPv6 source address(ID:29); 'dest-ipv6-address': IPv6 destination address in the IP packet header (ID:28); 'dest-ipv6-prefix-len': Prefix length for IPv6 dest address (ID:30); 'post-nat-source-ipv4-address': IPv4 natted source address (ID: 225); 'post-nat-dest-ipv4-address': IPv4 natted destination address(ID: 226); 'post-nat-source-ipv6-address': IPv6 natted source address (ID: 281); 'post-nat-dest-ipv6-address': IPv6 natted destination address (ID: 282); 'source-port': Source port identifier in the transport header (ID: 7); 'dest-port': Destination port identifier in the transport header (ID: 11); 'post-nat-source-port': L4 natted source port(ID: 227); 'post-nat-dest-port': L4 natted destination port (ID: 228); 'fwd-tuple-type': Session forward tuple

type (ID: 33024); 'rev-tuple-type': Session reverse tuple type (ID: 33025); 'ip-proto': Value of the protocol number in the IP packet header (ID: 4); 'flow-direction': Flow direction: 0:inbound(To an outside interface)/1:outbound(To an inside interface) (ID: 61); 'tcp-control-bits': Cumulative of all the TCP flags seen for this flow (ID: 6); 'fwd-bytes': Incoming bytes associated with an IP Flow (ID: 1); 'fwd-packets': Incoming packets associated with an IP Flow (ID: 2); 'rev-bytes': Delta bytes in reverse direction of bidirectional flow record (ID: 32769); 'rev-packets': Delta packets in reverse direction of bidirectional flow record (ID: 32770); 'in-port': Incoming interface port (ID: 10); 'out-port': Outcoming interface port (ID: 14); 'in-interface': Incoming interface name e.g. ethernet 0 (ID: 82); 'out-interface': Outcoming interface name e.g. ethernet 0 (ID: 32850); 'port-range-start': Port number identifying the start of a range of ports (ID: 361); 'port-range-end': Port number identifying the end of a range of ports (ID: 362); 'port-range-step-size': Step size in a port range (ID: 363); 'port-range-num-ports': Number of ports in a port range (ID: 364); 'rule-name': Rule Name (ID: 33034); 'rule-set-name': Rule-Set Name (ID: 33035); 'fw-source-zone': Firewall Source Zone Name (ID: 33036); 'fw-dest-zone': Firewall Dest Zone Name (ID: 33037); 'application-id': Application ID (ID: 95); 'imsi': Subscriber Attribute IMSI (ID: 455); 'msisdn': Subscriber Attribute MSISDN (ID: 456); 'imei': Subscriber Attribute IMEI (ID: 33030); 'radius-custom1': Radius Attribute Custom 1 (ID: 33031); 'radius-custom2': Radius Attribute Custom 2(ID: 33032); 'radius-custom3': Radius Attribute Custom 3 (ID:33033); 'radius-custom4': Radius Attribute Custom 4 (ID: 33067); 'radius-custom5': Radius Attribute Custom 5(ID: 33068); 'radius-custom6': Radius Attribute Custom 6 (ID:33069); 'flow-start-msec': The absolute timestamp of the first packet of the flow (ID: 152); 'flow-duration-msec': Difference in time between the first observed packet of this flow and the last observed packet of this flow (4 bytes) (ID: 161); 'flow-duration-msec-64': Difference in time between the first observed packet of this flow and the last observed packet of this flow (8 bytes) (ID: 33039); 'nat-event': Indicates a NAT event (ID: 230); 'fw-event': Indicates a FW session event(ID: 233); 'fw-deny-reset-event': Indicates a FW deny/reset event (ID: 33038); 'cgn-flow-direction': Flow direction: 0:inbound(To an outside interface)/1:outbound(To an inside interface)/2:hairpin(From an inside interface to an inside interface) (ID: 33040); 'fw-dest-fqdn': Firewall matched fqdn(ID: 33041); 'flow-end-reason': A10 flow end reason(ID: 33042); 'gtp-deny-reason': Indicates a GTP deny event (ID: 33043); 'gtp-apn': Indicates GTP APN (ID: 33044); 'gtp-steid': Indicates GTP Source TEID (ID: 33045); 'gtp-dteid': Indicates GTP Destination TEID (ID: 33046); 'gtp-selection-mode': Indicates GTP Selection Mode (ID: 33047); 'gtp-mcc': Indicates the MCC of the Serving Network (ID: 33048); 'gtp-mnc': Indicates the MNC of the serving network (ID: 33049); 'gtp-rat-type': Indicates the RAT Type received in the GTP Control packet (ID: 33050); 'gtp-pdn-pdp-type': Indicates the PDN/PDP Type in the GTP Control Packet (ID: 33051); 'gtp-uli': Indicates the User Location Information (ID: 33052); 'gtp-enduser-v4-addr': Indicates the Subscriber IPv4 Address (ID: 33053); 'gtp-enduser-v6-addr': Indicates the Subscriber IPv6 Address (ID: 33054); 'gtp-bearer-id-or-nsapi': Indicates the EPS Bearer ID or NSAPI of the Subscriber (ID: 33055); 'gtp-qci': Indicates the QoS Profile or Traffic Class of the subscriber (ID: 33056); 'gtp-info-event-ind': Indicates a GTP Info event(ID: 33057); 'gtp-restarted-node-ipv4': Restarted S5 Node IPV4 Address(ID: 33058); 'gtp-restarted-node-ipv6': Restarted S5 Node IPV6 Address(ID: 33059); 'gtp-c-tunnels-removed-with-node-restart': Indicates GTP-C tunnels removed by Node restart (ID: 33060); 'radius-imsi': Subscriber Attribute IMSI (Deprecated Field) (ID: 455); 'radius-msisdn': Subscriber Attribute MSISDN (Deprecated Field) (ID: 456); 'radius-imei': Subscriber Attribute IMEI (Deprecated Field) (ID: 33030); 'event-time-msec': The absolute time in milliseconds of an event observation(ID: 323); 'security-event-type': Type of security event(ID: 33063); 'limit-exceeded-count': Limit exceeded count for FW concurrent session(ID: 33062); 'rate-limit-key': Rate Limit Key(ID: 33064); 'rate-limit-type': Rate Limit Type(ID: 33065); 'rate-limit-drop-count': Rate Limit Drop Count(ID: 33066);

Type: string

Supported Values: fwd-tuple-vnp-id, rev-tuple-vnp-id, source-ipv4-address, source-ipv4-

prefix-len, dest-ipv4-address, dest-ipv4-prefix-len, source-ipv6-address, source-ipv6-prefix-len, dest-ipv6-address, dest-ipv6-prefix-len, post-nat-source-ipv4-address, post-nat-dest-ipv4-address, post-nat-source-ipv6-address, post-nat-dest-ipv6-address, source-port, dest-port, post-nat-source-port, post-nat-dest-port, fwd-tuple-type, rev-tuple-type, ip-proto, flow-direction, tcp-control-bits, fwd-bytes, fwd-packets, rev-bytes, rev-packets, in-port, out-port, in-interface, out-interface, port-range-start, port-range-end, port-range-step-size, port-range-num-ports, rule-name, rule-set-name, fw-source-zone, fw-dest-zone, application-id, imsi, msisdn, imei, radius-custom1, radius-custom2, radius-custom3, radius-custom4, radius-custom5, radius-custom6, flow-start-msec, flow-duration-msec, flow-duration-msec-64, nat-event, fw-event, fw-deny-reset-event, cgn-flow-direction, fw-dest-fqdn, flow-end-reason, gtp-deny-reason, gtp-apn, gtp-steid, gtp-dteid, gtp-selection-mode, gtp-mcc, gtp-mnc, gtp-rat-type, gtp-pdn-pdp-type, gtp-uli, gtp-enduser-v4-addr, gtp-enduser-v6-addr, gtp-bearer-id-or-nsapi, gtp-qci, gtp-info-event-ind, gtp-restarted-node-ipv4, gtp-restarted-node-ipv6, gtp-c-tunnels-removed-with-node-restart, radius-imsi, radius-msisdn, radius-imei, event-time-msec, security-event-type, limit-exceeded-count, rate-limit-key, rate-limit-type, rate-limit-drop-count

2.65.2 netflow common

NetFlow/IPFIX common settings

common Specification

Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/netflow/common
Element Attributes	common_attributes
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/common

common attributes

```
POST /axapi/v3/netflow/common
Payload:
{
    "common": {
        "max-packet-queue-time": 0
    }
}
```

Get Object

GET

/axapi/v3/netflow/common

common attributes

```
GET /axapi/v3/netflow/common
Reponse:
{
    "common": {
        "max-packet-queue-time": 0,
        "reset-time-on-flow-record": 0,
        "uuid": "e2ce9200-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/netflow/common"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/common

common attributes

Replace Object

PUT

/axapi/v3/netflow/common

common attributes

```
PUT /axapi/v3/netflow/common
Payload:
{
    "common": {
        "max-packet-queue-time": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/common

common attributes

```
DELETE /axapi/v3/netflow/common
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

common attributes

max-packet-queue-time

Description Configure netflow packet queue time (Max packet queue time(*20ms). Default:50(*20ms = 1s)))

Type: number

Range: 0-50

Default: 50

nat44_tpl_1001

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-time-on-flow-record

Description Reset session start time to current time on each flow timeout export for long-lasting session (default: disabled).

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.65.3 netflow monitor

Configure NetFlow Monitor

monitor Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/netflow/monitor
Element Name	monitor
Element URI	/axapi/v3/netflow/monitor/{name}
Element Attributes	monitor_attributes
Statistics Data URI	/axapi/v3/netflow/monitor/{name}/stats
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor

monitor attributes

```
POST /axapi/v3/netflow/monitor/
Payload:
{
    "monitor": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/netflow/monitor

monitor attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}

monitor attributes

```
GET /axapi/v3/netflow/monitor/a
Reponse:
{
    "monitor": {
        "name": "a",
        "disable": 0,
        "source-ip-use-mgmt": 0,
        "flow-timeout": 10,
        "protocol": "v9",
        "uuid": "e65c6e1a-6044-11d9-9277-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/netflow/monitor/a"
    }
}
```

Get List

GET

/axapi/v3/netflow/monitor

monitor-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}

monitor attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}

monitor attributes

```
PUT /axapi/v3/netflow/monitor/a
Payload:
{
    "monitor": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/netflow/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}

monitor attributes

```
DELETE /axapi/v3/netflow/monitor/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

custom-record

Description: custom-record is a **JSON Block**. Please see below for *custom-record*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/custom-record*

destination

Description: destination is a **JSON Block**. Please see below for *destination*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/destination*

disable

Description Disable this netflow monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *disable-log-by-destination*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination*

flow-timeout

Description Configure timeout value to export flow records periodically for long-live session (Number of minutes: default is 10, 0 means only send flow record when session is deleted)

Type: number

Range: 0-1440

Default: 10

name

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

protocol

Description 'v9': Netflow version 9; 'v10': Netflow version 10 (IPFIX);

Type: string

Supported Values: v9, v10

Default: v9

record

Description: record is a **JSON Block**. Please see below for *record*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/record*

resend-template

Description: resend-template is a **JSON Block**. Please see below for *resend-template*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/resend-template*

sample

Description: sample is a **JSON Block**. Please see below for *sample*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample*

sampling-enable

Type: List

source-address

Description: source-address is a **JSON Block**. Please see below for *source-address*

Type: Object

Refernce Object: */axapi/v3/netflow/monitor/{name}/source-address*

source-ip-use-mgmt

Description Use management interface's IP address for source ip of netflow packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

custom-record

Specification	
Type	*object*

custom-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

custom-record_custom-cfg

Specification	
Type	*list*
Block object keys	

event

Description 'sesn-event-nat44-creation': Export NAT44 session creation events; 'sesn-event-nat44-deletion': Export NAT44 session deletion events; 'sesn-event-nat64-creation': Export NAT64 session creation events; 'sesn-event-nat64-deletion': Export NAT64 session deletion events; 'sesn-event-dslite-creation': Export Dslite session creation events; 'sesn-event-dslite-deletion': Export Dslite session deletion events; 'sesn-event-fw4-creation': Export FW4 session creation events; 'sesn-event-fw4-deletion': Export FW4 session deletion events; 'sesn-event-fw6-creation': Export FW6 session creation events; 'sesn-event-fw6-deletion': Export FW6 session deletion events; 'deny-reset-event-fw4': Export FW4 Deny Reset events; 'deny-reset-event-fw6': Export FW6 Deny Reset events; 'port-mapping-nat44-creation': Export NAT44 Port Mapping Creation Event; 'port-mapping-nat44-deletion': Export NAT44 Port Mapping Deletion Event; 'port-mapping-nat64-creation': Export NAT64 Port Mapping Creation Event; 'port-mapping-nat64-deletion': Export NAT64 Port Mapping Deletion Event; 'port-mapping-dslite-creation': Export Dslite Port Mapping Creation Event; 'port-mapping-dslite-deletion': Export Dslite Port Mapping Deletion Event; 'port-batch-nat44-creation': Export NAT44 Port Batch Creation Event; 'port-batch-nat44-deletion': Export NAT44 Port Batch Deletion Event; 'port-batch-nat64-creation': Export NAT64 Port Batch Creation Event; 'port-batch-nat64-deletion': Export NAT64 Port Batch Deletion Event; 'port-batch-dslite-creation': Export Dslite Port Batch Creation Event; 'port-batch-dslite-deletion': Export Dslite Port Batch Deletion Event; 'port-batch-v2-nat44-creation': Export NAT44 Port Batch v2 Creation Event; 'port-batch-v2-nat44-deletion': Export NAT44 Port Batch v2 Deletion Event; 'port-batch-v2-nat64-creation': Export NAT64 Port Batch v2 Creation Event; 'port-batch-v2-nat64-deletion': Export NAT64 Port Batch v2 Deletion Event; 'port-batch-v2-dslite-creation': Export Dslite Port Batch v2 Creation Event; 'port-batch-v2-dslite-deletion': Export Dslite Port Batch v2 Deletion Event; 'gtp-c-tunnel-event': Export GTP Control Tunnel Creation or Deletion Events; 'gtp-u-tunnel-event': Export GTP User Tunnel Creation or Deletion Events; 'gtp-deny-event': Export GTP Deny events on GTP C/U Tunnels; 'gtp-info-event': Export GTP Info events on

GTP C/U Tunnels; 'fw-ddos-entry-creation': Export FW iDDoS Entry Created Record; 'fw-ddos-entry-deletion': Export FW iDDoS Entry Deleted Record; 'fw-session-limit-exceeded': Export FW Session Limit Exceeded Record; 'cgn-ddos-l3-entry-creation': Export CGN iDDoS L3 Entry Creation; 'cgn-ddos-l3-entry-deletion': Export CGN iDDoS L3 Entry Deletion; 'cgn-ddos-l4-entry-creation': Export CGN iDDoS L4 Entry Creation; 'cgn-ddos-l4-entry-deletion': Export CGN iDDoS L4 Entry Deletion; 'gtp-rate-limit-periodic': Export GTP Rate Limit Periodic;

Type: string

Supported Values: sesn-event-nat44-creation, sesn-event-nat44-deletion, sesn-event-nat64-creation, sesn-event-nat64-deletion, sesn-event-dslite-creation, sesn-event-dslite-deletion, sesn-event-fw4-creation, sesn-event-fw4-deletion, sesn-event-fw6-creation, sesn-event-fw6-deletion, deny-reset-event-fw4, deny-reset-event-fw6, port-mapping-nat44-creation, port-mapping-nat44-deletion, port-mapping-nat64-creation, port-mapping-nat64-deletion, port-mapping-dslite-creation, port-mapping-dslite-deletion, port-batch-nat44-creation, port-batch-nat44-deletion, port-batch-nat64-creation, port-batch-nat64-deletion, port-batch-dslite-creation, port-batch-dslite-deletion, port-batch-v2-nat44-creation, port-batch-v2-nat44-deletion, port-batch-v2-nat64-creation, port-batch-v2-nat64-deletion, port-batch-v2-dslite-creation, port-batch-v2-dslite-deletion, gtp-c-tunnel-event, gtp-u-tunnel-event, gtp-deny-event, gtp-info-event, fw-ddos-entry-creation, fw-ddos-entry-deletion, fw-session-limit-exceeded, cgn-ddos-l3-entry-creation, cgn-ddos-l3-entry-deletion, cgn-ddos-l4-entry-creation, cgn-ddos-l4-entry-deletion, gtp-rate-limit-periodic

ipfix-template

Description Custom IPFIX Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/netflow/template*

sample

Specification	
Type	*object*

ethernet-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}*

nat-pool-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}*

ve-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}*

sample_ve-list

Specification	
Type	*list*
Block object keys	

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description VE interface number

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/interface/ve*

sample_nat-pool-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Name of nat pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sample_ethernet-list

Specification	
Type	*list*
Block object keys	

ifindex

Description Ethernet interface number

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-address

Specification	
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination

Specification	
Type	*object*

ip-cfg

Description: ip-cfg is a **JSON Block**. Please see below for *destination_ip-cfg*

Type: Object

ipv6-cfg

Description: ipv6-cfg is a **JSON Block**. Please see below for *destination_ipv6-cfg*

Type: Object

service-group

Description Service-group for load balancing between multiple collector servers

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group ip and ipv6 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination_ip-cfg

Specification	
Type	*object*

ip

Description IP address of netflow collector

Type: string

Format: ipv4-address

Mutual Exclusion: ip service-group and ipv6 are mutually exclusive

port4

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

destination_ipv6-cfg

Specification	
Type	*object*

ipv6

Description IPv6 address of netflow collector

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 service-group and ip are mutually exclusive

port6

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

disable-log-by-destination

Specification	
Type	*object*

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip6-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip6-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip6-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

record

Specification	
Type	*object*

dslite

Description DS-Lite Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat44

Description NAT44 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat64

Description NAT64 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5

Description NetFlow V5 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5-ext

Description Extended NetFlow V5 Flow Record Template, supports ipv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-batch-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw4

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw6

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-sent': packets-sent; 'bytes-sent': bytes-sent; 'nat44-records-sent': nat44-records-sent; 'nat44-records-sent-failure': nat44-records-sent-failure; 'nat64-records-sent': nat64-records-sent; 'nat64-records-sent-failure': nat64-records-sent-failure; 'dslite-records-sent': dslite-records-sent; 'dslite-records-sent-failure': dslite-records-sent-failure; 'session-event-nat44-records-sent': session-event-nat44-records-sent; 'session-event-nat44-records-sent-failure': session-event-nat44-records-sent-failure; 'session-event-nat64-records-sent': session-event-nat64-records-sent; 'session-event-nat64-records-sent-failure': session-event-nat64-records-sent-failure; 'session-event-dslite-records-sent': session-event-dslite-records-sent; 'session-event-dslite-records-sent-failure': session-event-dslite-records-sent-failure; 'port-mapping-nat44-records-sent': port-mapping-nat44-records-sent; 'port-mapping-nat44-records-sent-failure': port-mapping-nat44-records-sent-failure; 'port-mapping-nat64-records-sent': port-mapping-nat64-records-sent; 'port-mapping-nat64-records-sent-failure': port-mapping-nat64-records-sent-failure; 'port-mapping-dslite-records-sent': port-mapping-dslite-records-sent; 'port-mapping-dslite-records-sent-failure': port-mapping-dslite-records-sent-failure; 'netflow-v5-records-sent': netflow-v5-records-sent; 'netflow-v5-records-sent-failure': netflow-v5-records-sent-failure; 'netflow-v5-ext-records-sent': netflow-v5-ext-records-sent; 'netflow-v5-ext-records-sent-failure': netflow-v5-ext-records-sent-failure;

Type: string

Supported Values: all, packets-sent, bytes-sent, nat44-records-sent, nat44-records-sent-failure, nat64-records-sent, nat64-records-sent-failure, dslite-records-sent, dslite-records-sent-failure, session-event-nat44-records-sent, session-event-nat44-records-sent-failure, session-event-nat64-records-sent, session-event-nat64-records-sent-failure, session-event-dslite-records-sent, session-event-dslite-records-sent-failure, session-event-fw4-records-sent, session-event-fw4-records-sent-failure, session-event-fw6-records-sent, session-event-fw6-records-sent-failure, port-mapping-nat44-records-sent, port-mapping-nat44-records-sent-failure, port-mapping-nat64-records-sent, port-mapping-nat64-records-sent-failure, port-mapping-dslite-records-sent, port-mapping-dslite-records-sent-failure, netflow-v5-records-sent, netflow-v5-records-sent-failure, netflow-v5-ext-records-sent, netflow-v5-ext-records-sent-failure, port-batching-nat44-records-sent, port-batching-nat44-records-sent-failure, port-batching-nat64-records-sent, port-batching-nat64-records-sent-failure, port-batching-dslite-records-sent, port-batching-dslite-records-sent-failure, port-batching-v2-nat44-records-sent, port-batching-v2-nat44-records-sent-failure, port-batching-v2-nat64-records-sent, port-batching-v2-nat64-records-sent-failure, port-batching-v2-dslite-records-sent, port-batching-v2-dslite-records-sent-failure, custom-session-event-nat44-creation-records-sent,

custom-session-event-nat44-creation-records-sent-failure, custom-session-event-nat64-creation-records-sent, custom-session-event-nat64-creation-records-sent-failure, custom-session-event-dslite-creation-records-sent, custom-session-event-dslite-creation-records-sent-failure, custom-session-event-nat44-deletion-records-sent, custom-session-event-nat44-deletion-records-sent-failure, custom-session-event-nat64-deletion-records-sent, custom-session-event-nat64-deletion-records-sent-failure, custom-session-event-dslite-deletion-records-sent, custom-session-event-dslite-deletion-records-sent-failure, custom-session-event-fw4-creation-records-sent, custom-session-event-fw4-creation-records-sent-failure, custom-session-event-fw6-creation-records-sent, custom-session-event-fw6-creation-records-sent-failure, custom-session-event-fw4-deletion-records-sent, custom-session-event-fw4-deletion-records-sent-failure, custom-session-event-fw6-deletion-records-sent, custom-session-event-fw6-deletion-records-sent-failure, custom-deny-reset-event-fw4-records-sent, custom-deny-reset-event-fw4-records-sent-failure, custom-deny-reset-event-fw6-records-sent, custom-deny-reset-event-fw6-records-sent-failure, custom-port-mapping-nat44-creation-records-sent, custom-port-mapping-nat44-creation-records-sent-failure, custom-port-mapping-nat64-creation-records-sent, custom-port-mapping-nat64-creation-records-sent-failure, custom-port-mapping-dslite-creation-records-sent, custom-port-mapping-dslite-creation-records-sent-failure, custom-port-mapping-nat44-deletion-records-sent, custom-port-mapping-nat44-deletion-records-sent-failure, custom-port-mapping-nat64-deletion-records-sent, custom-port-mapping-nat64-deletion-records-sent-failure, custom-port-mapping-dslite-deletion-records-sent, custom-port-mapping-dslite-deletion-records-sent-failure, custom-port-batching-nat44-creation-records-sent, custom-port-batching-nat44-creation-records-sent-failure, custom-port-batching-nat64-creation-records-sent, custom-port-batching-nat64-creation-records-sent-failure, custom-port-batching-dslite-creation-records-sent, custom-port-batching-dslite-creation-records-sent-failure, custom-port-batching-nat44-deletion-records-sent, custom-port-batching-nat44-deletion-records-sent-failure, custom-port-batching-nat64-deletion-records-sent, custom-port-batching-nat64-deletion-records-sent-failure, custom-port-batching-dslite-deletion-records-sent, custom-port-batching-dslite-deletion-records-sent-failure, custom-port-batching-v2-nat44-creation-records-sent

counters2

Description 'custom-port-batching-v2-nat44-creation-records-sent-failure': Custom Nat44 Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-nat64-creation-records-sent': Custom Nat64 Port Batch V2 Creation Records Sent; 'custom-port-batching-v2-nat64-creation-records-sent-failure': Custom Nat64 Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-dslite-creation-records-sent': Custom Dslite Port Batch V2 Creation Records Sent; 'custom-port-batching-v2-dslite-creation-records-sent-failure': Custom Dslite Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-nat44-deletion-records-sent': Custom Nat44 Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-nat44-deletion-records-sent-failure': Custom Nat44 Port Batch V2 Deletion Records Failed; 'custom-port-batching-v2-nat64-deletion-records-sent': Custom Nat64 Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-nat64-deletion-records-sent-failure': Custom Nat64 Port Batch V2 Deletion Records Failed; 'custom-port-batching-v2-dslite-deletion-records-sent': Custom Dslite Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-dslite-deletion-records-sent-failure': Custom Dslite Port Batch V2 Deletion Records Failed; 'reduced-logs-by-destination': Reduced Logs by Destination Protocol and Port;

Type: string

Supported Values: custom-port-batching-v2-nat44-creation-records-sent-failure, custom-port-batching-v2-nat64-creation-records-sent, custom-port-batching-v2-nat64-creation-records-sent-failure, custom-port-batching-v2-dslite-creation-records-sent, custom-port-batching-v2-dslite-creation-records-sent-failure, custom-port-batching-v2-nat44-deletion-records-sent, custom-port-batching-v2-nat44-deletion-records-sent-failure, custom-port-batching-v2-nat64-deletion-records-sent, custom-port-batching-v2-nat64-deletion-records-

sent-failure, custom-port-batching-v2-dslite-deletion-records-sent, custom-port-batching-v2-dslite-deletion-records-sent-failure, reduced-logs-by-destination, custom-gtp-c-tunnel-event-records-sent, custom-gtp-c-tunnel-event-records-sent-failure, custom-gtp-u-tunnel-event-records-sent, custom-gtp-u-tunnel-event-records-sent-failure, custom-gtp-deny-event-records-sent, custom-gtp-deny-event-records-sent-failure, custom-gtp-info-event-records-sent, custom-gtp-info-event-records-sent-failure, custom-fw-iddos-entry-created-records-sent, custom-fw-iddos-entry-created-records-sent-failure, custom-fw-iddos-entry-deleted-records-sent, custom-fw-iddos-entry-deleted-records-sent-failure, custom-fw-sesn-limit-exceeded-records-sent, custom-fw-sesn-limit-exceeded-records-sent-failure, custom-nat-iddos-l3-entry-created-records-sent, custom-nat-iddos-l3-entry-created-records-sent-failure, custom-nat-iddos-l3-entry-deleted-records-sent, custom-nat-iddos-l3-entry-deleted-records-sent-failure, custom-nat-iddos-l4-entry-created-records-sent, custom-nat-iddos-l4-entry-created-records-sent-failure, custom-nat-iddos-l4-entry-deleted-records-sent, custom-nat-iddos-l4-entry-deleted-records-sent-failure, custom-gtp-rate-limit-periodic-records-sent, custom-gtp-rate-limit-periodic-records-sent-failure

resend-template

Specification	
Type	*object*

records

Description To resend template once for each number of records (Number of records: default is 1000, 0 means never resend template)

Type: number

Range: 0-1000000

Default: 1000

timeout

Description To set time interval to resend template (number of seconds: default is 1800, 0 means never resend template)

Type: number

Range: 0-86400

Default: 1800

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	port-mapping-nat64-records-sent	8	Port Mapping Nat64 Event Records Sent
	custom-gtp-info-event-records-sent-failure	8	Custom GTP Info Records Sent Failure
	port-batching-v2-dslite-records-sent	8	Port Batching V2 Dslite Records Sent
	custom-deny-reset-event-fw4-records-sent	8	Custom FW4 Deny/Reset Event Records Sent
	custom-fw-iddos-entry-deleted-records-sent-failure	8	Custom FW iDDoS Entry Deleted Records Sent Failure
	custom-session-event-dslite-deletion-records-sent	8	Custom Dslite Session Deletion Records Sent
	session-event-nat64-records-sent	8	Nat64 Session Event Records Sent
	port-batching-nat64-records-sent-failure	8	Port Batching Nat64 Records Failed
	custom-port-batching-v2-nat64-creation-records-sent-failure	8	Custom Nat64 Port Batch V2 Creation Records Failed
	session-event-dslite-records-sent	8	Dslite Session Event Records Sent

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Table 2.24 – continued from previous page

	Counter	Size	Description
	custom-port-batching-nat44-deletion-records-sent-failure	8	Custom Nat44 Port Batch Deletion Records Failed
	port-batching-v2-nat44-records-sent-failure	8	Port Batching V2 Nat44 Records Failed
	custom-fw-iddos-entry-created-records-sent-failure	8	Custom FW iDDoS Entry Created Records Sent Failure
	custom-gtp-rate-limit-periodic-records-sent-failure	8	Custom GTP Rate Limit Periodic Records Sent Failure
	custom-session-event-nat44-deletion-records-sent	8	Custom Nat44 Session Deletion Records Sent
	custom-session-event-nat64-creation-records-sent	8	Custom Nat64 Session Creation Records Sent
	session-event-fw6-records-sent-failure	8	FW6 Session Event Records Failed
	custom-port-batching-v2-nat44-deletion-records-sent	8	Custom Nat44 Port Batch V2 Deletion Records Sent
	custom-nat-iddos-l3-entry-created-records-sent	8	Custom NAT iDDoS L3 Entry Created Records Sent
	custom-port-mapping-dslite-creation-records-sent	8	Custom Dslite Port Map Creation Records Sent

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Table 2.24 – continued from previous page

	Counter	Size	Description
	custom-port-batching-nat44-deletion-records-sent	8	Custom Nat44 Port Batch Deletion Records Sent
	custom-session-event-nat64-deletion-records-sent	8	Custom Nat64 Session Deletion Records Sent
	custom-session-event-fw6-deletion-records-sent	8	Custom FW6 Session Deletion Records Sent
	session-event-dslite-records-sent-failure	8	Dslite Session Event Records Failed
	nat44-records-sent	8	NAT44 Flow Records Sent
	custom-session-event-nat44-deletion-records-sent-failure	8	Custom Nat44 Session Deletion Records Failed
	custom-gtp-u-tunnel-event-records-sent	8	Custom GTP U Tunnel Records Sent
	custom-port-batching-v2-nat44-creation-records-sent-failure	8	Custom Nat44 Port Batch V2 Creation Records Failed
	custom-port-batching-nat64-deletion-records-sent	8	Custom Nat64 Port Batch Deletion Records Sent
	nat64-records-sent-failure	8	NAT64 Flow Records Failed
	netflow-v5-records-sent-failure	8	Netflow v5 Records Failed

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Table 2.24 – continued from previous page

	Counter	Size	Description
	port-batching-v2-nat64-records-sent	8	Port Batching V2 Nat64 Records Sent
	netflow-v5-records-sent	8	Netflow v5 Records Sent
	session-event-fw6-records-sent	8	FW6 Session Event Records Sent
	custom-port-mapping-nat44-deletion-records-sent-failure	8	Custom Nat44 Port Map Deletion Records Failed
	port-mapping-nat44-records-sent-failure	8	Port Mapping Nat44 Event Records Failed
	custom-port-batching-dslite-creation-records-sent-failure	8	Custom Dslite Port Batch Creation Records Failed
	custom-port-batching-v2-dslite-creation-records-sent-failure	8	Custom Dslite Port Batch V2 Creation Records Failed
	custom-session-event-dslite-creation-records-sent-failure	8	Custom Dslite Session Creation Records Failed
	custom-port-batching-nat44-creation-records-sent	8	Custom Nat44 Port Batch Creation Records Sent
	port-batching-dslite-records-sent-failure	8	Port Batching Dslite Records Failed

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Table 2.24 – continued from previous page

	Counter	Size	Description
	netflow-v5-ext-records-sent-failure	8	Netflow v5 Ext Records Failed
	port-batching-nat64-records-sent	8	Port Batching Nat64 Records Sent
	custom-session-event-fw4-creation-records-sent	8	Custom FW4 Session Creation Records Sent
	dslite-records-sent-failure	8	Dslite Flow Records Failed
	custom-port-mapping-nat44-creation-records-sent-failure	8	Custom Nat44 Port Map Creation Records Failed
	custom-nat-iddos-l3-entry-deleted-records-sent	8	Custom NAT iDDoS L3 Entry Deleted Records Sent
	port-batching-v2-dslite-records-sent-failure	8	Port Batching V2 Dslite Records Falied
	custom-port-batching-v2-nat64-deletion-records-sent	8	Custom Nat64 Port Batch V2 Deletion Records Sent
	custom-port-mapping-nat44-deletion-records-sent	8	Custom Nat44 Port Map Deletion Records Sent
	custom-nat-iddos-l4-entry-created-records-sent-failure	8	Custom NAT iDDoS L4 Entry Created Records Sent Failure

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Table 2.24 – continued from previous page

	Counter	Size	Description
	custom-fw-iddos-entry-created-records-sent	8	Custom FW iDDoS Entry Created Records Sent
	custom-port-batching-v2-nat44-creation-records-sent	8	Custom Nat44 Port Batch V2 Creation Records Sent
	custom-gtp-u-tunnel-event-records-sent-failure	8	Custom GTP U Tunnel Records Sent Failure
	bytes-sent	8	Sent Bytes Count
	custom-session-event-fw6-creation-records-sent-failure	8	Custom FW6 Session Creation Records Failed
	custom-port-mapping-dslite-creation-records-sent-failure	8	Custom Dslite Port Map Creation Records Failed
	netflow-v5-ext-records-sent	8	Netflow v5 Ext Records Sent
	custom-port-batching-nat64-creation-records-sent	8	Custom Nat64 Port Batch Creation Records Sent
	custom-nat-iddos-l4-entry-deleted-records-sent	8	Custom NAT iDDoS L4 Entry Deleted Records Sent
	custom-gtp-info-event-records-sent	8	Custom GTP Info Records Sent
	session-event-fw4-records-sent-failure	8	FW4 Session Event Records Failed

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Table 2.24 – continued from previous page

	Counter	Size	Description
	custom-deny-reset-event-fw4-records-sent-failure	8	Custom FW4 Deny/Reset Event Records Failed
	custom-gtp-rate-limit-periodic-records-sent	8	Custom GTP Rate Limit Periodic Records Sent
	custom-port-batching-nat64-deletion-records-sent-failure	8	Custom Nat64 Port Batch Deletion Records Failed
	custom-port-batching-v2-nat44-deletion-records-sent-failure	8	Custom Nat44 Port Batch V2 Deletion Records Failed
	custom-session-event-nat64-deletion-records-sent-failure	8	Custom Nat64 Session Deletion Records Failed
	custom-port-mapping-nat44-creation-records-sent	8	Custom Nat44 Port Map Creation Records Sent
	custom-deny-reset-event-fw6-records-sent-failure	8	Custom FW6 Deny/Reset Event Records Failed
	custom-session-event-nat44-creation-records-sent	8	Custom Nat44 Session Creation Records Sent
	custom-session-event-fw6-creation-records-sent	8	Custom FW6 Session Creation Records Sent

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Table 2.24 – continued from previous page

	Counter	Size	Description
	port-mapping-dslite-records-sent-failure	8	Port Mapping Dslite Event Records failed
	custom-session-event-fw4-creation-records-sent-failure	8	Custom FW4 Session Creation Records Failed
	custom-gtp-deny-event-records-sent	8	Custom GTP Deny Records Sent
	custom-port-mapping-dslite-deletion-records-sent	8	Custom Dslite Port Map Deletion Records Sent
	custom-port-mapping-nat64-creation-records-sent-failure	8	Custom Nat64 Port Map Creation Records Failed
	port-batching-v2-nat64-records-sent-failure	8	Port Batching V2 Nat64 Records Failed
	custom-fw-iddos-entry-deleted-records-sent	8	Custom FW iDDoS Entry Deleted Records Sent
	session-event-nat44-records-sent	8	Nat44 Session Event Records Sent
	custom-port-batching-v2-dslite-deletion-records-sent	8	Custom Dslite Port Batch V2 Deletion Records Sent
	port-mapping-nat64-records-sent-failure	8	Port Mapping Nat64 Event Records Failed

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Table 2.24 – continued from previous page

	Counter	Size	Description
	custom-session-event-fw4-deletion-records-sent	8	Custom FW4 Session Deletion Records Sent
	custom-port-batching-dslite-deletion-records-sent-failure	8	Custom Dslite Port Batch Deletion Records Failed
	port-mapping-dslite-records-sent	8	Port Mapping Dslite Event Records Sent
	reduced-logs-by-destination	8	Reduced Logs by Destination Protocol and Port
	custom-gtp-deny-event-records-sent-failure	8	Custom GTP Deny Records Sent Failure
	dslite-records-sent	8	Dslite Flow Records Sent
	port-mapping-nat44-records-sent	8	Port Mapping Nat44 Event Records Sent
	custom-session-event-dslite-deletion-records-sent-failure	8	Custom Dslite Session Deletion Records Failed
	custom-nat-iddos-l3-entry-deleted-records-sent-failure	8	Custom NAT iDDoS L3 Entry Deleted Records Sent Failure
	custom-session-event-dslite-creation-records-sent	8	Custom Dslite Session Creation Records Sent
	session-event-fw4-records-sent	8	FW4 Session Event Records Sent

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Table 2.24 – continued from previous page

	Counter	Size	Description
	custom-fw-sesn-limit-exceeded-records-sent-failure	8	Custom FW Session Limit Exceeded Records Sent Failure
	custom-port-mapping-nat64-creation-records-sent	8	Custom Nat64 Port Map Creation Records Sent
	custom-nat-iddos-l4-entry-deleted-records-sent-failure	8	Custom NAT iDDoS L4 Entry Deleted Records Sent Failure
	custom-session-event-nat64-creation-records-sent-failure	8	Custom Nat64 Session Creation Records Failed
	port-batching-dslite-records-sent	8	Port Batching Dslite Records Sent
	custom-nat-iddos-l3-entry-created-records-sent-failure	8	Custom NAT iDDoS L3 Entry Created Records Sent Failure
	custom-port-batching-v2-dslite-creation-records-sent	8	Custom Dslite Port Batch V2 Creation Records Sent
	port-batching-v2-nat44-records-sent	8	Port Batching V2 Nat44 Records Sent
	custom-port-mapping-nat64-deletion-records-sent-failure	8	Custom Nat64 Port Map Deletion Records Failed

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Table 2.24 – continued from previous page

	Counter	Size	Description
	custom-port-batching-v2-nat64-deletion-records-sent-failure	8	Custom Nat64 Port Batch V2 Deletion Records Failed
	custom-port-batching-dslite-creation-records-sent	8	Custom Dslite Port Batch Creation Records Sent
	custom-port-batching-nat64-creation-records-sent-failure	8	Custom Nat64 Port Batch Creation Records Failed
	custom-session-event-fw4-deletion-records-sent-failure	8	Custom FW4 Session Deletion Records Failed
	custom-fw-sesn-limit-exceeded-records-sent	8	Custom FW Session Limit Exceeded Records Sent
	nat64-records-sent	8	NAT64 Flow Records Sent
	custom-port-mapping-dslite-deletion-records-sent-failure	8	Custom Dslite Port Map Deletion Records Failed
	custom-port-mapping-nat64-deletion-records-sent	8	Custom Nat64 Port Map Deletion Records Sent
	custom-deny-reset-event-fw6-records-sent	8	Custom FW6 Deny/Reset Event Records Sent
	custom-gtp-c-tunnel-event-records-sent	8	Custom GTP C Tunnel Records Sent

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Table 2.24 – continued from previous page

	Counter	Size	Description
	port-batching-nat44-records-sent	8	Port Batching Nat44 Records Sent
	custom-port-batching-dslite-deletion-records-sent	8	Custom Dslite Port Batch Deletion Records Sent
	port-batching-nat44-records-sent-failure	8	Port Batching Nat44 Records Failed
	custom-session-event-nat44-creation-records-sent-failure	8	Custom Nat44 Session Creation Records Failed
	nat44-records-sent-failure	8	NAT44 Flow Records Failed
	custom-session-event-fw6-deletion-records-sent-failure	8	Custom FW6 Session Deletion Records Failed
	session-event-nat64-records-sent-failure	8	Nat64 Session Event Records Falied
	custom-port-batching-nat44-creation-records-sent-failure	8	Custom Nat44 Port Batch Creation Records Failed
	custom-nat-iddos-l4-entry-created-records-sent	8	Custom NAT iDDoS L4 Entry Created Records Sent
	custom-port-batching-v2-nat64-creation-records-sent	8	Custom Nat64 Port Batch V2 Creation Records Sent

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Table 2.24 – continued from previous page

	Counter	Size	Description
	session-event-nat44-records-sent-failure	8	Nat44 Session Event Records Failed
	packets-sent	8	Sent Packets Count
	custom-port-batching-v2-dslite-deletion-records-sent-failure	8	Custom Dslite Port Batch V2 Deletion Records Failed
	custom-gtp-c-tunnel-event-records-sent-failure	8	Custom GTP C Tunnel Records Sent Failure

2.65.4 netflow monitor custom-record

Configure custom record types to be exported

custom-record Specification

Type	*Configuration Resource*
Element Name	custom-record
Element URI	/axapi/v3/netflow/monitor/{name}/custom-record
Element Attributes	custom-record_attributes
Schema	`custom-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

custom-record attributes

custom-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

custom-cfg

Specification	
Type	*list*
Block object keys	

event

Description 'sesn-event-nat44-creation': Export NAT44 session creation events; 'sesn-event-nat44-deletion': Export NAT44 session deletion events; 'sesn-event-nat64-creation': Export NAT64 session creation events; 'sesn-event-nat64-deletion': Export NAT64 session deletion events; 'sesn-event-dslite-creation': Export Dslite session creation events; 'sesn-event-dslite-deletion': Export Dslite session deletion events; 'sesn-event-fw4-creation': Export FW4 session creation events; 'sesn-event-fw4-deletion': Export FW4 session deletion events; 'sesn-event-fw6-creation': Export FW6 session creation events; 'sesn-event-fw6-deletion': Export FW6 session deletion events; 'deny-reset-event-fw4': Export FW4 Deny Reset events; 'deny-reset-event-fw6': Export FW6 Deny Reset events; 'port-mapping-nat44-creation': Export NAT44 Port Mapping Creation Event; 'port-mapping-nat44-deletion': Export NAT44 Port Mapping Deletion Event; 'port-mapping-nat64-creation': Export NAT64 Port Mapping Creation Event; 'port-mapping-nat64-deletion': Export NAT64 Port Mapping Deletion Event; 'port-mapping-dslite-creation': Export Dslite Port Mapping Creation Event; 'port-mapping-dslite-deletion': Export Dslite Port Mapping Deletion Event; 'port-batch-nat44-creation': Export NAT44 Port Batch Creation Event; 'port-batch-nat44-deletion': Export NAT44 Port Batch Deletion Event; 'port-batch-nat64-creation': Export NAT64 Port Batch Creation Event; 'port-batch-nat64-deletion': Export NAT64 Port Batch Deletion Event; 'port-batch-dslite-creation':

Export Dslite Port Batch Creation Event; 'port-batch-dslite-deletion': Export Dslite Port Batch Deletion Event; 'port-batch-v2-nat44-creation': Export NAT44 Port Batch v2 Creation Event; 'port-batch-v2-nat44-deletion': Export NAT44 Port Batch v2 Deletion Event; 'port-batch-v2-nat64-creation': Export NAT64 Port Batch v2 Creation Event; 'port-batch-v2-nat64-deletion': Export NAT64 Port Batch v2 Deletion Event; 'port-batch-v2-dslite-creation': Export Dslite Port Batch v2 Creation Event; 'port-batch-v2-dslite-deletion': Export Dslite Port Batch v2 Deletion Event;

Type: string

Supported Values: sesn-event-nat44-creation, sesn-event-nat44-deletion, sesn-event-nat64-creation, sesn-event-nat64-deletion, sesn-event-dslite-creation, sesn-event-dslite-deletion, sesn-event-fw4-creation, sesn-event-fw4-deletion, sesn-event-fw6-creation, sesn-event-fw6-deletion, deny-reset-event-fw4, deny-reset-event-fw6, port-mapping-nat44-creation, port-mapping-nat44-deletion, port-mapping-nat64-creation, port-mapping-nat64-deletion, port-mapping-dslite-creation, port-mapping-dslite-deletion, port-batch-nat44-creation, port-batch-nat44-deletion, port-batch-nat64-creation, port-batch-nat64-deletion, port-batch-dslite-creation, port-batch-dslite-deletion, port-batch-v2-nat44-creation, port-batch-v2-nat44-deletion, port-batch-v2-nat64-creation, port-batch-v2-nat64-deletion, port-batch-v2-dslite-creation, port-batch-v2-dslite-deletion, gtp-c-tunnel-event, gtp-u-tunnel-event, gtp-deny-event, gtp-info-event, fw-ddos-entry-creation, fw-ddos-entry-deletion, fw-session-limit-exceeded, cgn-ddos-l3-entry-creation, cgn-ddos-l3-entry-deletion, cgn-ddos-l4-entry-creation, cgn-ddos-l4-entry-deletion, gtp-rate-limit-periodic

ipfix-template

Description Custom IPFIX Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/netflow/template*

2.65.5 netflow monitor destination

Configure destination where netflow records will be sent

destination Specification

Type	*Configuration Resource*
Element Name	destination
Element URI	/axapi/v3/netflow/monitor/{name}/destination
Element Attributes	destination_attributes
Schema	`destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

```
POST /axapi/v3/netflow/monitor/a/destination
Payload:
{
    "destination": {
        "service-group": "a"
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

```
GET /axapi/v3/netflow/monitor/a/destination
Reponse:
{
    "destination": {
        "service-group": "a",
        "uuid": "2bcc1ffe-6045-11d9-9277-001fa00680a0",
        "a10-url": "/axapi/v3/netflow/monitor/a/destination"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

```
PUT /axapi/v3/netflow/monitor/a/destination
Payload:
{
    "destination": {
        "service-group": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

```
DELETE /axapi/v3/netflow/monitor/a/destination
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

destination attributes

ip-cfg

Description: ip-cfg is a **JSON Block**. Please see below for *ip-cfg*

Type: Object

ipv6-cfg

Description: ipv6-cfg is a **JSON Block**. Please see below for *ipv6-cfg*

Type: Object

service-group

Description Service-group for load balancing between multiple collector servers

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group ip and ipv6 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-cfg

Specification	
Type	*object*

ip

Description IP address of netflow collector

Type: string

Format: ipv4-address

Mutual Exclusion: ip service-group and ipv6 are mutually exclusive

port4

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

ipv6-cfg

Specification	
Type	*object*

ipv6

Description IPv6 address of netflow collector

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 service-group and ip are mutually exclusive

port6

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

2.65.6 netflow monitor disable-log-by-destination

Disable logging by destination protocol and port

disable-log-by-destination Specification

Type	*Configuration Resource*
Element Name	disable-log-by-destination
Element URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination
Element Attributes	disable-log-by-destination_attributes
Schema	`disable-log-by-destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

disable-log-by-destination attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list

Specification	
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip6-list_tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list_udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.65.7 netflow monitor disable-log-by-destination ip

Configure a filter IP enrty

ip Specification

Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ip-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip
Element Name	ip
Element URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip

ip attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip

ip attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip

ip-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip

ip-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.65.8 netflow monitor disable-log-by-destination ip6

Configure a filter IP enrty

ip6 Specification

Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ip6-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6
Element Name	ip6
Element URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}
Element Attributes	ip6_attributes
Schema	`ip6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6

ip6 attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6

ip6 attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6

ip6-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6

ip6-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

ip6-list

ip6-list is **JSON List** of *ip6 attributes*

ip6-list : [

{ *ip6 attributes* },

{ *ip6 attributes* },

...

]

ip6 attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.65.9 netflow monitor record

Configure record types to be exported

record Specification

Type	*Configuration Resource*
Element Name	record
Element URI	/axapi/v3/netflow/monitor/{name}/record
Element Attributes	record_attributes
Schema	`record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/record

record attributes

```
POST /axapi/v3/netflow/monitor/a/record
Payload:
{
    "record": {
        "netflow-v5": 1
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/record

record attributes

```
GET /axapi/v3/netflow/monitor/a/record
Reponse:
{
    "record": {
        "netflow-v5": 1,
        "netflow-v5-ext": 0,
        "nat44": 0,
        "nat64": 0,
        "dslite": 0,
        "uuid": "8fe74ae0-6045-11d9-9277-001fa00680a0",
        "a10-url": "/axapi/v3/netflow/monitor/a/record"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/record

record attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/record

record attributes

```
PUT /axapi/v3/netflow/monitor/a/record
Payload:
{
    "record": {
        "netflow-v5": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/record

record attributes

```
DELETE /axapi/v3/netflow/monitor/a/record
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

record attributes

dslite

Description DS-Lite Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat44

Description NAT44 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat64

Description NAT64 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5

Description NetFlow V5 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5-ext

Description Extended NetFlow V5 Flow Record Template, supports ipv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-batch-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw4

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw6

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.65.10 netflow monitor resend-template

Configure when to resend netflow template

resend-template Specification

Type	*Configuration Resource*
Element Name	resend-template
Element URI	/axapi/v3/netflow/monitor/{name}/resend-template
Element Attributes	resend-template_attributes
Schema	`resend-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

```
POST /axapi/v3/netflow/monitor/a/resend-template
Payload:
{
    "resend-template": {
        "timeout": 0
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

```
GET /axapi/v3/netflow/monitor/a/resend-template
Reponse:
{
    "resend-template": {
        "timeout": 0,
        "records": 1000,
        "uuid": "d087cbec-6045-11d9-9277-001fa00680a0",
        "a10-url": "/axapi/v3/netflow/monitor/a/resend-template"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

```
PUT /axapi/v3/netflow/monitor/a/resend-template
Payload:
{
    "resend-template": {
        "timeout": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

```
DELETE /axapi/v3/netflow/monitor/a/resend-template
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

resend-template attributes

records

Description To resend template once for each number of records (Number of records: default is 1000, 0 means never resend template)

Type: number

Range: 0-1000000

Default: 1000

timeout

Description To set time interval to resend template (number of seconds: default is 1800, 0 means never resend template)

Type: number

Range: 0-86400

Default: 1800

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.65.11 netflow monitor sample

Configure filters for monitoring traffic (All traffic is monitored if no filters configured)

sample Specification

Type	*Intermediate Resource*
Element Name	sample
Element URI	/axapi/v3/netflow/monitor/{name}/sample
Element Attributes	sample_attributes
Schema	`sample schema`

Operations Allowed:

Get Object

GET

/axapi/v3/netflow/monitor/{name}/sample

sample_attributes

sample attributes

ethernet-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}*

nat-pool-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}*

ve-list

Type: List

Refernce Object: */axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}*

ve-list

Specification	
Type	*list*
Block object keys	

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description VE interface number

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/interface/ve*

nat-pool-list

Specification	
Type	*list*
Block object keys	

pool-name

Description Name of nat pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	
Type	*list*
Block object keys	

ifindex

Description Ethernet interface number

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.65.12 netflow monitor sample ethernet

select ethernet interface to monitor

ethernet Specification

Type	*Collection*
Object Key(s)	*ifindex*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/sample/ethernet
Element Name	ethernet
Element URI	/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}
Element Attributes	ethernet_attributes
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/sample/ethernet

ethernet attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/sample/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}

ethernet attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/sample/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}

ethernet attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}

ethernet attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/sample/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}

ethernet attributes

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

ethernet-list : [

{ *ethernet attributes* },

{ *ethernet attributes* },

...

]

ethernet attributes

ifindex

Description Ethernet interface number

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.65.13 netflow monitor sample nat-pool

Select nat pool to monitor

nat-pool Specification

Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*nat-pool-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/sample/nat-pool
Element Name	nat-pool
Element URI	/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}
Element Attributes	nat-pool_attributes
Schema	`nat-pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/sample/nat-pool

nat-pool attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/sample/nat-pool

nat-pool attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}

nat-pool attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/sample/nat-pool

nat-pool-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}

nat-pool attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}

nat-pool attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/sample/nat-pool

nat-pool-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}

nat-pool attributes

nat-pool-list

nat-pool-list is **JSON List** of *nat-pool attributes*

nat-pool-list : [

{ *nat-pool attributes* },

{ *nat-pool attributes* },

...

]

nat-pool attributes

pool-name

Description Name of nat pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.65.14 netflow monitor sample ve

select VE interface to monitor

ve Specification

Type	*Collection*
Object Key(s)	*ve-num*
Collection Name	*ve-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/sample/ve
Element Name	ve
Element URI	/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}
Element Attributes	ve_attributes
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/sample/ve

ve attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/sample/ve

ve attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}

ve attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/sample/ve

ve-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}

ve attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}

ve attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/sample/ve

ve-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}

ve attributes

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description VE interface number

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/interface/ve*

2.65.15 netflow monitor source-address

Specify source address of Netflow packet

source-address Specification

Type	*Configuration Resource*
Element Name	source-address
Element URI	/axapi/v3/netflow/monitor/{name}/source-address
Element Attributes	source-address_attributes
Schema	`source-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

```
POST /axapi/v3/netflow/monitor/a/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

```
GET /axapi/v3/netflow/monitor/a/source-address
Reponse:
{
    "source-address": {
        "ip": "3.3.3.3",
        "uuid": "14ee7e8e-6046-11d9-9277-001fa00680a0",
        "a10-url": "/axapi/v3/netflow/monitor/a/source-address"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

```
PUT /axapi/v3/netflow/monitor/a/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

```
DELETE /axapi/v3/netflow/monitor/a/source-address
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

source-address attributes

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.65.16 netflow template

IPFIX Custom Template

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/netflow/template
Element Name	template
Element URI	/axapi/v3/netflow/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/template

template attributes

Create List

POST

/axapi/v3/netflow/template

template attributes

Get Object

GET

/axapi/v3/netflow/template/{name}

template attributes

Get List

GET

/axapi/v3/netflow/template

template-list

Modify Object

POST

/axapi/v3/netflow/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/netflow/template/{name}

template attributes

Replace List

PUT

/axapi/v3/netflow/template

template-list

Delete Object

DELETE

/axapi/v3/netflow/template/{name}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

information-element-blk

Type: List

ipfix-template-id

Description Custom IPFIX Template ID

Type: number

Range: 2001-3000

name

Description IPFIX CUSTOM Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

information-element-blk

Specification	
Type	*list*
Block object keys	

information-element

Description 'fwd-tuple-vnp-id': Session forward tuple partition id (ID: 33028); 'rev-tuple-vnp-id': Session reverse tuple partition id (ID: 33029); 'source-ipv4-address': IPv4 source address in the IP packet header (ID: 8); 'dest-ipv4-address': IPv4 destination address in the IP packet header (ID: 12); 'source-ipv6-address': IPv6 source address in the IP packet header (ID: 27); 'dest-ipv6-address': IPv6 destination address in the IP packet header (ID:28); 'post-nat-source-ipv4-address': IPv4 natted source address (ID: 225); 'post-nat-dest-ipv4-address': IPv4 natted destination address(ID: 226); 'post-nat-source-ipv6-address': IPv6 natted source address (ID: 281); 'post-nat-dest-ipv6-address': IPv6 natted destination address (ID: 282); 'source-port': Source port identifier in the transport header (ID: 7); 'dest-port': Destination port identifier in the transport header (ID: 11); 'post-nat-source-port': L4 natted source port(ID: 227); 'post-nat-dest-port': L4 natted destination port (ID: 228); 'fwd-tuple-type': Session forward tuple type (ID: 33024); 'rev-tuple-type': Session reverse tuple type (ID: 33025); 'ip-proto': Value of the protocol number in the IP packet header (ID: 4); 'flow-direction': Flow direction: 0:inbound(To an outside interface)/1:outbound(To an inside interface) (ID: 61); 'tcp-control-bits': Cumulative of all the TCP flags seen for this flow (ID: 6); 'fwd-bytes': Incoming bytes associated with an IP Flow (ID: 1); 'fwd-packets': Incoming packets associated with an IP Flow (ID: 2); 'rev-bytes': Delta bytes in reverse direction of bidirectional flow record (ID: 32769); 'rev-packets': Delta packets in reverse direction of bidirectional flow record (ID: 32770); 'in-port': Incoming interface port (ID: 10); 'out-port': Outcoming interface port (ID: 14); 'in-interface': Incoming interface name e.g. ethernet 0 (ID: 82); 'out-interface': Outcoming interface name e.g. ethernet 0 (ID: 32850); 'port-range-start': Port number identifying the start of a range of ports (ID: 361); 'port-range-end': Port number identifying the end of a range of ports (ID: 362); 'port-range-step-size': Step size in a port range (ID: 363); 'port-range-num-ports': Number of ports in a port range (ID: 364); 'rule-name': Rule Name (ID: 33034); 'rule-set-name': Rule-Set Name (ID: 33035); 'fw-source-zone': Firewall Source Zone Name (ID: 33036); 'fw-dest-zone': Firewall Dest Zone Name (ID: 33037); 'application-id': Application ID (ID: 95); 'radius-imsi': Radius Attribute IMSI (ID: 455); 'radius-msisdn': Radius Attribute MSISDN (ID: 456); 'radius-imei': Radius Attribute IMEI (ID: 33030); 'radius-custom1': Radius Attribute Custom 1 (ID: 33031); 'radius-custom2': Radius Attribute Custom 2(ID: 33032); 'radius-custom3': Radius Attribute Custom 3 (ID:33033); 'flow-start-msec': The absolute timestamp of the first packet of the flow (ID: 152); 'flow-duration-msec': Difference in time between the first observed packet of this flow and the last observed packet of this flow (4 bytes) (ID: 161); 'flow-duration-msec-64': Difference in time between the first observed packet of this flow and the last observed packet of this flow (8 bytes) (ID: 33039); 'nat-event': Indicates a NAT event (ID: 230); 'fw-event': Indicates a FW session event(ID: 233); 'fw-deny-reset-event': Indicates a FW deny/reset event (ID: 33038); 'cgn-flow-direction': Flow direction: 0:inbound(To an outside interface)/1:outbound(To an inside interface)/2:hairpin(From an inside interface to an inside interface) (ID: 33040);

Type: string

Supported Values: fwd-tuple-vnp-id, rev-tuple-vnp-id, source-ipv4-address, source-ipv4-prefix-len, dest-ipv4-address, dest-ipv4-prefix-len, source-ipv6-address, source-ipv6-prefix-len, dest-ipv6-address, dest-ipv6-prefix-len, post-nat-source-ipv4-address, post-nat-dest-ipv4-address, post-nat-source-ipv6-address, post-nat-dest-ipv6-address, source-port, dest-port, post-nat-source-port, post-nat-dest-port, fwd-tuple-type, rev-tuple-type, ip-proto, flow-

direction, tcp-control-bits, fwd-bytes, fwd-packets, rev-bytes, rev-packets, in-port, out-port, in-interface, out-interface, port-range-start, port-range-end, port-range-step-size, port-range-num-ports, rule-name, rule-set-name, fw-source-zone, fw-dest-zone, application-id, imsi, msisdn, imei, radius-custom1, radius-custom2, radius-custom3, radius-custom4, radius-custom5, radius-custom6, flow-start-msec, flow-duration-msec, flow-duration-msec-64, nat-event, fw-event, fw-deny-reset-event, cgn-flow-direction, fw-dest-fqdn, flow-end-reason, gtp-deny-reason, gtp-apn, gtp-steid, gtp-dteid, gtp-selection-mode, gtp-mcc, gtp-mnc, gtp-rat-type, gtp-pdn-pdp-type, gtp-uli, gtp-enduser-v4-addr, gtp-enduser-v6-addr, gtp-bearer-id-or-nsapi, gtp-qci, gtp-info-event-ind, gtp-restarted-node-ipv4, gtp-restarted-node-ipv6, gtp-c-tunnels-removed-with-node-restart, radius-imsi, radius-msisdn, radius-imei, event-time-msec, security-event-type, limit-exceeded-count, rate-limit-key, rate-limit-type, rate-limit-drop-count

2.66 network

Objects:

2.66.1 network

Configure Network Command

network Specification

Type	*Intermediate Resource*
Element Name	network
Element URI	/axapi/v3/network
Element Attributes	network_attributes
Schema	`network schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network

network_attributes

network attributes

arp

Description: arp is a **JSON Block**. Please see below for *arp*

Type: Object

Refernce Object: */axapi/v3/network/arp*

arp-timeout

Description: arp-timeout is a **JSON Block**. Please see below for *arp-timeout*

Type: Object

Refernce Object: */axapi/v3/network/arp-timeout*

available-trunk-list

Description: available-trunk-list is a **JSON Block**. Please see below for *available-trunk-list*

Type: Object

Refernce Object: */axapi/v3/network/available-trunk-list*

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/network/bfd*

bpdu-fwd-group-list

Type: List

Refernce Object: */axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}*

bridge-vlan-group-list

Type: List

Refernce Object: */axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}*

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *icmp-rate-limit*

Type: Object

Refernce Object: */axapi/v3/network/icmp-rate-limit*

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *icmpv6-rate-limit*

Type: Object

Refernce Object: */axapi/v3/network/icmpv6-rate-limit*

lacp

Description: lacp is a **JSON Block**. Please see below for *lacp*

Type: Object

Refernce Object: */axapi/v3/network/lacp*

lacp-passthrough-list

Type: List

Refernce Object: */axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}*

lif-stats

Description: lif-stats is a **JSON Block**. Please see below for *lif-stats*

Type: Object

Refernce Object: /axapi/v3/network/lif-stats

lldp

Description: lldp is a **JSON Block**. Please see below for *lldp*

Type: Object

Refernce Object: */axapi/v3/network/lldp*

mac-address

Description: mac-address is a **JSON Block**. Please see below for *mac-address*

Type: Object

Refernce Object: */axapi/v3/network/mac-address*

mac-age-time

Description: mac-age-time is a **JSON Block**. Please see below for *mac-age-time*

Type: Object

Refernce Object: */axapi/v3/network/mac-age-time*

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *spanning-tree*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree*

trunk

Description: trunk is a **JSON Block**. Please see below for *trunk*

Type: Object

Refernce Object: */axapi/v3/network/trunk*

twamp

Description: twamp is a **JSON Block**. Please see below for *twamp*

Type: Object

Refernce Object: */axapi/v3/network/twamp*

ve-stats

Description: ve-stats is a **JSON Block**. Please see below for *ve-stats*

Type: Object

Refernce Object: /axapi/v3/network/ve-stats

virtual-wire-ethernet-group-list

Type: List

Refernce Object: */axapi/v3/network/virtual-wire-ethernet-group/{group-id}*

virtual-wire-global

Description: virtual-wire-global is a **JSON Block**. Please see below for *virtual-wire-global*

Type: Object

Refernce Object: */axapi/v3/network/virtual-wire-global*

virtual-wire-list

Type: List

Refernce Object: */axapi/v3/network/virtual-wire/{virtual-wire-id}*

vlan-global

Description: vlan-global is a **JSON Block**. Please see below for *vlan-global*

Type: Object

Refernce Object: */axapi/v3/network/vlan-global*

vlan-list

Type: List

Refernce Object: */axapi/v3/network/vlan/{vlan-num}*

arp

Specification	
Type	*object*

dynamic

Description: dynamic is a **JSON Block**. Please see below for *arp_dynamic*

Type: Object

Refernce Object: */axapi/v3/network/arp/dynamic*

static-list

Type: List

Refernce Object: */axapi/v3/network/arp/static/{ip-addr}+{vlan}*

arp_dynamic

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

arp_static-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

ip-addr

Description IP address

Type: string

Format: ipv4-address

mac-addr

Description MAC address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

bpdu-fwd-group-list

Specification	
Type	*list*
Block object keys	

bpdu-fwd-group-number

Description

Type: number

Range: 1-8

ethernet-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bpdu-fwd-group-list_ethernet-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet Port

Type: number

Format: interface

ethernet-start

Description Ethernet Port (Interface number)

Type: number

Format: interface

vlan-global

Specification	
Type	*object*

enable-def-vlan-l2-forwarding

Description Enable layer 2 forwarding on default vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'xparent_vlan_list_err': Transparent Mode VLAN List Errors;

Type: string

Supported Values: all, xparent_vlan_list_err

lacp

Specification	
Type	*object*

system-priority

Description LACP system priority (LACP system priority, 1-65535, default 32768)

Type: number

Range: 1-65535

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

twamp

Specification	
Type	*object*

responder

Description: responder is a **JSON Block**. Please see below for *twamp_responder*

Type: Object

Refernce Object: */axapi/v3/network/twamp/responder*

twamp_responder

Specification	
Type	*object*

enable-both-ip-ipv6

Description Enable both IP and IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-both-ip-ipv6 enable-ip and enable-ipv6 are mutually exclusive

enable-ip

Description Enable IP TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ip enable-ipv6 and enable-both-ip-ipv6 are mutually exclusive

enable-ipv6

Description Enable IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ipv6 enable-ip and enable-both-ip-ipv6 are mutually exclusive

ip

Description: ip is a **JSON Block**. Please see below for *twamp_responder_ip*

Type: Object

Refernce Object: */axapi/v3/network/twamp/responder/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *twamp_responder_ipv6*

Type: Object

Refernce Object: */axapi/v3/network/twamp/responder/ipv6*

port

Description Port number

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

twamp_responder_ip

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

acl-name

Description Apply a named access list (Access List name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name and acl-id are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

twamp_responder_ipv6

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

lif-stats

Specification	
Type	*object*

enable

Description Enable LIF interface stats generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp

Specification	
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *lldp_enable-cfg*

Type: Object

management-address

Description: management-address is a **JSON Block**. Please see below for *lldp_management-address*

Type: Object

Refernce Object: */axapi/v3/network/lldp/management-address*

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *lldp_notification-cfg*

Type: Object

system-description

Description Configure lldp system description

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

system-name

Description Configure lldp system name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

tx-set

Description: tx-set is a **JSON Block**. Please see below for *lldp_tx-set*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_management-address

Specification	
Type	*object*

dns-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/dns/{dns}*

ipv4-addr-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}*

ipv6-addr-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}*

lldp_management-address_ipv6-addr-list

Specification	
Type	*list*
Block object keys	

interface-ipv6

Description: interface-ipv6 is a **JSON Block**. Please see below for *lldp_management-address_ipv6-addr-list_interface-ipv6*

Type: Object

ipv6

Description Configure lldp management-address, subtype is ipv6 (lldp management-address ipv6 address)

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_management-address_ipv6-addr-list_interface-ipv6

Specification	
Type	*object*

ipv6-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv6-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

lldp_management-address_ipv4-addr-list

Specification	
Type	*list*
Block object keys	

interface-ipv4

Description: interface-ipv4 is a **JSON Block**. Please see below for *lldp_management-address_ipv4-addr-list_interface-ipv4*

Type: Object

ipv4

Description Configure lldp management-address, subtype is ipv4 (lldp management-address ipv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_management-address_ipv4-addr-list_interface-ipv4

Specification	
Type	*object*

ipv4-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv4-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

lldp_management-address_dns-list

Specification	
Type	*list*
Block object keys	

dns

Description Configure lldp management-address, subtype is dns (lldp management-address dns address)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

interface

Description: interface is a **JSON Block**. Please see below for *lldp_management-address_dns-list_interface*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_management-address_dns-list_interface

Specification	
Type	*object*

ethernet

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

Mutual Exclusion: ethernet ve and management are mutually exclusive

management

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: management ethernet and ve are mutually exclusive

ve

Description configure lldp management-address interface management (lldp management-address interface port number)

Type: number

Range: 2-4094

Mutual Exclusion: ve ethernet and management are mutually exclusive

lldp_notification-cfg

Specification	
Type	*object*

interval

Description Configure lldp notification interval, default is 30 (The lldp notification interval value, default is 30)

Type: number

Range: 5-3600

Default: 30

notification

Description Enable lldp notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_tx-set

Specification	
Type	*object*

fast-count

Description Configure lldp tx fast count value (The lldp tx fast count value, default is 4)

Type: number

Range: 1-8

Default: 4

fast-interval

Description Configure lldp tx fast interval value (The lldp tx fast interval value, default is 1)

Type: number

Range: 1-3600

Default: 1

hold

Description Configure lldp tx hold multiplier (The lldp tx hold value, default is 4)

Type: number

Range: 1-10

Default: 4

reinit-delay

Description Configure lldp tx reinit delay (The lldp tx reinit_delay value, default is 2)

Type: number

Range: 1-10

Default: 2

tx-interval

Description Configure lldp tx interval (The lldp tx interval value, default is 30)

Type: number

Range: 1-3600

Default: 30

lldp_enable-cfg

Specification	
Type	*object*

enable

Description Enable lldp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

arp-timeout

Specification	
Type	*object*

timeout

Description ARP entry timeout

Type: number

Range: 60-86400

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd

Specification	
Type	*object*

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

Default: 800

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

Default: 800

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

Default: 4

mac-age-time

Specification	
Type	*object*

aging-time

Description Set aging period in seconds for all MAC interfaces (default 300 seconds)

Type: number

Range: 10-600

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-list

Specification	
Type	*list*
Block object keys	

eth1

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

eth2

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

group1

Description

Type: number

Range: 1-16

Refernce Object: */axapi/v3/network/virtual-wire-ethernet-group*

group2

Description

Type: number

Range: 1-16

Refernce Object: */axapi/v3/network/virtual-wire-ethernet-group*

trunk1

Description

Type: number

Range: 1-4096

Refernce Object: */axapi/v3/interface/trunk*

trunk2

Description

Type: number

Range: 1-4096

Refernce Object: */axapi/v3/interface/trunk*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-id

Description virtual wire id

Type: number

Range: 1-32

bridge-vlan-group-list

Specification	
Type	*list*
Block object keys	

bridge-vlan-group-number

Description Bridge VLAN Group Number

Type: number

Range: 1-255

forward-traffic

Description 'forward-all-traffic': Forward all traffic between bridge members; 'forward-ip-traffic': Forward only IP traffic between bridge members (default);

Type: string

Supported Values: forward-all-traffic, forward-ip-traffic

Default: forward-ip-traffic

name

Description Bridge Group Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet Port (Virtual Ethernet Port number)

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

vlan-list

Type: List

bridge-vlan-group-list_vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description VLAN id

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN id

Type: number

Refernce Object: */axapi/v3/network/vlan*

mac-address

Specification	
Type	*object*

dynamic

Description: dynamic is a **JSON Block**. Please see below for *mac-address_dynamic*

Type: Object

Refernce Object: */axapi/v3/network/mac-address/dynamic*

static-list

Type: List

Refernce Object: */axapi/v3/network/mac-address/static/{mac}+{vlan}*

mac-address_dynamic

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mac-address_static-list

Specification	
Type	*list*
Block object keys	

dest

Description Trap MAC with this DA to CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac

Description Configure a Static MAC address

Type: string

Format: mac-address

port

Description Ethernet Port on which the Address is applicable (Port Value (Defualt VLAN is 1))

Type: number

Format: interface

redirect-dummy-mac

Description Dummy for redirect use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN Id

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

spanning-tree

Specification	
Type	*object*

mode

Description: mode is a **JSON Block**. Please see below for *spanning-tree_mode*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode*

spanning-tree_mode

Specification	
Type	*object*

info

Description: info is a **JSON Block**. Please see below for *spanning-tree_mode_info*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/info*

interface

Description: interface is a **JSON Block**. Please see below for *spanning-tree_mode_interface*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/interface*

mstp

Description: mstp is a **JSON Block**. Please see below for *spanning-tree_mode_mstp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/mstp*

rstp

Description: rstp is a **JSON Block**. Please see below for *spanning-tree_mode_rstp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/rstp*

stp

Description: stp is a **JSON Block**. Please see below for *spanning-tree_mode_stp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/stp*

spanning-tree_mode_info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_mode_interface

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_mode_stp

Specification	
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

spanning-tree_mode_rstp

Specification	
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

spanning-tree_mode_mstp

Specification	
Type	*object*

action

Description Enable spanning tree MSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list

Type: List

Refernce Object: */axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}*

priority

Description Set bridge priority

Type: number

Range: 0-61440

Default: 32768

revision-cfg

Description: revision-cfg is a **JSON Block**. Please see below for *spanning-tree_mode_mstp_revision-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_mode_mstp_revision-cfg

Specification	
Type	*object*

name

Description Set MSTP revision name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

revision

Description Set MSTP revision level and name

Type: number

Range: 0-65535

spanning-tree_mode_mstp_instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

spanning-tree_mode_mstp_instance-list_vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Refernce Object: */axapi/v3/network/vlan*

ve-stats

Specification	
Type	*object*

enable

Description Enable vlan ve interface stats generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-global

Specification	
Type	*object*

sampling-enable

Type: List

src-mac-learning

Description Update source mac information for all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update-active-vlan

Description 'all': all; 'l3-packet': l3-packet(default);

Type: string

Supported Values: all, l3-packet

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-update-period

Description Update period in second (default is 30)

Type: number

Range: 1-255

virtual-wire-global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'vlan-update': VLAN update; 'mac-update': MAC update;

Type: string

Supported Values: all, vlan-update, mac-update

virtual-wire-ethernet-group-list

Specification	
Type	*list*
Block object keys	

eth-list

Type: List

group-id

Description

Type: number

Range: 1-16

trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-ethernet-group-list_eth-list

Specification	
Type	*list*
Block object keys	

eth-end

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

eth-start

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

virtual-wire-ethernet-group-list_trunk-list

Specification	
Type	*list*
Block object keys	

trunk-end

Description

Type: number

Refernce Object: */axapi/v3/interface/trunk*

trunk-start

Description

Type: number

Refernce Object: */axapi/v3/interface/trunk*

trunk

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Specification	
Type	*list*
Block object keys	

name

Description VLAN name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

shared-vlan

Description Configure VLAN as a shared VLAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tagged-eth-list

Type: List

tagged-trunk-list

Type: List

traffic-distribution-mode

Description 'sip': sip; 'dip': dip; 'primary': primary; 'blade': blade; 'l4-src-port': l4-src-port; 'l4-dst-port': l4-dst-port;

Type: string

Supported Values: sip, dip, primary, blade, l4-src-port, l4-dst-port

untagged-eth-list

Type: List

untagged-lif

Description Logical tunnel interface (Logical tunnel interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

untagged-trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description ve number

Type: number

Range: 2-4094

vlan-num

Description VLAN number

Type: number

Range: 2-4094

vlan-list_untagged-trunk-list

Specification	
Type	*list*
Block object keys	

untagged-trunk-end

Description Trunk Group

Type: number

untagged-trunk-start

Description Trunk groups

Type: number

vlan-list_untagged-eth-list

Specification	
Type	*list*
Block object keys	

untagged-ethernet-end

Description Ethernet port

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

untagged-ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

vlan-list_tagged-eth-list

Specification	
Type	*list*
Block object keys	

tagged-ethernet-end

Description Ethernet port

Type: number

Format: interface

tagged-ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

vlan-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'broadcast_count': Broadcast counter; 'multicast_count': Multicast counter; 'ip_multicast_count': IP Multicast counter; 'unknown_unicast_count': Unknown Unicast counter; 'mac_movement_count': Mac Movement counter;

Type: string

Supported Values: all, broadcast_count, multicast_count, ip_multicast_count, unknown_unicast_count, mac_movement_count, shared_vlan_partition_switched_counter

vlan-list_tagged-trunk-list

Specification	
Type	*list*
Block object keys	

tagged-trunk-end

Description Trunk Group

Type: number

tagged-trunk-start

Description Trunk groups

Type: number

icmp-rate-limit

Specification	
Type	*object*

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-normal-rate-limit

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

available-trunk-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmpv6-rate-limit

Specification	
Type	*object*

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-normal-rate-limit

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lacp-passthrough-list

Specification	
Type	*list*
Block object keys	

peer-from

Description Peer member to forward received LACP packets

Type: number

Format: interface

peer-to

Description Peer member to forward received LACP packets

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.66.2 network arp

Configure ARP

arp Specification

Type	*Intermediate Resource*
Element Name	arp
Element URI	/axapi/v3/network/arp
Element Attributes	arp_attributes
Schema	`arp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/arp

arp_attributes

arp attributes

dynamic

Description: dynamic is a **JSON Block**. Please see below for *dynamic*

Type: Object

Refernce Object: */axapi/v3/network/arp/dynamic*

static-list

Type: List

Refernce Object: */axapi/v3/network/arp/static/{ip-addr}+{vlan}*

dynamic

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

ip-addr

Description IP address

Type: string

Format: ipv4-address

mac-addr

Description MAC address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

2.66.3 network arp static

static ARP Commands

static Specification

Type	*Collection*
Object Key(s)	*ip-addr, vlan*
Collection Name	*static-list*
Collection URI	/axapi/v3/network/arp/static
Element Name	static
Element URI	/axapi/v3/network/arp/static/{ip-addr}+{vlan}
Element Attributes	static_attributes
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/arp/static

static attributes

```
POST /axapi/v3/network/arp/static/
Payload:
{
    "static": {
        "ip-addr": "3.3.3.3",
        "mac-addr": "1000.2000.3000",
        "vlan": 2,
        "ethernet": 3
    }
}
```

Create List

POST

/axapi/v3/network/arp/static

static attributes

Get Object

GET

/axapi/v3/network/arp/static/{ip-addr}+{vlan}

static attributes

```
GET /axapi/v3/network/arp/static/3.3.3.3+2
Reponse:
{
```

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```
    "static": {
        "ip-addr": "3.3.3.3",
        "mac-addr": "1000.2000.3000",
        "ethernet": 3,
        "vlan": 2,
        "uuid": "9bf43a1c-60c9-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/network/arp/static/3.3.3.3+2"
    }
}
```

Get List

GET

/axapi/v3/network/arp/static

static-list

Modify Object

POST

/axapi/v3/network/arp/static/{ip-addr}+{vlan}

static attributes

Replace Object

PUT

/axapi/v3/network/arp/static/{ip-addr}+{vlan}

static attributes

Replace List

PUT

/axapi/v3/network/arp/static

static-list

Delete Object

DELETE

/axapi/v3/network/arp/static/{ip-addr}+{vlan}

static attributes

```
DELETE /axapi/v3/network/arp/static/3.3.3.3+2
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

ip-addr

Description IP address

Type: string

Format: ipv4-address

mac-addr

Description MAC address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

2.66.4 network arp-timeout

ARP entry timeout

arp-timeout Specification

Type	*Configuration Resource*
Element Name	arp-timeout
Element URI	/axapi/v3/network/arp-timeout
Element Attributes	arp-timeout_attributes
Schema	`arp-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/arp-timeout

arp-timeout attributes

```
POST /axapi/v3/network/arp-timeout
Payload:
{
    "arp-timeout": {
        "timeout": 60
    }
}
```

Get Object

GET

/axapi/v3/network/arp-timeout

arp-timeout attributes

```
GET /axapi/v3/network/arp-timeout
Reponse:
{
    "arp-timeout": {
        "timeout": 60,
        "uuid": "e2cb9b2c-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/network/arp-timeout"
    }
}
```

Modify Object

POST

/axapi/v3/network/arp-timeout

arp-timeout attributes

Replace Object

PUT

/axapi/v3/network/arp-timeout

arp-timeout attributes

```
PUT /axapi/v3/network/arp-timeout
Payload:
{
    "arp-timeout": {
        "timeout": 60
    }
}
```

Delete Object

DELETE

/axapi/v3/network/arp-timeout

arp-timeout attributes

```
DELETE /axapi/v3/network/arp-timeout
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

arp-timeout attributes

timeout

Description ARP entry timeout

Type: number

Range: 60-86400

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.66.5 network available-trunk-list

List of ethernet interfaces available in a partition

available-trunk-list Specification

Type	*Configuration Resource*
Element Name	available-trunk-list
Element URI	/axapi/v3/network/available-trunk-list
Element Attributes	available-trunk-list_attributes
Operational Data URI	/axapi/v3/network/available-trunk-list/oper
Schema	`available-trunk-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

Get Object

GET

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

Modify Object

POST

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

Replace Object

PUT

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

Delete Object

DELETE

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

available-trunk-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	if-list		if-list

2.66.6 network bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/network/bfd
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/bfd

bfd attributes

```
POST /axapi/v3/network/bfd
Payload:
{
    "bfd": {
        "echo": 1
    }
}
```

Get Object

GET

/axapi/v3/network/bfd

bfd attributes

```
GET /axapi/v3/network/bfd
Reponse:
{
    "bfd": {
        "echo": 1,
        "enable": 0,
        "interval-cfg": {
            "interval": 800,
            "min-rx": 800,
            "multiplier": 4
        },
        "uuid": "c0591e4a-60c9-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/network/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/network/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/network/bfd

bfd attributes

```
PUT /axapi/v3/network/bfd
Payload:
{
    "bfd": {
        "echo": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/network/bfd

bfd attributes

```
DELETE /axapi/v3/network/bfd
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bfd attributes

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interval-cfg

Specification	
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

Default: 800

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

Default: 800

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

Default: 4

2.66.7 network bpdu-fwd-group

STP BPDU forward Group Settings

bpdu-fwd-group Specification

Type	*Collection*
Object Key(s)	*bpdu-fwd-group-number*
Collection Name	*bpdu-fwd-group-list*
Collection URI	/axapi/v3/network/bpdu-fwd-group
Element Name	bpdu-fwd-group
Element URI	/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}
Element Attributes	bpdu-fwd-group_attributes
Schema	`bpdu-fwd-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/bpdu-fwd-group

bpdu-fwd-group attributes

```
POST /axapi/v3/network/bpdu-fwd-group/
Payload:
{
    "bpdu-fwd-group": {
        "bpdu-fwd-group-number": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/bpdu-fwd-group

bpdu-fwd-group attributes

Get Object

GET

/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}

bpdu-fwd-group attributes

```
GET /axapi/v3/network/bpdu-fwd-group/1
Reponse:
{
    "bpdu-fwd-group": {
        "bpdu-fwd-group-number": 1,
        "uuid": "d2380360-60c9-11d9-92b2-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/bpdu-fwd-group/1"
    }
}
```

Get List

GET

/axapi/v3/network/bpdu-fwd-group

bpdu-fwd-group-list

Modify Object

POST

/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}

bpdu-fwd-group attributes

Replace Object

PUT

/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}

bpdu-fwd-group attributes

```
PUT /axapi/v3/network/bpdu-fwd-group/1
Payload:
{
    "bpdu-fwd-group": {
        "bpdu-fwd-group-number": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/network/bpdu-fwd-group

bpdu-fwd-group-list

Delete Object

DELETE

/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}

bpdu-fwd-group attributes

```
DELETE /axapi/v3/network/bpdu-fwd-group/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bpdu-fwd-group-list

bpdu-fwd-group-list is **JSON List** of *bpdu-fwd-group attributes*

bpdu-fwd-group-list : [

{ *bpdu-fwd-group attributes* },

{ *bpdu-fwd-group attributes* },

...

]

bpdu-fwd-group attributes

bpdu-fwd-group-number

Description

Type: number

Range: 1-8

ethernet-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet Port

Type: number

Format: interface

ethernet-start

Description Ethernet Port (Interface number)

Type: number

Format: interface

2.66.8 network bridge-vlan-group

Bridge VLAN Group Settings

bridge-vlan-group Specification

Type	*Collection*
Object Key(s)	*bridge-vlan-group-number*
Collection Name	*bridge-vlan-group-list*
Collection URI	/axapi/v3/network/bridge-vlan-group
Element Name	bridge-vlan-group
Element URI	/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}
Element Attributes	bridge-vlan-group_attributes
Schema	`bridge-vlan-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/bridge-vlan-group

bridge-vlan-group attributes

```
POST /axapi/v3/network/bridge-vlan-group/
Payload:
{
    "bridge-vlan-group": {
        "bridge-vlan-group-number": 1,
        "user-tag": "a"
```

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```
    }
}
```

Create List

POST

/axapi/v3/network/bridge-vlan-group

bridge-vlan-group attributes

Get Object

GET

/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}

bridge-vlan-group attributes

```
GET /axapi/v3/network/bridge-vlan-group/1
Reponse:
{
    "bridge-vlan-group": {
        "bridge-vlan-group-number": 1,
        "forward-traffic": "forward-ip-traffic",
        "uuid": "e7f060f8-60c9-11d9-92b2-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/bridge-vlan-group/1"
    }
}
```

Get List

GET

/axapi/v3/network/bridge-vlan-group

bridge-vlan-group-list

Modify Object

POST

/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}

bridge-vlan-group attributes

Replace Object

PUT

/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}

bridge-vlan-group attributes

```
PUT /axapi/v3/network/bridge-vlan-group/1
Payload:
{
    "bridge-vlan-group": {
        "bridge-vlan-group-number": 1,
        "user-tag": "abcd"
```

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```
    }
}
```

Replace List

PUT

/axapi/v3/network/bridge-vlan-group

bridge-vlan-group-list

Delete Object

DELETE

/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}

bridge-vlan-group attributes

```
DELETE /axapi/v3/network/bridge-vlan-group/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bridge-vlan-group-list

bridge-vlan-group-list is **JSON List** of *bridge-vlan-group attributes*

bridge-vlan-group-list : [

{ *bridge-vlan-group attributes* },

{ *bridge-vlan-group attributes* },

...

]

bridge-vlan-group attributes

bridge-vlan-group-number

Description Bridge VLAN Group Number

Type: number

Range: 1-255

forward-traffic

Description 'forward-all-traffic': Forward all traffic between bridge members; 'forward-ip-traffic': Forward only IP traffic between bridge members (default);

Type: string

Supported Values: forward-all-traffic, forward-ip-traffic

Default: forward-ip-traffic

name

Description Bridge Group Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet Port (Virtual Ethernet Port number)

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

vlan-list

Type: List

vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description VLAN id

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN id

Type: number

Refernce Object: */axapi/v3/network/vlan*

2.66.9 network icmp-rate-limit

Limit the rate of ICMP packet

icmp-rate-limit Specification

Type	*Configuration Resource*
Element Name	icmp-rate-limit
Element URI	/axapi/v3/network/icmp-rate-limit
Element Attributes	icmp-rate-limit_attributes
Schema	`icmp-rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

```
POST /axapi/v3/network/icmp-rate-limit
Payload:
{
    "icmp-rate-limit": {
        "icmp-normal-rate-limit": 1,
        "icmp-lockup": 1,
        "icmp-lockup-period": 1
    }
}
```

Get Object

GET

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

```
GET /axapi/v3/network/icmp-rate-limit
Reponse:
{
    "icmp-rate-limit": {
        "icmp-normal-rate-limit": 1,
        "icmp-lockup": 1,
        "icmp-lockup-period": 1,
        "uuid": "85e83c0e-60ca-11d9-92b2-001fa00680a0",
```

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```
        "a10-url": "/axapi/v3/network/icmp-rate-limit"
    }
}
```

Modify Object

POST

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

Replace Object

PUT

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

```
PUT /axapi/v3/network/icmp-rate-limit
Payload:
{
    "icmp-rate-limit": {
        "icmp-normal-rate-limit": 1,
        "icmp-lockup": 2,
        "icmp-lockup-period": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

```
DELETE /axapi/v3/network/icmp-rate-limit
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp-rate-limit attributes

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-normal-rate-limit

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.66.10 network icmpv6-rate-limit

Limit the rate of ICMPv6 packet

icmpv6-rate-limit Specification

Type	*Configuration Resource*
Element Name	icmpv6-rate-limit
Element URI	/axapi/v3/network/icmpv6-rate-limit
Element Attributes	icmpv6-rate-limit_attributes
Schema	`icmpv6-rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

```
POST /axapi/v3/network/icmpv6-rate-limit
Payload:
{
    "icmpv6-rate-limit": {
        "icmpv6-normal-rate-limit": 1,
        "icmpv6-lockup-period": 1,
        "icmpv6-lockup": 1
    }
}
```

Get Object

GET

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

```
GET /axapi/v3/network/icmpv6-rate-limit
Reponse:
{
    "icmpv6-rate-limit": {
        "icmpv6-normal-rate-limit": 1,
        "icmpv6-lockup": 1,
        "icmpv6-lockup-period": 1,
        "uuid": "95790892-60ca-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/network/icmpv6-rate-limit"
    }
}
```

Modify Object

POST

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

Replace Object

PUT

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

```
PUT /axapi/v3/network/icmpv6-rate-limit
Payload:
{
    "icmpv6-rate-limit": {
        "icmpv6-normal-rate-limit": 1,
        "icmpv6-lockup-period": 2,
        "icmpv6-lockup": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

```
DELETE /axapi/v3/network/icmpv6-rate-limit
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

icmpv6-rate-limit attributes

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-normal-rate-limit

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.66.11 network lacp

LACP commands

lacp Specification

Type	*Configuration Resource*
Element Name	lacp
Element URI	/axapi/v3/network/lacp
Element Attributes	lacp_attributes
Schema	`lacp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lacp

lacp attributes

```
POST /axapi/v3/network/lacp
Payload:
{
    "lacp": {
        "system-priority": 1
    }
}
```

Get Object

GET

/axapi/v3/network/lacp

lacp attributes

```
GET /axapi/v3/network/lacp
Reponse:
{
    "lacp": {
        "system-priority": 1,
        "uuid": "e2cb960e-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/network/lacp"
    }
}
```

Modify Object

POST

/axapi/v3/network/lacp

lacp attributes

Replace Object

PUT

/axapi/v3/network/lacp

lacp attributes

```
PUT /axapi/v3/network/lacp
Payload:
{
    "lacp": {
        "system-priority": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/network/lacp

lacp attributes

```
DELETE /axapi/v3/network/lacp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lacp attributes

system-priority

Description LACP system priority (LACP system priority, 1-65535, default 32768)

Type: number

Range: 1-65535

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.66.12 network lacp-passthrough

Peer ports to forward received lacp packets

lacp-passthrough Specification

Type	*Collection*
Object Key(s)	*peer-from, peer-to*
Collection Name	*lacp-passthrough-list*
Collection URI	/axapi/v3/network/lacp-passthrough
Element Name	lacp-passthrough
Element URI	/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}
Element Attributes	lacp-passthrough_attributes
Schema	`lacp-passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lacp-passthrough

lacp-passthrough attributes

```
POST /axapi/v3/network/lacp-passthrough/
Payload:
{
    "lacp-passthrough": {
        "peer-from": 1,
        "peer-to": 2
    }
}
```

Create List

POST

/axapi/v3/network/lacp-passthrough

lacp-passthrough attributes

Get Object

GET

/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}

lacp-passthrough attributes

```
GET /axapi/v3/network/lacp-passthrough/1+2
Reponse:
{
    "lacp-passthrough": {
        "peer-from": 1,
        "peer-to": 2,
        "uuid": "b20524f0-60ca-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/network/lacp-passthrough/1+2"
    }
}
```

Get List

GET

/axapi/v3/network/lacp-passthrough

lacp-passthrough-list

Modify Object

POST

/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}

lacp-passthrough attributes

Replace Object

PUT

/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}

lacp-passthrough attributes

```
PUT /axapi/v3/network/lacp-passthrough/1+2
Payload:
{
    "lacp-passthrough": {
        "peer-from": 1,
        "peer-to": 2
    }
}
```

Replace List

PUT

/axapi/v3/network/lacp-passthrough

lacp-passthrough-list

Delete Object

DELETE

/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}

lacp-passthrough attributes

```
DELETE /axapi/v3/network/lacp-passthrough/1+2
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lacp-passthrough-list

lacp-passthrough-list is **JSON List** of *lacp-passthrough attributes*

lacp-passthrough-list : [

{ *lacp-passthrough attributes* },

{ *lacp-passthrough attributes* },

...

]

lacp-passthrough attributes

peer-from

Description Peer member to forward received LACP packets

Type: number

Format: interface

peer-to

Description Peer member to forward received LACP packets

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.66.13 network lldp

Configure LLDP

lldp Specification

Type	*Configuration Resource*
Element Name	lldp
Element URI	/axapi/v3/network/lldp
Element Attributes	lldp_attributes
Schema	`lldp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lldp

lldp attributes

```
POST /axapi/v3/network/lldp
Payload:
{
    "lldp": {
        "system-name": "a",
        "management-address": {
            "dns-list": [
                {
                    "dns": "a",
                    "interface": {
                        "ethernet": 1
                    }
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/network/lldp

lldp attributes

```
GET /axapi/v3/network/lldp
Reponse:
{
    "lldp": {
        "system-name": "a",
        "enable-cfg": {
            "enable": 0
        },
        "notification-cfg": {
            "notification": 0
        },
        "tx-set": {
            "fast-count": 4,
            "fast-interval": 1,
            "hold": 4,
            "tx-interval": 30,
            "reinit-delay": 2
        },
        "uuid": "c106f97e-60ca-11d9-92b2-001fa00680a0",
        "management-address": {
            "dns-list": [
                {
                    "dns": "a",
                    "interface": {
                        "ethernet": 1
                    },
                    "uuid": "c1081c8c-60ca-11d9-92b2-001fa00680a0",
                    "a10-url": "/axapi/v3/network/lldp/management-address/dns/a"
                }
            ],
            "a10-url": "/axapi/v3/network/lldp/management-address"
        },
        "a10-url": "/axapi/v3/network/lldp"
    }
}
```

Modify Object

POST

/axapi/v3/network/lldp

lldp attributes

Replace Object

PUT

/axapi/v3/network/lldp

lldp attributes

```
PUT /axapi/v3/network/lldp
Payload:
{
    "lldp": {
        "system-name": "abcd",
        "management-address": {
            "ipv4-addr-list": [
                {
                    "ipv4": "3.3.3.3",
                    "interface-ipv4": {
                        "ipv4-eth": 2
                    }
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/network/lldp

lldp attributes

```
DELETE /axapi/v3/network/lldp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lldp attributes

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *enable-cfg*

Type: Object

management-address

Description: management-address is a **JSON Block**. Please see below for *management-address*

Type: Object

Refernce Object: */axapi/v3/network/lldp/management-address*

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *notification-cfg*

Type: Object

system-description

Description Configure lldp system description

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

system-name

Description Configure lldp system name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

tx-set

Description: tx-set is a **JSON Block**. Please see below for *tx-set*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management-address

Specification	
Type	*object*

dns-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/dns/{dns}*

ipv4-addr-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}*

ipv6-addr-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}*

management-address_ipv6-addr-list

Specification	
Type	*list*
Block object keys	

interface-ipv6

Description: interface-ipv6 is a **JSON Block**. Please see below for *management-address_ipv6-addr-list_interface-ipv6*

Type: Object

ipv6

Description Configure lldp management-address, subtype is ipv6 (lldp management-address ipv6 address)

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management-address_ipv6-addr-list_interface-ipv6

Specification	
Type	*object*

ipv6-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv6-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

management-address_ipv4-addr-list

Specification	
Type	*list*
Block object keys	

interface-ipv4

Description: interface-ipv4 is a **JSON Block**. Please see below for *management-address_ipv4-addr-list_interface-ipv4*

Type: Object

ipv4

Description Configure lldp management-address, subtype is ipv4 (lldp management-address ipv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management-address_ipv4-addr-list_interface-ipv4

Specification	
Type	*object*

ipv4-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv4-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

management-address_dns-list

Specification	
Type	*list*
Block object keys	

dns

Description Configure lldp management-address, subtype is dns (lldp management-address dns address)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

interface

Description: interface is a **JSON Block**. Please see below for *management-address_dns-list_interface*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management-address_dns-list_interface

Specification	
Type	*object*

ethernet

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

Mutual Exclusion: ethernet ve and management are mutually exclusive

management

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: management ethernet and ve are mutually exclusive

ve

Description configure lldp management-address interface management (lldp management-address interface port number)

Type: number

Range: 2-4094

Mutual Exclusion: ve ethernet and management are mutually exclusive

notification-cfg

Specification	
Type	*object*

interval

Description Configure lldp notification interval, default is 30 (The lldp notification interval value, default is 30)

Type: number

Range: 5-3600

Default: 30

notification

Description Enable lldp notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-set

Specification	
Type	*object*

fast-count

Description Configure lldp tx fast count value (The lldp tx fast count value, default is 4)

Type: number

Range: 1-8

Default: 4

fast-interval

Description Configure lldp tx fast interval value (The lldp tx fast interval value, default is 1)

Type: number

Range: 1-3600

Default: 1

hold

Description Configure lldp tx hold multiplier (The lldp tx hold value, default is 4)

Type: number

Range: 1-10

Default: 4

reinit-delay

Description Configure lldp tx reinit delay (The lldp tx reinit_delay value, default is 2)

Type: number

Range: 1-10

Default: 2

tx-interval

Description Configure lldp tx interval (The lldp tx interval value, default is 30)

Type: number

Range: 1-3600

Default: 30

enable-cfg

Specification	
Type	*object*

enable

Description Enable lldp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.66.14 network lldp management-address

Configure lldp management address

management-address Specification

Type	*Intermediate Resource*
Element Name	management-address
Element URI	/axapi/v3/network/lldp/management-address
Element Attributes	management-address_attributes
Schema	`management-address schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/lldp/management-address

management-address_attributes

```
GET /axapi/v3/network/lldp/management-address
Reponse:
{
    "management-address": {
        "dns-list": [
            {
                "dns": "a",
                "interface": {
                    "ethernet": 1
                },
                "uuid": "e7c1aff0-60ca-11d9-92b2-001fa00680a0",
                "a10-url": "/axapi/v3/network/lldp/management-address/dns/a"
            }
        ],
        "a10-url": "/axapi/v3/network/lldp/management-address"
    }
}
```

management-address attributes

dns-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/dns/{dns}*

ipv4-addr-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}*

ipv6-addr-list

Type: List

Refernce Object: */axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}*

ipv6-addr-list

Specification	
Type	*list*
Block object keys	

interface-ipv6

Description: interface-ipv6 is a **JSON Block**. Please see below for *ipv6-addr-list_interface-ipv6*

Type: Object

ipv6

Description Configure lldp management-address, subtype is ipv6 (lldp management-address ipv6 address)

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-addr-list_interface-ipv6

Specification	
Type	*object*

ipv6-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv6-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

ipv4-addr-list

Specification	
Type	*list*
Block object keys	

interface-ipv4

Description: interface-ipv4 is a **JSON Block**. Please see below for *ipv4-addr-list_interface-ipv4*

Type: Object

ipv4

Description Configure lldp management-address, subtype is ipv4 (lldp management-address ipv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-addr-list_interface-ipv4

Specification	
Type	*object*

ipv4-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv4-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

dns-list

Specification	
Type	*list*
Block object keys	

dns

Description Configure lldp management-address, subtype is dns (lldp management-address dns address)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

interface

Description: interface is a **JSON Block**. Please see below for *dns-list_interface*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_interface

Specification	
Type	*object*

ethernet

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

Mutual Exclusion: ethernet ve and management are mutually exclusive

management

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: management ethernet and ve are mutually exclusive

ve

Description configure lldp management-address interface management (lldp management-address interface port number)

Type: number

Range: 2-4094

Mutual Exclusion: ve ethernet and management are mutually exclusive

2.66.15 network lldp management-address dns

Configure lldp management-address dns address

dns Specification

Type	*Collection*
Object Key(s)	*dns*
Collection Name	*dns-list*
Collection URI	/axapi/v3/network/lldp/management-address/dns
Element Name	dns
Element URI	/axapi/v3/network/lldp/management-address/dns/{dns}
Element Attributes	dns_attributes
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lldp/management-address/dns

dns attributes

```
POST /axapi/v3/network/lldp/management-address/dns/
Payload:
{
    "dns": {
        "dns": "a",
        "interface": {
            "ethernet": 1
        }
    }
}
```

Create List

POST

/axapi/v3/network/lldp/management-address/dns

dns attributes

Get Object

GET

/axapi/v3/network/lldp/management-address/dns/{dns}

dns attributes

```
GET /axapi/v3/network/lldp/management-address/dns/a
Reponse:
{
    "dns": {
        "dns": "a",
        "interface": {
            "ethernet": 1
        },
```

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```
        "uuid": "f8b22f56-60ca-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/network/lldp/management-address/dns/a"
    }
}
```

Get List

GET

/axapi/v3/network/lldp/management-address/dns

dns-list

Modify Object

POST

/axapi/v3/network/lldp/management-address/dns/{dns}

dns attributes

Replace Object

PUT

/axapi/v3/network/lldp/management-address/dns/{dns}

dns attributes

```
PUT /axapi/v3/network/lldp/management-address/dns/a
Payload:
{
    "dns": {
        "dns": "a",
        "interface": {
            "ethernet": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/network/lldp/management-address/dns

dns-list

Delete Object

DELETE

/axapi/v3/network/lldp/management-address/dns/{dns}

dns attributes

```
DELETE /axapi/v3/network/lldp/management-address/dns/a
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

dns-list

dns-list is **JSON List** of *dns attributes*

dns-list : [

{ *dns attributes* },

{ *dns attributes* },

...

]

dns attributes

dns

Description Configure lldp management-address, subtype is dns (lldp management-address dns address)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	
Type	*object*

ethernet

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

Mutual Exclusion: ethernet ve and management are mutually exclusive

management

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: management ethernet and ve are mutually exclusive

ve

Description configure lldp management-address interface management (lldp management-address interface port number)

Type: number

Range: 2-4094

Mutual Exclusion: ve ethernet and management are mutually exclusive

2.66.16 network lldp management-address ipv4-addr

Configure lldp management-address ipv4 address

ipv4-addr Specification

Type	*Collection*
Object Key(s)	*ipv4*
Collection Name	*ipv4-addr-list*
Collection URI	/axapi/v3/network/lldp/management-address/ipv4-addr
Element Name	ipv4-addr
Element URI	/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}
Element Attributes	ipv4-addr_attributes
Schema	`ipv4-addr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lldp/management-address/ipv4-addr

ipv4-addr attributes

```
POST /axapi/v3/network/lldp/management-address/ipv4-addr/
Payload:
{
    "ipv4-addr": {
        "ipv4": "3.3.3.3"
    }
}
```

Create List

POST

/axapi/v3/network/lldp/management-address/ipv4-addr

ipv4-addr attributes

Get Object

GET

/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}

ipv4-addr attributes

```
GET /axapi/v3/network/lldp/management-address/ipv4-addr/3.3.3.3
Reponse:
{
    "ipv4-addr": {
        "ipv4": "3.3.3.3",
        "interface-ipv4": {
            "ipv4-mgmt": 0
        },
        "uuid": "13fafe50-60cb-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/network/lldp/management-address/ipv4-addr/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/network/lldp/management-address/ipv4-addr

ipv4-addr-list

Modify Object

POST

/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}

ipv4-addr attributes

Replace Object

PUT

/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}

ipv4-addr attributes

```
PUT /axapi/v3/network/lldp/management-address/ipv4-addr/3.3.3.3
Payload:
{
    "ipv4-addr": {
        "ipv4": "3.3.3.3"
    }
}
```

Replace List

PUT

/axapi/v3/network/lldp/management-address/ipv4-addr

ipv4-addr-list

Delete Object

DELETE

/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}

ipv4-addr attributes

```
DELETE /axapi/v3/network/lldp/management-address/ipv4-addr/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv4-addr-list

ipv4-addr-list is **JSON List** of *ipv4-addr attributes*

ipv4-addr-list : [

{ *ipv4-addr attributes* },

{ *ipv4-addr attributes* },

...

]

ipv4-addr attributes

interface-ipv4

Description: interface-ipv4 is a **JSON Block**. Please see below for *interface-ipv4*

Type: Object

ipv4

Description Configure lldp management-address, subtype is ipv4 (lldp management-address ipv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface-ipv4

Specification	
Type	*object*

ipv4-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv4-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

2.66.17 network lldp management-address ipv6-addr

Configure lldp management-address ipv6 address

ipv6-addr Specification

Type	*Collection*
Object Key(s)	*ipv6*
Collection Name	*ipv6-addr-list*
Collection URI	/axapi/v3/network/lldp/management-address/ipv6-addr
Element Name	ipv6-addr
Element URI	/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}
Element Attributes	ipv6-addr_attributes
Schema	`ipv6-addr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lldp/management-address/ipv6-addr

ipv6-addr attributes

```
POST /axapi/v3/network/lldp/management-address/ipv6-addr/
Payload:
{
    "ipv6-addr": {
        "ipv6": "2003::1",
        "interface-ipv6": {
            "ipv6-eth": 1
        }
    }
}
```

Create List

POST

/axapi/v3/network/lldp/management-address/ipv6-addr

ipv6-addr attributes

Get Object

GET

/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}

ipv6-addr attributes

```
GET /axapi/v3/network/lldp/management-address/ipv6-addr/2003::1
Reponse:
{
    "ipv6-addr": {
        "ipv6": "2003::1",
        "interface-ipv6": {
            "ipv6-eth": 1,
            "ipv6-mgmt": 0
        },
        "uuid": "2f008986-60cb-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/network/lldp/management-address/ipv6-addr/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/network/lldp/management-address/ipv6-addr

ipv6-addr-list

Modify Object

POST

/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}

ipv6-addr attributes

Replace Object

PUT

/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}

ipv6-addr attributes

```
PUT /axapi/v3/network/lldp/management-address/ipv6-addr/2003::1
Payload:
{
    "ipv6-addr": {
        "ipv6": "2003::1",
        "interface-ipv6": {
            "ipv6-eth": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/network/lldp/management-address/ipv6-addr

ipv6-addr-list

Delete Object

DELETE

/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}

ipv6-addr attributes

```
DELETE /axapi/v3/network/lldp/management-address/ipv6-addr/2003::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6-addr-list

ipv6-addr-list is **JSON List** of *ipv6-addr attributes*

ipv6-addr-list : [

{ *ipv6-addr attributes* },

{ *ipv6-addr attributes* },

...

]

ipv6-addr attributes

interface-ipv6

Description: interface-ipv6 is a **JSON Block**. Please see below for *interface-ipv6*

Type: Object

ipv6

Description Configure lldp management-address, subtype is ipv6 (lldp management-address ipv6 address)

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface-ipv6

Specification	
Type	*object*

ipv6-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv6-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

2.66.18 network mac-address

Configure a MAC address

mac-address Specification

Type	*Intermediate Resource*
Element Name	mac-address
Element URI	/axapi/v3/network/mac-address
Element Attributes	mac-address_attributes
Schema	`mac-address schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/mac-address

mac-address_attributes

mac-address attributes

dynamic

Description: dynamic is a **JSON Block**. Please see below for *dynamic*

Type: Object

Refernce Object: */axapi/v3/network/mac-address/dynamic*

static-list

Type: List

Refernce Object: */axapi/v3/network/mac-address/static/{mac}+{vlan}*

dynamic

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-list

Specification	
Type	*list*
Block object keys	

dest

Description Trap MAC with this DA to CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac

Description Configure a Static MAC address

Type: string

Format: mac-address

port

Description Ethernet Port on which the Address is applicable (Port Value (Defualt VLAN is 1))

Type: number

Format: interface

redirect-dummy-mac

Description Dummy for redirect use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN Id

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

2.66.19 network mac-address static

Static MAC commands

static Specification

Type	*Collection*
Object Key(s)	*mac, vlan*
Collection Name	*static-list*
Collection URI	/axapi/v3/network/mac-address/static
Element Name	static
Element URI	/axapi/v3/network/mac-address/static/{mac}+{vlan}
Element Attributes	static_attributes
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/mac-address/static

static attributes

```
POST /axapi/v3/network/mac-address/static/
Payload:
{
    "static": {
        "mac": "1000.2000.3000",
        "port": 1,
        "vlan": 2,
        "dest": 1
    }
}
```

Create List

POST

/axapi/v3/network/mac-address/static

static attributes

Get Object

GET

/axapi/v3/network/mac-address/static/{mac}+{vlan}

static attributes

```
GET /axapi/v3/network/mac-address/static/1000.2000.3000+2
Reponse:
{
```

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```
    "static": {
        "mac": "1000.2000.3000",
        "port": 1,
        "vlan": 2,
        "dest": 1,
        "uuid": "56cd07f0-60cb-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/network/mac-address/static/1000.2000.3000+2"
    }
}
```

Get List

GET

/axapi/v3/network/mac-address/static

static-list

Modify Object

POST

/axapi/v3/network/mac-address/static/{mac}+{vlan}

static attributes

Replace Object

PUT

/axapi/v3/network/mac-address/static/{mac}+{vlan}

static attributes

```
PUT /axapi/v3/network/mac-address/static/1000.2000.3000+2
Payload:
{
    "static": {
        "mac": "1000.2000.3000",
        "port": 1,
        "vlan": 2,
        "dest": 0
    }
}
```

Replace List

PUT

/axapi/v3/network/mac-address/static

static-list

Delete Object

DELETE

/axapi/v3/network/mac-address/static/{mac}+{vlan}

static attributes

```
DELETE /axapi/v3/network/mac-address/static/1000.2000.3000+2
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

dest

Description Trap MAC with this DA to CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac

Description Configure a Static MAC address

Type: string

Format: mac-address

port

Description Ethernet Port on which the Address is applicable (Port Value (Defualt VLAN is 1))

Type: number

Format: interface

redirect-dummy-mac

Description Dummy for redirect use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN Id

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

2.66.20 network mac-age-time

Set Aging period for all MAC Interfaces

mac-age-time Specification

Type	*Configuration Resource*
Element Name	mac-age-time
Element URI	/axapi/v3/network/mac-age-time
Element Attributes	mac-age-time_attributes
Schema	`mac-age-time schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/mac-age-time

mac-age-time attributes

```
POST /axapi/v3/network/mac-age-time
Payload:
{
    "mac-age-time": {
        "aging-time": 10
    }
}
```

Get Object

GET

/axapi/v3/network/mac-age-time

mac-age-time attributes

```
GET /axapi/v3/network/mac-age-time
Reponse:
{
    "mac-age-time": {
        "aging-time": 10,
        "uuid": "e2cb999c-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/network/mac-age-time"
    }
}
```

Modify Object

POST

/axapi/v3/network/mac-age-time

mac-age-time attributes

Replace Object

PUT

/axapi/v3/network/mac-age-time

mac-age-time attributes

```
PUT /axapi/v3/network/mac-age-time
Payload:
{
    "mac-age-time": {
        "aging-time": 10
    }
}
```

Delete Object

DELETE

/axapi/v3/network/mac-age-time

mac-age-time attributes

```
DELETE /axapi/v3/network/mac-age-time
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

mac-age-time attributes

aging-time

Description Set aging period in seconds for all MAC interfaces (default 300 seconds)

Type: number

Range: 10-600

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.66.21 network spanning-tree

spanning tree protocol config

spanning-tree Specification

Type	*Intermediate Resource*
Element Name	spanning-tree
Element URI	/axapi/v3/network/spanning-tree
Element Attributes	spanning-tree_attributes
Schema	`spanning-tree schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/spanning-tree

spanning-tree_attributes

spanning-tree attributes

mode

Description: mode is a **JSON Block**. Please see below for *mode*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode*

mode

Specification	
Type	*object*

info

Description: info is a **JSON Block**. Please see below for *mode_info*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/info*

interface

Description: interface is a **JSON Block**. Please see below for *mode_interface*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/interface*

mstp

Description: mstp is a **JSON Block**. Please see below for *mode_mstp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/mstp*

rstp

Description: rstp is a **JSON Block**. Please see below for *mode_rstp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/rstp*

stp

Description: stp is a **JSON Block**. Please see below for *mode_stp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/stp*

mode_info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mode_interface

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mode_stp

Specification	
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

mode_rstp

Specification	
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

mode_mstp

Specification	
Type	*object*

action

Description Enable spanning tree MSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list

Type: List

Refernce Object: */axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}*

priority

Description Set bridge priority

Type: number

Range: 0-61440

Default: 32768

revision-cfg

Description: revision-cfg is a **JSON Block**. Please see below for *mode_mstp_revision-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mode_mstp_revision-cfg

Specification	
Type	*object*

name

Description Set MSTP revision name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

revision

Description Set MSTP revision level and name

Type: number

Range: 0-65535

mode_mstp_instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

mode_mstp_instance-list_vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Refernce Object: */axapi/v3/network/vlan*

2.66.22 network spanning-tree mode

Configure spanning tree mode

mode Specification

Type	*Intermediate Resource*
Element Name	mode
Element URI	/axapi/v3/network/spanning-tree/mode
Element Attributes	mode_attributes
Schema	`mode schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/spanning-tree/mode

mode_attributes

mode attributes

info

Description: info is a **JSON Block**. Please see below for *info*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/info*

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/interface*

mstp

Description: mstp is a **JSON Block**. Please see below for *mstp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/mstp*

rstp

Description: rstp is a **JSON Block**. Please see below for *rstp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/rstp*

stp

Description: stp is a **JSON Block**. Please see below for *stp*

Type: Object

Refernce Object: */axapi/v3/network/spanning-tree/mode/stp*

info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stp

Specification	
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

rstp

Specification	
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

mstp

Specification	
Type	*object*

action

Description Enable spanning tree MSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list

Type: List

Refernce Object: */axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}*

priority

Description Set bridge priority

Type: number

Range: 0-61440

Default: 32768

revision-cfg

Description: revision-cfg is a **JSON Block**. Please see below for *mstp_revision-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mstp_revision-cfg

Specification	
Type	*object*

name

Description Set MSTP revision name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

revision

Description Set MSTP revision level and name

Type: number

Range: 0-65535

mstp_instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

mstp_instance-list_vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Refernce Object: */axapi/v3/network/vlan*

2.66.23 network spanning-tree mode info

Spanning tree mode info

info Specification

Type	*Configuration Resource*
Element Name	info
Element URI	/axapi/v3/network/spanning-tree/mode/info
Element Attributes	info_attributes
Operational Data URI	/axapi/v3/network/spanning-tree/mode/info/oper
Schema	`info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/info

info attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/info

info attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/info

info attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/info

info attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/info

info attributes

info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	instances		instances
	pack-ets_output	number	packets_output
	mode	string	mode
	pack-ets_input	number	packets_input

2.66.24 network spanning-tree mode interface

Spanning tree mode info

interface Specification

Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/network/spanning-tree/mode/interface
Element Attributes	interface_attributes
Operational Data URI	/axapi/v3/network/spanning-tree/mode/interface/oper
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

interface attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ports		ports

2.66.25 network spanning-tree mode mstp

Configure spanning tree protocol MST

mstp Specification

Type	*Configuration Resource*
Element Name	mstp
Element URI	/axapi/v3/network/spanning-tree/mode/mstp
Element Attributes	mstp_attributes
Schema	`mstp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

mstp attributes

action

Description Enable spanning tree MSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list

Type: List

Refernce Object: */axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}*

priority

Description Set bridge priority

Type: number

Range: 0-61440

Default: 32768

revision-cfg

Description: revision-cfg is a **JSON Block**. Please see below for *revision-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

revision-cfg

Specification	
Type	*object*

name

Description Set MSTP revision name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

revision

Description Set MSTP revision level and name

Type: number

Range: 0-65535

instance-list

Specification	
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

instance-list_vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Refernce Object: */axapi/v3/network/vlan*

2.66.26 network spanning-tree mode mstp instance

Enable spanning tree instance ID

instance Specification

Type	*Collection*
Object Key(s)	*instance-start*
Collection Name	*instance-list*
Collection URI	/axapi/v3/network/spanning-tree/mode/mstp/instance
Element Name	instance
Element URI	/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}
Element Attributes	instance_attributes
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/mstp/instance

instance attributes

Create List

POST

/axapi/v3/network/spanning-tree/mode/mstp/instance

instance attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}

instance attributes

Get List

GET

/axapi/v3/network/spanning-tree/mode/mstp/instance

instance-list

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}

instance attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}

instance attributes

Replace List

PUT

/axapi/v3/network/spanning-tree/mode/mstp/instance

instance-list

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}

instance attributes

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Refernce Object: */axapi/v3/network/vlan*

2.66.27 network spanning-tree mode rstp

Configure spanning tree protocol RSTP

rstp Specification

Type	*Configuration Resource*
Element Name	rstp
Element URI	/axapi/v3/network/spanning-tree/mode/rstp
Element Attributes	rstp_attributes
Schema	`rstp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

rstp attributes

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

2.66.28 network spanning-tree mode stp

Configure spanning tree protocol STP

stp Specification

Type	*Configuration Resource*
Element Name	stp
Element URI	/axapi/v3/network/spanning-tree/mode/stp
Element Attributes	stp_attributes
Schema	`stp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

stp attributes

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

2.66.29 network trunk

Trunk Settings

trunk Specification

Type	*Configuration Resource*
Element Name	trunk
Element URI	/axapi/v3/network/trunk
Element Attributes	trunk_attributes
Operational Data URI	/axapi/v3/network/trunk/oper
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/trunk

trunk attributes

Get Object

GET

/axapi/v3/network/trunk

trunk attributes

Modify Object

POST

/axapi/v3/network/trunk

trunk attributes

Replace Object

PUT

/axapi/v3/network/trunk

trunk attributes

Delete Object

DELETE

/axapi/v3/network/trunk

trunk attributes

trunk attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	trunk		trunk

2.66.30 network twamp

Configure twamp

twamp Specification

Type	*Intermediate Resource*
Element Name	twamp
Element URI	/axapi/v3/network/twamp
Element Attributes	twamp_attributes
Schema	`twamp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/twamp

twamp_attributes

twamp attributes

responder

Description: responder is a **JSON Block**. Please see below for *responder*

Type: Object

Refernce Object: */axapi/v3/network/twamp/responder*

responder

Specification	
Type	*object*

enable-both-ip-ipv6

Description Enable both IP and IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-both-ip-ipv6 enable-ip and enable-ipv6 are mutually exclusive

enable-ip

Description Enable IP TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ip enable-ipv6 and enable-both-ip-ipv6 are mutually exclusive

enable-ipv6

Description Enable IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ipv6 enable-ip and enable-both-ip-ipv6 are mutually exclusive

ip

Description: ip is a **JSON Block**. Please see below for *responder_ip*

Type: Object

Refernce Object: */axapi/v3/network/twamp/responder/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *responder_ipv6*

Type: Object

Refernce Object: */axapi/v3/network/twamp/responder/ipv6*

port

Description Port number

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

responder_ip

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Apply a named access list (Access List name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name and acl-id are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

responder_ipv6

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

2.66.31 network twamp responder

Configure TWAMP responder

responder Specification

Type	*Configuration Resource*
Element Name	responder
Element URI	/axapi/v3/network/twamp/responder
Element Attributes	responder_attributes
Schema	`responder schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/twamp/responder

responder attributes

Get Object

GET

/axapi/v3/network/twamp/responder

responder attributes

Modify Object

POST

/axapi/v3/network/twamp/responder

responder attributes

Replace Object

PUT

/axapi/v3/network/twamp/responder

responder attributes

Delete Object

DELETE

/axapi/v3/network/twamp/responder

responder attributes

responder attributes

enable-both-ip-ipv6

Description Enable both IP and IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-both-ip-ipv6 enable-ip and enable-ipv6 are mutually exclusive

enable-ip

Description Enable IP TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ip enable-ipv6 and enable-both-ip-ipv6 are mutually exclusive

enable-ipv6

Description Enable IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ipv6 enable-ip and enable-both-ip-ipv6 are mutually exclusive

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/network/twamp/responder/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/network/twamp/responder/ipv6*

port

Description Port number

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Apply a named access list (Access List name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name and acl-id are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

2.66.32 network twamp responder ip

Configure TWAMP responder

ip Specification

Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/network/twamp/responder/ip
Element Attributes	ip_attributes
Statistics Data URI	/axapi/v3/network/twamp/responder/ip/stats
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/twamp/responder/ip

ip attributes

Get Object

GET

/axapi/v3/network/twamp/responder/ip

ip attributes

Modify Object

POST

/axapi/v3/network/twamp/responder/ip

ip attributes

Replace Object

PUT

/axapi/v3/network/twamp/responder/ip

ip attributes

Delete Object

DELETE

/axapi/v3/network/twamp/responder/ip

ip attributes

ip attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Apply a named access list (Access List name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name and acl-id are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	rx_pkts	8	Rx IP TWAMP test packets
	rx_acl_drop	8	Rx IP client-list drop
	no_route_err	8	Tx IP no route error drop
	rx_drop_not_enabled_v4	8	Rx IP disabled drop
	other_err	8	IP other error drop
	tx_pkts	8	Tx IP TWAMP test packets
	twamp_hdr_len_err	8	Rx TWAMP hdr length error drop

2.66.33 network twamp responder ipv6

Configure TWAMP responder

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/network/twamp/responder/ipv6
Element Attributes	ipv6_attributes
Statistics Data URI	/axapi/v3/network/twamp/responder/ipv6/stats
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

Modify Object

POST

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

Delete Object

DELETE

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

ipv6 attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

stats data

	Counter	Size	Description
	no_route_err_v6	8	Tx IPv6 no route error drop
	twamp_hdr_len_err_v6	8	Rx IPv6 TWAMP hdr length error drop
	tx_pkts_v6	8	Tx IPv6 TWAMP test packets
	other_err_v6	8	IPv6 Other error drop
	rx_drop_not_enabled_v6	8	Rx IPv6 disabled drop
	rx_pkts_v6	8	Rx IPv6 TWAMP test packets
	rx_acl_drop_v6	8	Rx IPv6 client-list drop

2.66.34 network virtual-wire

Configure Virtual Wire

virtual-wire Specification

Type	*Collection*
Object Key(s)	*virtual-wire-id*
Collection Name	*virtual-wire-list*
Collection URI	/axapi/v3/network/virtual-wire
Element Name	virtual-wire
Element URI	/axapi/v3/network/virtual-wire/{virtual-wire-id}
Element Attributes	virtual-wire_attributes
Operational Data URI	/axapi/v3/network/virtual-wire/{virtual-wire-id}/oper
Schema	`virtual-wire schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire

virtual-wire attributes

Create List

POST

/axapi/v3/network/virtual-wire

virtual-wire attributes

Get Object

GET

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

Get List

GET

/axapi/v3/network/virtual-wire

virtual-wire-list

Modify Object

POST

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

Replace List

PUT

/axapi/v3/network/virtual-wire

virtual-wire-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

virtual-wire-list

virtual-wire-list is **JSON List** of *virtual-wire attributes*

virtual-wire-list : [

{ *virtual-wire attributes* },

{ *virtual-wire attributes* },

...

]

virtual-wire attributes

eth1

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

eth2

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

group1

Description

Type: number

Range: 1-16

Refernce Object: */axapi/v3/network/virtual-wire-ethernet-group*

group2

Description

Type: number

Range: 1-16

Refernce Object: */axapi/v3/network/virtual-wire-ethernet-group*

trunk1

Description

Type: number

Range: 1-4096

Refernce Object: */axapi/v3/interface/trunk*

trunk2

Description

Type: number

Range: 1-4096

Refernce Object: */axapi/v3/interface/trunk*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-id

Description virtual wire id

Type: number

Range: 1-32

operational data

	Counter	Size	Description
	endpoints		endpoints
	vir-tual_wire_status	enum	Output contains one of the following values: - Up, Down

2.66.35 network virtual-wire-ethernet-group

virtual-wire-ethernet-group Specification

Type	*Collection*
Object Key(s)	*group-id*
Collection Name	*virtual-wire-ethernet-group-list*
Collection URI	/axapi/v3/network/virtual-wire-ethernet-group
Element Name	virtual-wire-ethernet-group
Element URI	/axapi/v3/network/virtual-wire-ethernet-group/{group-id}
Element Attributes	virtual-wire-ethernet-group_attributes
Operational Data URI	/axapi/v3/network/virtual-wire-ethernet-group/{group-id}/oper
Schema	`virtual-wire-ethernet-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-ethernet-group

virtual-wire-ethernet-group attributes

Create List

POST

/axapi/v3/network/virtual-wire-ethernet-group

virtual-wire-ethernet-group attributes

Get Object

GET

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

Get List

GET

/axapi/v3/network/virtual-wire-ethernet-group

virtual-wire-ethernet-group-list

Modify Object

POST

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

Replace List

PUT

/axapi/v3/network/virtual-wire-ethernet-group

virtual-wire-ethernet-group-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

virtual-wire-ethernet-group-list

virtual-wire-ethernet-group-list is **JSON List** of *virtual-wire-ethernet-group attributes*

virtual-wire-ethernet-group-list : [

{ *virtual-wire-ethernet-group attributes* },

{ *virtual-wire-ethernet-group attributes* },

...

]

virtual-wire-ethernet-group attributes

eth-list

Type: List

group-id

Description

Type: number

Range: 1-16

trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

eth-list

Specification	
Type	*list*
Block object keys	

eth-end

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

eth-start

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

trunk-list

Specification	
Type	*list*
Block object keys	

trunk-end

Description

Type: number

Refernce Object: */axapi/v3/interface/trunk*

trunk-start

Description

Type: number

Refernce Object: */axapi/v3/interface/trunk*

operational data

	Counter	Size	Description
	group_status	enum	Output contains one of the following values: - Up, Down
	lead_port	number	lead_port
	eth_member_status		eth_member_status
	trunk_member_status		trunk_member_status

2.66.36 network virtual-wire-global

Virtual Wire Global Configuration

virtual-wire-global Specification

Type	*Configuration Resource*
Element Name	virtual-wire-global
Element URI	/axapi/v3/network/virtual-wire-global
Element Attributes	virtual-wire-global_attributes
Statistics Data URI	/axapi/v3/network/virtual-wire-global/stats
Operational Data URI	/axapi/v3/network/virtual-wire-global/oper
Schema	`virtual-wire-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

Get Object

GET

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

Modify Object

POST

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

Delete Object

DELETE

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

virtual-wire-global attributes

sampling-enable

Type: List

src-mac-learning

Description Update source mac information for all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update-active-vlan

Description 'all': all; 'l3-packet': l3-packet(default);

Type: string

Supported Values: all, l3-packet

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-update-period

Description Update period in second (default is 30)

Type: number

Range: 1-255

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'vlan-update': VLAN update; 'mac-update': MAC update;

Type: string

Supported Values: all, vlan-update, mac-update

stats data

	Counter	Size	Description
	vlan-update	8	VLAN update
	mac-update	8	MAC update

operational data

	Counter	Size	Description
	vlan_group		vlan_group

2.66.37 network vlan

Configure VLAN

vlan Specification

Type	*Collection*
Object Key(s)	*vlan-num*
Collection Name	*vlan-list*
Collection URI	/axapi/v3/network/vlan
Element Name	vlan
Element URI	/axapi/v3/network/vlan/{vlan-num}
Element Attributes	vlan_attributes
Statistics Data URI	/axapi/v3/network/vlan/{vlan-num}/stats
Operational Data URI	/axapi/v3/network/vlan/{vlan-num}/oper
Schema	`vlan schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan

vlan attributes

```
POST /axapi/v3/network/vlan/
Payload:
{
    "vlan": {
        "vlan-num": 2,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/vlan

vlan attributes

Get Object

GET

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

```
GET /axapi/v3/network/vlan/2
Reponse:
{
    "vlan": {
        "vlan-num": 2,
        "shared-vlan": 0,
        "uuid": "d66be190-60f1-11d9-92b2-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/vlan/2"
    }
}
```

Get List

GET

/axapi/v3/network/vlan

vlan-list

Modify Object

POST

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

Replace Object

PUT

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

```
PUT /axapi/v3/network/vlan/2
Payload:
{
    "vlan": {
        "vlan-num": 2,
        "user-tag": "abc"
    }
}
```

Replace List

PUT

/axapi/v3/network/vlan

vlan-list

Delete Object

DELETE

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

```
DELETE /axapi/v3/network/vlan/2
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vlan-list

vlan-list is **JSON List** of *vlan attributes*

vlan-list : [

{ *vlan attributes* },

{ *vlan attributes* },

...

]

vlan attributes

name

Description VLAN name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

shared-vlan

Description Configure VLAN as a shared VLAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tagged-eth-list

Type: List

tagged-trunk-list

Type: List

traffic-distribution-mode

Description 'sip': sip; 'dip': dip; 'primary': primary; 'blade': blade; 'l4-src-port': l4-src-port; 'l4-dst-port': l4-dst-port;

Type: string

Supported Values: sip, dip, primary, blade, l4-src-port, l4-dst-port

untagged-eth-list

Type: List

untagged-lif

Description Logical tunnel interface (Logical tunnel interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

untagged-trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description ve number

Type: number

Range: 2-4094

vlan-num

Description VLAN number

Type: number

Range: 2-4094

untagged-trunk-list

Specification	
Type	*list*
Block object keys	

untagged-trunk-end

Description Trunk Group

Type: number

untagged-trunk-start

Description Trunk groups

Type: number

untagged-eth-list

Specification	
Type	*list*
Block object keys	

untagged-ethernet-end

Description Ethernet port

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

untagged-ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

tagged-eth-list

Specification	
Type	*list*
Block object keys	

tagged-ethernet-end

Description Ethernet port

Type: number

Format: interface

tagged-ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'broadcast_count': Broadcast counter; 'multicast_count': Multicast counter; 'ip_multicast_count': IP Multicast counter; 'unknown_unicast_count': Unknown Unicast counter; 'mac_movement_count': Mac Movement counter;

Type: string

Supported Values: all, broadcast_count, multicast_count, ip_multicast_count, unknown_unicast_count, mac_movement_count, shared_vlan_partition_switched_counter

tagged-trunk-list

Specification	
Type	*list*
Block object keys	

tagged-trunk-end

Description Trunk Group

Type: number

tagged-trunk-start

Description Trunk groups

Type: number

stats data

	Counter	Size	Description
	shared_vlan_partition_switched_counter	4	SVLAN Partition switched counter
	un-known_unicast_count	4	Unknown Unicast counter
	broad-cast_count	4	Broadcast counter
	mac_movement_count	4	Mac Movement counter
	multi-cast_count	4	Multicast counter
	ip_multicast_count	4	IP Multicast counter

operational data

	Counter	Size	Description
	span-tree	string	span-tree
	tagg_eth_ports		tagg_eth_ports
	vlan_name	string	vlan_name
	un_tagg_logical_ports		un_tagg_logical_ports
	tagg_logical_ports		tagg_logical_ports
	ve_num	number	ve_num
	is_shared_vlan	string	is_shared_vlan
	un_tagg_eth_ports		un_tagg_eth_ports

2.66.38 network vlan-global

Configure global options for vlan

vlan-global Specification

Type	*Configuration Resource*
Element Name	vlan-global
Element URI	/axapi/v3/network/vlan-global
Element Attributes	vlan-global_attributes
Statistics Data URI	/axapi/v3/network/vlan-global/stats
Operational Data URI	/axapi/v3/network/vlan-global/oper
Schema	`vlan-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan-global

vlan-global attributes

```
POST /axapi/v3/network/vlan-global
Payload:
{
    "vlan-global": {
        "enable-def-vlan-l2-forwarding": 1
    }
}
```

Get Object

GET

/axapi/v3/network/vlan-global

vlan-global attributes

```
GET /axapi/v3/network/vlan-global
Reponse:
{
    "vlan-global": {
        "enable-def-vlan-l2-forwarding": 1,
        "l3-vlan-fwd-disable": 0,
        "uuid": "6222f586-60aa-11d9-b2a5-7f64d67a548c",
        "a10-url": "/axapi/v3/network/vlan-global"
    }
}
```

Modify Object

POST

/axapi/v3/network/vlan-global

vlan-global attributes

Replace Object

PUT

/axapi/v3/network/vlan-global

vlan-global attributes

```
PUT /axapi/v3/network/vlan-global
Payload:
{
    "vlan-global": {
        "enable-def-vlan-l2-forwarding": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/network/vlan-global

vlan-global attributes

```
DELETE /axapi/v3/network/vlan-global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vlan-global attributes

enable-def-vlan-l2-forwarding

Description Enable layer 2 forwarding on default vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'xparent_vlan_list_err': Transparent Mode VLAN List Errors;

Type: string

Supported Values: all, xparent_vlan_list_err

stats data

	Counter	Size	Description
	xpar-ent_vlan_list_err	4	Transparent Mode VLAN List Errors

operational data

	Counter	Size	Description
	vlan-trans-list		vlan-trans-list

2.67 ntp

Objects:

2.67.1 ntp

Network Time Protocol configuration

ntp Specification

Type	*Intermediate Resource*
Element Name	ntp
Element URI	/axapi/v3/ntp
Element Attributes	ntp_attributes
Schema	`ntp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ntp

ntp_attributes

ntp attributes

auth-key-list

Type: List

Refernce Object: */axapi/v3/ntp/auth-key/{key}*

ntp-global

Description: ntp-global is a **JSON Block**. Please see below for *ntp-global*

Type: Object

Refernce Object: */axapi/v3/ntp/ntp-global*

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Refernce Object: */axapi/v3/ntp/server*

trusted-key-list

Type: List

Refernce Object: */axapi/v3/ntp/trusted-key/{key}*

auth-key-list

Specification	
Type	*list*
Block object keys	

alg-type

Description 'M': encryption using MD5; 'SHA': encryption using SHA; 'SHA1': encryption using SHA1;

Type: string

Supported Values: M, SHA, SHA1

asc-key

Description

Type: string

Format: password

Maximum Length: 20 characters

Maximum Length: 1 characters

Mutual Exclusion: asc-key and hex-key are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: encrypted and hex-encrypted are mutually exclusive

hex-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: hex-encrypted and encrypted are mutually exclusive

hex-key

Description

Type: string

Format: password

Maximum Length: 40 characters

Maximum Length: 21 characters

Mutual Exclusion: hex-key and asc-key are mutually exclusive

key

Description authentication key

Type: number

Range: 1-65535

key-type

Description 'ascii': key string in ASCII form; 'hex': key string in hex form;

Type: string

Supported Values: ascii, hex

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trusted-key-list

Specification	
Type	*list*
Block object keys	

key

Description trusted key

Type: number

Range: 1-65535

Refernce Object: */axapi/v3/ntp/auth-key*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ntp-global

Specification	
Type	*object*

allow-data-ports

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server

Specification	
Type	*object*

hostname-list

Type: List

Refernce Object: */axapi/v3/ntp/server/hostname/{host-servername}*

server_hostname-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this NTP server; 'disable': Disable this NTP server;

Type: string

Supported Values: enable, disable

Default: enable

host-servername

Description IPV4 address, IPV6 address or host name of NTP server(string1~63)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

key

Description Use trusted key to authenticate this NTP server (The trusted key number to use)

Type: number

Range: 1-65535

Refernce Object: */axapi/v3/ntp/trusted-key*

prefer

Description Set this NTP server as preferred

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.2 ntp auth-key

authentication key

auth-key Specification

Type	*Collection*
Object Key(s)	*key*
Collection Name	*auth-key-list*
Collection URI	/axapi/v3/ntp/auth-key
Element Name	auth-key
Element URI	/axapi/v3/ntp/auth-key/{key}
Element Attributes	auth-key_attributes
Schema	`auth-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp/auth-key

auth-key attributes

```
POST /axapi/v3/ntp/auth-key/
Payload:
{
    "auth-key": {
        "key-type": "ascii",
        "alg-type": "M",
        "key": 1,
        "asc-key": "a"
    }
}
```

Create List

POST

/axapi/v3/ntp/auth-key

auth-key attributes

Get Object

GET

/axapi/v3/ntp/auth-key/{key}

auth-key attributes

```
GET /axapi/v3/ntp/auth-key/1
Reponse:
{
    "auth-key": {
        "key": 1,
        "alg-type": "M",
        "key-type": "ascii",
        "encrypted": "48GdldXBUxk8EIy41dsA5zwQjLjV2wDnPBCMuNXbAOc8EIy41dsA5zwQjLjV2wDn
↪",
        "uuid": "53591b9c-5bf1-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/ntp/auth-key/1"
    }
}
```

Get List

GET

/axapi/v3/ntp/auth-key

auth-key-list

Modify Object

POST

/axapi/v3/ntp/auth-key/{key}

auth-key attributes

Replace Object

PUT

/axapi/v3/ntp/auth-key/{key}

auth-key attributes

```
PUT /axapi/v3/ntp/auth-key/1
Payload:
{
    "auth-key": {
        "key-type": "hex",
        "alg-type": "SHA",
        "key": 1,
        "hex-key": "aaaaaaaaaaaaaaaaaaaab"
    }
}
```

Replace List

PUT

/axapi/v3/ntp/auth-key

auth-key-list

Delete Object

DELETE

/axapi/v3/ntp/auth-key/{key}

auth-key attributes

```
DELETE /axapi/v3/ntp/auth-key/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

auth-key-list

auth-key-list is **JSON List** of *auth-key attributes*

auth-key-list : [

{ *auth-key attributes* },

{ *auth-key attributes* },

...

]

auth-key attributes

alg-type

Description 'M': encryption using MD5; 'SHA': encryption using SHA; 'SHA1': encryption using SHA1;

Type: string

Supported Values: M, SHA, SHA1

asc-key

Description

Type: string

Format: password

Maximum Length: 20 characters

Maximum Length: 1 characters

Mutual Exclusion: asc-key and hex-key are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: encrypted and hex-encrypted are mutually exclusive

hex-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: hex-encrypted and encrypted are mutually exclusive

hex-key

Description

Type: string

Format: password

Maximum Length: 40 characters

Maximum Length: 21 characters

Mutual Exclusion: hex-key and asc-key are mutually exclusive

key

Description authentication key

Type: number

Range: 1-65535

key-type

Description 'ascii': key string in ASCII form; 'hex': key string in hex form;

Type: string

Supported Values: ascii, hex

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.3 ntp ntp-global

ntp global settings

ntp-global Specification

Type	*Configuration Resource*
Element Name	ntp-global
Element URI	/axapi/v3/ntp/ntp-global
Element Attributes	ntp-global_attributes
Schema	`ntp-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp/ntp-global

ntp-global attributes

Get Object

GET

/axapi/v3/ntp/ntp-global

ntp-global attributes

Modify Object

POST

/axapi/v3/ntp/ntp-global

ntp-global attributes

Replace Object

PUT

/axapi/v3/ntp/ntp-global

ntp-global attributes

Delete Object

DELETE

/axapi/v3/ntp/ntp-global

ntp-global attributes

ntp-global attributes

allow-data-ports

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.4 ntp server

Set NTP time server

server Specification

Type	*Intermediate Resource*
Element Name	server
Element URI	/axapi/v3/ntp/server
Element Attributes	server_attributes
Schema	`server schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ntp/server

server_attributes

server attributes

hostname-list

Type: List

Refernce Object: */axapi/v3/ntp/server/hostname/{host-servername}*

hostname-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this NTP server; 'disable': Disable this NTP server;

Type: string

Supported Values: enable, disable

Default: enable

host-servername

Description IPV4 address, IPV6 address or host name of NTP server(string1~63)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

key

Description Use trusted key to authenticate this NTP server (The trusted key number to use)

Type: number

Range: 1-65535

Refernce Object: */axapi/v3/ntp/trusted-key*

prefer

Description Set this NTP server as preferred

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.5 ntp server hostname

IPV4 address, IPV6 address or host name of NTP server

hostname Specification

Type	*Collection*
Object Key(s)	*host-servername*
Collection Name	*hostname-list*
Collection URI	/axapi/v3/ntp/server/hostname
Element Name	hostname
Element URI	/axapi/v3/ntp/server/hostname/{host-servername}
Element Attributes	hostname_attributes
Schema	`hostname schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp/server/hostname

hostname attributes

```
POST /axapi/v3/ntp/server/hostname/
Payload:
{
    "hostname": {
        "host-servername": "a",
        "key": 1
    }
}
```

Create List

POST

/axapi/v3/ntp/server/hostname

hostname attributes

Get Object

GET

/axapi/v3/ntp/server/hostname/{host-servername}

hostname attributes

```
GET /axapi/v3/ntp/server/hostname/a
Reponse:
{
    "hostname": {
        "host-servername": "a",
```

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```
        "key": 1,
        "prefer": 0,
        "action": "enable",
        "uuid": "71599a40-5bf1-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/ntp/server/hostname/a"
    }
}
```

Get List

GET

/axapi/v3/ntp/server/hostname

hostname-list

Modify Object

POST

/axapi/v3/ntp/server/hostname/{host-servername}

hostname attributes

Replace Object

PUT

/axapi/v3/ntp/server/hostname/{host-servername}

hostname attributes

```
PUT /axapi/v3/ntp/server/hostname/a
Payload:
{
    "hostname": {
        "host-servername": "a",
        "key": 2
    }
}
```

Replace List

PUT

/axapi/v3/ntp/server/hostname

hostname-list

Delete Object

DELETE

/axapi/v3/ntp/server/hostname/{host-servername}

hostname attributes

```
DELETE /axapi/v3/ntp/server/hostname/a
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

hostname-list

hostname-list is **JSON List** of *hostname attributes*

hostname-list : [

{ *hostname attributes* },

{ *hostname attributes* },

...

]

hostname attributes

action

Description 'enable': Enable this NTP server; 'disable': Disable this NTP server;

Type: string

Supported Values: enable, disable

Default: enable

host-servername

Description IPV4 address, IPV6 address or host name of NTP server(string1~63)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

key

Description Use trusted key to authenticate this NTP server (The trusted key number to use)

Type: number

Range: 1-65535

Refernce Object: */axapi/v3/ntp/trusted-key*

prefer

Description Set this NTP server as preferred

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.6 ntp trusted-key

trusted key

trusted-key Specification

Type	*Collection*
Object Key(s)	*key*
Collection Name	*trusted-key-list*
Collection URI	/axapi/v3/ntp/trusted-key
Element Name	trusted-key
Element URI	/axapi/v3/ntp/trusted-key/{key}
Element Attributes	trusted-key_attributes
Schema	`trusted-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp/trusted-key

trusted-key attributes

```
POST /axapi/v3/ntp/trusted-key/
Payload:
{
    "trusted-key": {
        "key": 1
    }
}
```

Create List

POST

/axapi/v3/ntp/trusted-key

trusted-key attributes

Get Object

GET

/axapi/v3/ntp/trusted-key/{key}

trusted-key attributes

```
GET /axapi/v3/ntp/trusted-key/1
Reponse:
{
    "trusted-key": {
        "key": 1,
        "uuid": "8ef24e30-5bf1-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/ntp/trusted-key/1"
    }
}
```

Get List

GET

/axapi/v3/ntp/trusted-key

trusted-key-list

Modify Object

POST

/axapi/v3/ntp/trusted-key/{key}

trusted-key attributes

Replace Object

PUT

/axapi/v3/ntp/trusted-key/{key}

trusted-key attributes

```
PUT /axapi/v3/ntp/trusted-key/1
Payload:
{
    "trusted-key": {
        "key": 1
    }
}
```

Replace List

PUT

/axapi/v3/ntp/trusted-key

trusted-key-list

Delete Object

DELETE

/axapi/v3/ntp/trusted-key/{key}

trusted-key attributes

```
DELETE /axapi/v3/ntp/trusted-key/1
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

trusted-key-list

trusted-key-list is **JSON List** of *trusted-key attributes*

trusted-key-list : [

{ *trusted-key attributes* },

{ *trusted-key attributes* },

...

]

trusted-key attributes

key

Description trusted key

Type: number

Range: 1-65535

Refernce Object: */axapi/v3/ntp/auth-key*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.68 object

Objects:

2.68.1 object

Configure Object

object Specification

Type	*Intermediate Resource*
Element Name	object
Element URI	/axapi/v3/object
Element Attributes	object_attributes
Schema	`object schema`

Operations Allowed:

Get Object

GET

/axapi/v3/object

object_attributes

object attributes

network-list

Type: List

Refernce Object: */axapi/v3/object/network/{net-name}*

network-list

Specification	
Type	*list*
Block object keys	

description

Description Description of the object instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-range-end

Description IPV4 Host address end

Type: string

Format: ipv4-address

ip-range-start

Description IPv4 Host Address start

Type: string

Format: ipv4-address

Mutual Exclusion: ip-range-startipv6-range-start, subnet and ipv6-subnet are mutually exclusive

ipv6-range-end

Description IPV6 Host address end

Type: string

Format: ipv6-address

ipv6-range-start

Description IPv6 Host Address start

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-range-startip-range-start, subnet and ipv6-subnet are mutually exclusive

ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: ipv6-subnetip-range-start, ipv6-range-start and subnet are mutually exclusive

net-name

Description Network Object Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

subnet

Description IPv4 Network Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: subnetip-range-start, ipv6-range-start and ipv6-subnet are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.68.2 object network

Configure Network Object

network Specification

Type	*Collection*
Object Key(s)	*net-name*
Collection Name	*network-list*
Collection URI	/axapi/v3/object/network
Element Name	network
Element URI	/axapi/v3/object/network/{net-name}
Element Attributes	network_attributes
Schema	`network schema`

Operations Allowed:

Create Object

POST

/axapi/v3/object/network

network attributes

```
POST /axapi/v3/object/network/
Payload:
{
    "network": {
        "net-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/object/network

network attributes

Get Object

GET

/axapi/v3/object/network/{net-name}

network attributes

```
GET /axapi/v3/object/network/a
Reponse:
{
    "network": {
        "net-name": "a",
        "uuid": "bf89875c-60dd-11d9-92b2-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/object/network/a"
    }
}
```

Get List

GET

/axapi/v3/object/network

network-list

Modify Object

POST

/axapi/v3/object/network/{net-name}

network attributes

Replace Object

PUT

/axapi/v3/object/network/{net-name}

network attributes

```
PUT /axapi/v3/object/network/a
Payload:
{
    "network": {
        "net-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/object/network

network-list

Delete Object

DELETE

/axapi/v3/object/network/{net-name}

network attributes

```
DELETE /axapi/v3/object/network/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

network-list

network-list is **JSON List** of *network attributes*

network-list : [

{ *network attributes* },

{ *network attributes* },

...

]

network attributes

description

Description Description of the object instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-range-end

Description IPV4 Host address end

Type: string

Format: ipv4-address

ip-range-start

Description IPv4 Host Address start

Type: string

Format: ipv4-address

Mutual Exclusion: ip-range-startipv6-range-start, subnet and ipv6-subnet are mutually exclusive

ipv6-range-end

Description IPV6 Host address end

Type: string

Format: ipv6-address

ipv6-range-start

Description IPv6 Host Address start

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-range-startip-range-start, subnet and ipv6-subnet are mutually exclusive

ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: ipv6-subnetip-range-start, ipv6-range-start and subnet are mutually exclusive

net-name

Description Network Object Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

subnet

Description IPv4 Network Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: subnetip-range-start, ipv6-range-start and ipv6-subnet are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.69 object-group

Objects:

2.69.1 object-group

Configure Object Group

object-group Specification

Type	*Intermediate Resource*
Element Name	object-group
Element URI	/axapi/v3/object-group
Element Attributes	object-group_attributes
Schema	`object-group schema`

Operations Allowed:

Get Object

GET

/axapi/v3/object-group

object-group_attributes

object-group attributes

application-list

Type: List

Refernce Object: */axapi/v3/object-group/application/{app-name}*

network-list

Type: List

Refernce Object: */axapi/v3/object-group/network/{net-name}*

service-list

Type: List

Refernce Object: */axapi/v3/object-group/service/{svc-name}*

network-list

Specification	
Type	*list*
Block object keys	

description

Description Description of the object-group instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-version

Description 'v4': IPv4 rule; 'v6': IPv6 rule;

Type: string

Supported Values: v4, v6

net-name

Description Network Object Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rules

Type: List

usage

Description 'acl': Use for access-lists (default).; 'fw': Use for Firewall rule-set;

Type: string

Supported Values: acl, fw

Default: acl

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network-list_rules

Specification	
Type	*list*
Block object keys	

any

Description Any host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-ipv4-address

Description IPv4 Network Address

Type: string

Format: ipv4-cidr

fw-ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

host-v4

Description IPv4 Host Address

Type: string

Format: ipv4-address

host-v6

Description IPv6 Host Address

Type: string

Format: ipv6-address

ip-range-end

Description IPV4 Host address end

Type: string

Format: ipv4-address

ip-range-start

Description IPv4 Host Address start

Type: string

Format: ipv4-address

ipv6-range-end

Description IPV6 Host address end

Type: string

Format: ipv6-address

ipv6-range-start

Description IPv6 Host Address start

Type: string

Format: ipv6-address

ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

obj-network

Description Network Object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/object/network*

rev-subnet-mask

Description Network Mask. 0=apply, 255=ignore

Type: string

Format: ipv4-rev-netmask

seq-num

Description Sequence number

Type: number

Range: 1-8192

slb-server

Description Server

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server*

slb-vserver

Description Virtual Server

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

subnet

Description IPv4 Network Address

Type: string

Format: ipv4-address

service-list

Specification	
Type	*list*
Block object keys	

description

Description Description of the object-group instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

svc-name

Description Service Object Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_rules

Specification	
Type	*list*
Block object keys	

alg

Description 'FTP': Spcify FTP ALG port range; 'TFTP': Spcify TFTP ALG port range; 'SIP': Spcify SIP ALG port range; 'DNS': Spcify DNS ALG port range;

Type: string

Supported Values: FTP, TFTP, SIP, DNS, PPTP, RTSP

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code icmp-code and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type icmp-type and special-type are mutually exclusive

eq-dst

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

eq-src

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

gt-dst

Description Match only packets with a greater port number

Type: number

Range: 1-65534

gt-src

Description Match only packets with a greater port number

Type: number

Range: 1-65534

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code any-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type any-type and special-type are mutually exclusive

icmpv6

Description Internet Control Message Protocol version 6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-code

Description ICMPv6 code number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-code v6-any-code and special-v6-code are mutually exclusive

icmpv6-type

Description ICMPv6 type number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-type v6-any-type and special-v6-type are mutually exclusive

lt-dst

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

lt-src

Description Match only packets with a lower port number

Type: number

Range: 2-65535

port-num-end-dst

Description Ending Destination Port Number

Type: number

Range: 1-65535

port-num-end-src

Description Ending Port Number

Type: number

Range: 1-65535

protocol-id

Description Protocol ID

Type: number

Range: 0-255

range-dst

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

range-src

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

seq-num

Description Sequence number

Type: number

Range: 1-8192

source

Description Source Port Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code any-code and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type icmp-type and any-type are mutually exclusive

special-v6-code

Description 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-v6-code v6-any-code and icmpv6-code are mutually exclusive

special-v6-type

Description 'dest-unreachable': Type 1, destination unreachable; 'echo-reply': Type 129, echo reply; 'echo-request': Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded;

Type: string

Supported Values: dest-unreachable, echo-reply, echo-request, packet-too-big, param-prob, time-exceeded

Mutual Exclusion: special-v6-type icmpv6-type and v6-any-type are mutually exclusive

tcp-udp

Description 'tcp': Protocol TCP; 'udp': Protocol UDP;

Type: string

Supported Values: tcp, udp

v6-any-code

Description Any ICMPv6 code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v6-any-code icmpv6-code and special-v6-code are mutually exclusive

v6-any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v6-any-type icmpv6-type and special-v6-type are mutually exclusive

application-list

Specification	
Type	*list*
Block object keys	

app-list

Type: List

app-name

Description Application Object Group Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

application-list_app-list

Specification	
Type	*list*
Block object keys	

protocol

Description Specify application

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

protocol-tag

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'aetls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.;

'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, aetls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email,

ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

2.69.2 object-group application

Configure Application Object Group

application Specification

Type	*Collection*
Object Key(s)	*app-name*
Collection Name	*application-list*
Collection URI	/axapi/v3/object-group/application
Element Name	application
Element URI	/axapi/v3/object-group/application/{app-name}
Element Attributes	application_attributes
Schema	`application schema`

Operations Allowed:

Create Object

POST

/axapi/v3/object-group/application

application attributes

Create List

POST

/axapi/v3/object-group/application

application attributes

Get Object

GET

/axapi/v3/object-group/application/{app-name}

application attributes

Get List

GET

/axapi/v3/object-group/application

application-list

Modify Object

POST

/axapi/v3/object-group/application/{app-name}

application attributes

Replace Object

PUT

/axapi/v3/object-group/application/{app-name}

application attributes

Replace List

PUT

/axapi/v3/object-group/application

application-list

Delete Object

DELETE

/axapi/v3/object-group/application/{app-name}

application attributes

application-list

application-list is **JSON List** of *application attributes*

application-list : [

{ *application attributes* },

{ *application attributes* },

...

]

application attributes

app-list

Type: List

app-name

Description Application Object Group Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-list

Specification	
Type	*list*
Block object keys	

protocol

Description Specify application

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

protocol-tag

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content.; 'advertising': Advertising networks and applications.; 'analytics-and-statistics': user-analytics and statistics.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Protocols required for basic classification, e.g., ARP, HTTP;

'blog': Blogging platform.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified ads.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'database': Database-specific protocols.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange, e.g., Dropbox, SMB; 'file-transfer': Protocol that offers file transferring as a functionality as a secondary feature. e.g., Skype, Whatsapp; 'forum': Online forum.; 'gaming': Protocol/application used by games.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant messaging or multiconferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice over IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web email application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, aetls, analytics-and-statistics,

anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

2.69.3 object-group network

Configure Network Object Group

network Specification

Type	*Collection*
Object Key(s)	*net-name*
Collection Name	*network-list*
Collection URI	/axapi/v3/object-group/network
Element Name	network
Element URI	/axapi/v3/object-group/network/{net-name}
Element Attributes	network_attributes
Schema	`network schema`

Operations Allowed:

Create Object

POST

/axapi/v3/object-group/network

network attributes

```
POST /axapi/v3/object-group/network/
Payload:
{
    "network": {
        "net-name": "a",
```

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```
        "usage": "acl"
    }
}
```

Create List

POST

/axapi/v3/object-group/network

network attributes

Get Object

GET

/axapi/v3/object-group/network/{net-name}

network attributes

```
GET /axapi/v3/object-group/network/a
Reponse:
{
    "network": {
        "net-name": "a",
        "usage": "acl",
        "uuid": "f3643b3c-60db-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/object-group/network/a"
    }
}
```

Get List

GET

/axapi/v3/object-group/network

network-list

Modify Object

POST

/axapi/v3/object-group/network/{net-name}

network attributes

Replace Object

PUT

/axapi/v3/object-group/network/{net-name}

network attributes

```
PUT /axapi/v3/object-group/network/a
Payload:
{
    "network": {
        "net-name": "a"
```

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```
    }
}
```

Replace List

PUT

/axapi/v3/object-group/network

network-list

Delete Object

DELETE

/axapi/v3/object-group/network/{net-name}

network attributes

```
DELETE /axapi/v3/object-group/network/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

network-list

network-list is **JSON List** of *network attributes*

network-list : [

{ *network attributes* },

{ *network attributes* },

...

]

network attributes

description

Description Description of the object-group instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-version

Description 'v4': IPv4 rule; 'v6': IPv6 rule;

Type: string

Supported Values: v4, v6

net-name

Description Network Object Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rules

Type: List

usage

Description 'acl': Use for access-lists (default).; 'fw': Use for Firewall rule-set;

Type: string

Supported Values: acl, fw

Default: acl

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	
Type	*list*
Block object keys	

any

Description Any host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-ipv4-address

Description IPv4 Network Address

Type: string

Format: ipv4-cidr

fw-ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

host-v4

Description IPv4 Host Address

Type: string

Format: ipv4-address

host-v6

Description IPv6 Host Address

Type: string

Format: ipv6-address

ip-range-end

Description IPV4 Host address end

Type: string

Format: ipv4-address

ip-range-start

Description IPv4 Host Address start

Type: string

Format: ipv4-address

ipv6-range-end

Description IPV6 Host address end

Type: string

Format: ipv6-address

ipv6-range-start

Description IPv6 Host Address start

Type: string

Format: ipv6-address

ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

obj-network

Description Network Object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/object/network*

rev-subnet-mask

Description Network Mask. 0=apply, 255=ignore

Type: string

Format: ipv4-rev-netmask

seq-num

Description Sequence number

Type: number

Range: 1-8192

slb-server

Description Server

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server*

slb-vserver

Description Virtual Server

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

subnet

Description IPv4 Network Address

Type: string

Format: ipv4-address

2.69.4 object-group service

Configure Service Object Group

service Specification

Type	*Collection*
Object Key(s)	*svc-name*
Collection Name	*service-list*
Collection URI	/axapi/v3/object-group/service
Element Name	service
Element URI	/axapi/v3/object-group/service/{svc-name}
Element Attributes	service_attributes
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/object-group/service

service attributes

```
POST /axapi/v3/object-group/service/
Payload:
{
    "service": {
        "svc-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/object-group/service

service attributes

Get Object

GET

/axapi/v3/object-group/service/{svc-name}

service attributes

```
GET /axapi/v3/object-group/service/a
Reponse:
{
    "service": {
        "svc-name": "a",
```

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```
        "uuid": "ab62b0f6-60dc-11d9-92b2-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/object-group/service/a"
    }
}
```

Get List

GET

/axapi/v3/object-group/service

service-list

Modify Object

POST

/axapi/v3/object-group/service/{svc-name}

service attributes

Replace Object

PUT

/axapi/v3/object-group/service/{svc-name}

service attributes

```
PUT /axapi/v3/object-group/service/a
Payload:
{
    "service": {
        "svc-name": "a",
        "user-tag": "abc"
    }
}
```

Replace List

PUT

/axapi/v3/object-group/service

service-list

Delete Object

DELETE

/axapi/v3/object-group/service/{svc-name}

service attributes

```
DELETE /axapi/v3/object-group/service/a
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

...

]

service attributes

description

Description Description of the object-group instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

svc-name

Description Service Object Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	
Type	*list*
Block object keys	

alg

Description 'FTP': Spcify FTP ALG port range; 'TFTP': Spcify TFTP ALG port range; 'SIP': Spcify SIP ALG port range; 'DNS': Spcify DNS ALG port range;

Type: string

Supported Values: FTP, TFTP, SIP, DNS, PPTP, RTSP

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code icmp-code and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type icmp-type and special-type are mutually exclusive

eq-dst

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

eq-src

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

gt-dst

Description Match only packets with a greater port number

Type: number

Range: 1-65534

gt-src

Description Match only packets with a greater port number

Type: number

Range: 1-65534

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code any-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type any-type and special-type are mutually exclusive

icmpv6

Description Internet Control Message Protocol version 6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-code

Description ICMPv6 code number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-code v6-any-code and special-v6-code are mutually exclusive

icmpv6-type

Description ICMPv6 type number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-type v6-any-type and special-v6-type are mutually exclusive

lt-dst

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

lt-src

Description Match only packets with a lower port number

Type: number

Range: 2-65535

port-num-end-dst

Description Ending Destination Port Number

Type: number

Range: 1-65535

port-num-end-src

Description Ending Port Number

Type: number

Range: 1-65535

protocol-id

Description Protocol ID

Type: number

Range: 0-255

range-dst

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

range-src

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

seq-num

Description Sequence number

Type: number

Range: 1-8192

source

Description Source Port Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code any-code and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type icmp-type and any-type are mutually exclusive

special-v6-code

Description 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-v6-code v6-any-code and icmpv6-code are mutually exclusive

special-v6-type

Description 'dest-unreachable': Type 1, destination unreachable; 'echo-reply': Type 129, echo reply; 'echo-request': Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded;

Type: string

Supported Values: dest-unreachable, echo-reply, echo-request, packet-too-big, param-prob, time-exceeded

Mutual Exclusion: special-v6-type icmpv6-type and v6-any-type are mutually exclusive

tcp-udp

Description 'tcp': Protocol TCP; 'udp': Protocol UDP;

Type: string

Supported Values: tcp, udp

v6-any-code

Description Any ICMPv6 code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v6-any-code icmpv6-code and special-v6-code are mutually exclusive

v6-any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v6-any-type icmpv6-type and special-v6-type are mutually exclusive

2.70 overlay-mgmt-info

Objects:

2.70.1 overlay-mgmt-info

Overlay management specific data

overlay-mgmt-info Specification

Type	*Collection*
Object Key(s)	*plugin_name, appstring*
Collection Name	*overlay-mgmt-info-list*
Collection URI	/axapi/v3/overlay-mgmt-info
Element Name	overlay-mgmt-info
Element URI	/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}
Element Attributes	overlay-mgmt-info_attributes
Schema	`overlay-mgmt-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-mgmt-info

overlay-mgmt-info attributes

```
POST /axapi/v3/overlay-mgmt-info/
Payload:
{
    "overlay-mgmt-info": {
        "appstring": "a",
        "plugin_name": "a"
    }
}
```

Create List

POST

/axapi/v3/overlay-mgmt-info

overlay-mgmt-info attributes

Get Object

GET

/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}

overlay-mgmt-info attributes

```
GET /axapi/v3/overlay-mgmt-info/a+a
Reponse:
{
    "overlay-mgmt-info": {
        "plugin_name": "a",
        "appstring": "a",
        "uuid": "9b798910-60de-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/overlay-mgmt-info/a+a"
    }
}
```

Get List

GET

/axapi/v3/overlay-mgmt-info

overlay-mgmt-info-list

Modify Object

POST

/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}

overlay-mgmt-info attributes

Replace Object

PUT

/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}

overlay-mgmt-info attributes

```
PUT /axapi/v3/overlay-mgmt-info/a+a
Payload:
{
    "overlay-mgmt-info": {
        "appstring": "a",
        "plugin_name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/overlay-mgmt-info

overlay-mgmt-info-list

Delete Object

DELETE

/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}

overlay-mgmt-info attributes

```
DELETE /axapi/v3/overlay-mgmt-info/a+a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

overlay-mgmt-info-list

overlay-mgmt-info-list is **JSON List** of *overlay-mgmt-info attributes*

overlay-mgmt-info-list : [

{ *overlay-mgmt-info attributes* },

{ *overlay-mgmt-info attributes* },

...

]

overlay-mgmt-info attributes

appstring

Description Application string

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

plugin_name

Description Plugin string

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71 overlay-tunnel

Objects:

2.71.1 overlay-tunnel

Configure a Tunnel end point

overlay-tunnel Specification

Type	*Intermediate Resource*
Element Name	overlay-tunnel
Element URI	/axapi/v3/overlay-tunnel
Element Attributes	overlay-tunnel_attributes
Schema	`overlay-tunnel schema`

Operations Allowed:

Get Object

GET

/axapi/v3/overlay-tunnel

overlay-tunnel_attributes

overlay-tunnel attributes

options

Description: options is a **JSON Block**. Please see below for *options*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/options*

vtep-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}*

options

Specification	
Type	*object*

fragmentation-mode-inner

Description Enable the inner-fragmentation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-mac

Description MAC to be used with Gateway segment Id (MAC Address for the Gateway segment)

Type: string

Format: mac-address

ip-dscp-preserve

Description Copy DSCP bits from inner IP to outer IP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre-disable-flow-id

Description Disable Flow-ID computation for NVGRE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre-key-mode-lower24

Description Use the lower 24-bits of the GRE key as the VSID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-mss-adjust-disable

Description Disable TCP MSS adjustment in SYN packet for tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan-dest-port

Description VXLAN UDP Destination Port (UDP Port Number (default 4789))

Type: number

Range: 1-65535

vtep-list

Specification	
Type	*list*
Block object keys	

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: ip-encap, gre, nvgre, vxlan

Default: vxlan

host-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}*

id

Description VTEP Identifier

Type: number

Range: 1-190

local-ip-address

Description: local-ip-address is a **JSON Block**. Please see below for *vtep-list_local-ip-address*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address*

local-ipv6-address

Description: local-ipv6-address is a **JSON Block**. Please see below for *vtep-list_local-ipv6-address*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address*

remote-ip-address-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}*

remote-ipv6-address-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_local-ipv6-address

Specification	
Type	*object*

ipv6-address

Description Source Tunnel End Point IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cfg_err_count': Config errors; 'flooded_pkt_count': Flooded packet count; 'encap_unresolved_count': Encap unresolved failures; 'unknown_encap_rx_pkt': Encap miss rx pkts; 'unknown_encap_tx_pkt': Encap miss tx pkts; 'arp_req_sent': Arp request sent; 'vtep_host_learned': Hosts learned; 'vtep_host_learn_error': Host learn error; 'invalid_lif_rx': Invalid Lif pkts in; 'invalid_lif_tx': Invalid Lif pkts out; 'unknown_vtep_tx': Vtep unknown tx; 'unknown_vtep_rx': Vtep Unkown rx; 'unhandled_pkt_rx': Unhandled packets in; 'unhandled_pkt_tx': Unhandled packets out; 'total_pkts_rx': Total packets out; 'total_bytes_rx': Total packet bytes in; 'unicast_pkt_rx': Total unicast packets in; 'bcast_pkt_rx': Total broadcast packets in; 'mcast_pkt_rx': Total multicast packets in; 'dropped_pkt_rx': Dropped received packets; 'encap_miss_pkts_rx': Encap missed in received packets; 'bad_chksum_pks_rx': Bad checksum in received packets; 'requeue_pkts_in': Requeued packets in; 'pkts_out': Packets out; 'total_bytes_tx': Packet bytes out; 'unicast_pkt_tx': Unicast packets out; 'bcast_pkt_tx': Broadcast packets out; 'mcast_pkt_tx': Multicast packets out; 'dropped_pkts_tx': Dropped packets out; 'large_pkts_rx': Too large packets in; 'dot1q_pkts_rx': Dot1q packets in; 'frag_pkts_tx': Frag packets out; 'reassembled_pkts_rx': Reassembled packets in; 'bad_inner_ipv4_len_rx': bad inner ipv4 packet len; 'bad_inner_ipv6_len_rx': Bad inner ipv6 packet len; 'lif_un_init_rx': Lif uninitialized packets in;

Type: string

Supported Values: all, cfg_err_count, flooded_pkt_count, encap_unresolved_count, unknown_encap_rx_pkt, unknown_encap_tx_pkt, arp_req_sent, vtep_host_learned, vtep_host_learn_error, invalid_lif_rx, invalid_lif_tx, unknown_vtep_tx, unknown_vtep_rx, unhandled_pkt_rx, unhandled_pkt_tx, total_pkts_rx, total_bytes_rx, unicast_pkt_rx, bcast_pkt_rx, mcast_pkt_rx, dropped_pkt_rx, encap_miss_pkts_rx, bad_chksum_pks_rx, requeue_pkts_in, pkts_out, total_bytes_tx, unicast_pkt_tx, bcast_pkt_tx, mcast_pkt_tx, dropped_pkts_tx, large_pkts_rx, dot1q_pkts_rx, frag_pkts_tx, reassembled_pkts_rx, bad_inner_ipv4_len_rx, bad_inner_ipv6_len_rx, frag_drop_pkts_tx, lif_un_init_rx

vtep-list_remote-ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPv6 Address of the remote VTEP

Type: string

Format: ipv6-address

use-lif

Description: use-lif is a **JSON Block**. Please see below for *vtep-list_remote-ipv6-address-list_use-lif*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ipv6-address-list_use-lif

Specification	
Type	*object*

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ip-address-list

Specification	
Type	*list*
Block object keys	

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: nvgre, vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *vtep-list_remote-ip-address-list_gre-keepalive*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive*

ip-address

Description IP Address of the remote VTEP

Type: string

Format: ipv4-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *vtep-list_remote-ip-address-list_use-gre-key*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *vtep-list_remote-ip-address-list_use-lif*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}*

vtep-list_remote-ip-address-list_gre-keepalive

Specification	
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ip-address-list_use-lif

Specification	
Type	*object*

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ip-address-list_vni-list

Specification	
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ip-address-list_use-gre-key

Specification	
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_local-ip-address

Specification	
Type	*object*

ip-address

Description Source Tunnel End Point IPv4 address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}*

vtep-list_local-ip-address_vni-list

Specification	
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_host-list

Specification	
Type	*list*
Block object keys	

ip-addr

Description IPv4 address of the overlay host

Type: string

Format: ipv4-address

overlay-mac-addr

Description MAC Address of the overlay host

Type: string

Format: mac-address

remote-vtep

Description Configure the VTEP IP address (IPv4 address of the VTEP for the remote host)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni

Description Configure the segment id (VNI of the remote host)

Type: number

Range: 1-16777215

2.71.2 overlay-tunnel options

Global overlay-tunnel configuration options

options Specification

Type	*Configuration Resource*
Element Name	options
Element URI	/axapi/v3/overlay-tunnel/options
Element Attributes	options_attributes
Schema	`options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/options

options attributes

```
POST /axapi/v3/overlay-tunnel/options
Payload:
{
    "options": {
        "ip-dscp-preserve": 1
    }
}
```

Get Object

GET

/axapi/v3/overlay-tunnel/options

options attributes

```
GET /axapi/v3/overlay-tunnel/options
Reponse:
{
    "options": {
        "ip-dscp-preserve": 1,
        "nvgre-disable-flow-id": 0,
        "nvgre-key-mode-lower24": 0,
        "tcp-mss-adjust-disable": 0,
        "fragmentation-mode-inner": 0,
        "uuid": "2e1bb4fe-60e0-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/overlay-tunnel/options"
    }
}
```

Modify Object

POST

/axapi/v3/overlay-tunnel/options

options attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/options

options attributes

```
PUT /axapi/v3/overlay-tunnel/options
Payload:
{
    "options": {
        "ip-dscp-preserve": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/overlay-tunnel/options

options attributes

```
DELETE /axapi/v3/overlay-tunnel/options
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

options attributes

fragmentation-mode-inner

Description Enable the inner-fragmentation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-mac

Description MAC to be used with Gateway segment Id (MAC Address for the Gateway segment)

Type: string

Format: mac-address

ip-dscp-preserve

Description Copy DSCP bits from inner IP to outer IP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre-disable-flow-id

Description Disable Flow-ID computation for NVGRE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre-key-mode-lower24

Description Use the lower 24-bits of the GRE key as the VSID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-mss-adjust-disable

Description Disable TCP MSS adjustment in SYN packet for tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan-dest-port

Description VXLAN UDP Destination Port (UDP Port Number (default 4789))

Type: number

Range: 1-65535

2.71.3 overlay-tunnel vtep

Virtual Tunnel end point Configuration

vtep Specification

Type	*Collection*
Object Key(s)	*id*
Collection Name	*vtep-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep
Element Name	vtep
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}
Element Attributes	vtep_attributes
Statistics Data URI	/axapi/v3/overlay-tunnel/vtep/{id}/stats
Schema	`vtep schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep

vtep attributes

```
POST /axapi/v3/overlay-tunnel/vtep/
Payload:
{
    "vtep": {
        "id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/overlay-tunnel/vtep

vtep attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

```
GET /axapi/v3/overlay-tunnel/vtep/1
Reponse:
{
    "vtep": {
        "id": 1,
        "encap": "vxlan",
        "uuid": "f6d9b076-60e0-11d9-92b2-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/overlay-tunnel/vtep/1"
    }
}
```

Get List

GET

/axapi/v3/overlay-tunnel/vtep

vtep-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

```
PUT /axapi/v3/overlay-tunnel/vtep/1
Payload:
{
    "vtep": {
        "id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep

vtep-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

```
DELETE /axapi/v3/overlay-tunnel/vtep/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vtep-list

vtep-list is **JSON List** of *vtep attributes*

vtep-list : [

{ *vtep attributes* },

{ *vtep attributes* },

...

]

vtep attributes

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: ip-encap, gre, nvgre, vxlan

Default: vxlan

host-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}*

id

Description VTEP Identifier

Type: number

Range: 1-190

local-ip-address

Description: local-ip-address is a **JSON Block**. Please see below for *local-ip-address*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address*

local-ipv6-address

Description: local-ipv6-address is a **JSON Block**. Please see below for *local-ipv6-address*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address*

remote-ip-address-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}*

remote-ipv6-address-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-ipv6-address

Specification	
Type	*object*

ipv6-address

Description Source Tunnel End Point IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cfg_err_count': Config errors; 'flooded_pkt_count': Flooded packet count; 'encap_unresolved_count': Encap unresolved failures; 'unknown_encap_rx_pkt': Encap miss rx pkts; 'unknown_encap_tx_pkt': Encap miss tx pkts; 'arp_req_sent': Arp request sent; 'vtep_host_learned': Hosts learned; 'vtep_host_learn_error': Host learn error; 'invalid_lif_rx': Invalid Lif pkts in; 'invalid_lif_tx': Invalid Lif pkts out; 'unknown_vtep_tx': Vtep unknown tx; 'unknown_vtep_rx': Vtep Unkown rx; 'unhandled_pkt_rx': Unhandled packets in; 'unhandled_pkt_tx': Unhandled packets out; 'total_pkts_rx': Total packets out; 'total_bytes_rx': Total packet bytes in; 'unicast_pkt_rx': Total unicast packets in; 'bcast_pkt_rx': Total broadcast packets in; 'mcast_pkt_rx': Total multicast packets in; 'dropped_pkt_rx': Dropped received packets; 'encap_miss_pkts_rx': Encap missed in received packets; 'bad_chksum_pks_rx': Bad checksum in received packets; 'requeue_pkts_in': Requeued packets in; 'pkts_out': Packets out; 'total_bytes_tx': Packet bytes out; 'unicast_pkt_tx': Unicast packets out; 'bcast_pkt_tx': Broadcast packets out; 'mcast_pkt_tx': Multicast packets out; 'dropped_pkts_tx': Dropped packets out; 'large_pkts_rx': Too large

packets in; 'dot1q_pkts_rx': Dot1q packets in; 'frag_pkts_tx': Frag packets out; 'reassembled_pkts_rx': Reassembled packets in; 'bad_inner_ipv4_len_rx': bad inner ipv4 packet len; 'bad_inner_ipv6_len_rx': Bad inner ipv6 packet len; 'frag_drop_pkts_tx': Frag dropped packets out; 'lif_un_init_rx': Lif uninitialized packets in;

Type: string

Supported Values: all, cfg_err_count, flooded_pkt_count, encap_unresolved_count, unknown_encap_rx_pkt, unknown_encap_tx_pkt, arp_req_sent, vtep_host_learned, vtep_host_learn_error, invalid_lif_rx, invalid_lif_tx, unknown_vtep_tx, unknown_vtep_rx, unhandled_pkt_rx, unhandled_pkt_tx, total_pkts_rx, total_bytes_rx, unicast_pkt_rx, bcast_pkt_rx, mcast_pkt_rx, dropped_pkt_rx, encap_miss_pkts_rx, bad_chksum_pks_rx, requeue_pkts_in, pkts_out, total_bytes_tx, unicast_pkt_tx, bcast_pkt_tx, mcast_pkt_tx, dropped_pkts_tx, large_pkts_rx, dot1q_pkts_rx, frag_pkts_tx, reassembled_pkts_rx, bad_inner_ipv4_len_rx, bad_inner_ipv6_len_rx, frag_drop_pkts_tx, lif_un_init_rx

remote-ipv6-address-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPv6 Address of the remote VTEP

Type: string

Format: ipv6-address

use-lif

Description: use-lif is a **JSON Block**. Please see below for *remote-ipv6-address-list_use-lif*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ipv6-address-list_use-lif

Specification	
Type	*object*

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ip-address-list

Specification	
Type	*list*
Block object keys	

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: nvgre, vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *remote-ip-address-list_gre-keepalive*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive*

ip-address

Description IP Address of the remote VTEP

Type: string

Format: ipv4-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *remote-ip-address-list_use-gre-key*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *remote-ip-address-list_use-lif*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}*

remote-ip-address-list_gre-keepalive

Specification	
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ip-address-list_use-lif

Specification	
Type	*object*

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ip-address-list_vni-list

Specification	
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ip-address-list_use-gre-key

Specification	
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-ip-address

Specification	
Type	*object*

ip-address

Description Source Tunnel End Point IPv4 address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}*

local-ip-address_vni-list

Specification	
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list

Specification	
Type	*list*
Block object keys	

ip-addr

Description IPv4 address of the overlay host

Type: string

Format: ipv4-address

overlay-mac-addr

Description MAC Address of the overlay host

Type: string

Format: mac-address

remote-vtep

Description Configure the VTEP IP address (IPv4 address of the VTEP for the remote host)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni

Description Configure the segment id (VNI of the remote host)

Type: number

Range: 1-16777215

stats data

	Counter	Size	Description
	mcast_pkt_tx	4	Multicast packets out
	total_bytes_rx	4	Total packet bytes in
	dropped_pkt_rx	4	Dropped received packets
	pkts_out	4	Packets out
	unhandled_pkt_rx	4	Unhandled packets in
	unknown_encap_tx_pkt	4	Encap miss tx pkts
	reassembled_pkts_rx	4	Reassembled packets in
	frag_drop_pkts_tx	4	Frag dropped packets out
	frag_pkts_tx	4	Frag packets out
	dropped_pkts_tx	4	Dropped packets out
	total_bytes_tx	4	Packet bytes out
	large_pkts_rx	4	Too large packets in
	invalid_lif_tx	4	Invalid Lif pkts out
	encap_miss_pkts_rx	4	Encap missed in received packets
	unicast_pkt_rx	4	Total unicast packets in
	dot1q_pkts_rx	4	Dot1q packets in
	vtep_host_learned	4	Hosts learned
	unhandled_pkt_tx	4	Unhandled packets out
	unknown_vtep_rx	4	Vtep Unkown rx
	invalid_lif_rx	4	Invalid Lif pkts in
	unknown_encap_rx_pkt	4	Encap miss rx pkts
	bad_chksum_pkts_rx	4	Bad checksum in received packets
	encap_unresolved_count	4	Encap unresolved failures
	bad_inner_ipv6_len_rx	4	Bad inner ipv6 packet len
	cfg_err_count	4	Config errors
	unknown_vtep_tx	4	Vtep unknown tx
	flooded_pkt_count	4	Flooded packet count
	total_pkts_rx	4	Total packets out
	vtep_host_learn_error	4	Host learn error

continues on next page

Table 2.25 – continued from previous page

	Counter	Size	Description
	re-queue_pkts_in	4	Requeued packets in
	lif_un_init_rx	4	Lif uninitialized packets in
	mcast_pkt_rx	4	Total multicast packets in
	bcast_pkt_tx	4	Broadcast packets out
	bcast_pkt_rx	4	Total broadcast packets in
	uni-cast_pkt_tx	4	Unicast packets out
	bad_inner_ipv4_4len_rx		bad inner ipv4 packet len
	arp_req_sent	4	Arp request sent

2.71.4 overlay-tunnel vtep destination-ip-address

Configure remote tunnel end point parameters

destination-ip-address Specification

Type	*Collection*
Object Key(s)	*ip-address*
Collection Name	*destination-ip-address-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address
Element Name	destination-ip-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}
Element Attributes	destination-ip-address_attributes
Schema	`destination-ip-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address

destination-ip-address attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address

destination-ip-address attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}

destination-ip-address attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address

destination-ip-address-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}

destination-ip-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}

destination-ip-address attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address

destination-ip-address-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}

destination-ip-address attributes

destination-ip-address-list

destination-ip-address-list is **JSON List** of *destination-ip-address attributes*

destination-ip-address-list : [

{ *destination-ip-address attributes* },

{ *destination-ip-address attributes* },

...

]

destination-ip-address attributes

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: nvgre, vxlan

ip-address

Description IP Address of the remote VTEP

Type: string

Format: ipv4-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni/{segment}*

vni-list

Specification	
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.5 overlay-tunnel vtep destination-ip-address vni

Virtual Segment Id configured on the remote VTEP

vni Specification

Type	*Collection*
Object Key(s)	*segment*
Collection Name	*vni-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni
Element Name	vni
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni/{segment}
Element Attributes	vni_attributes
Schema	`vni schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni

vni attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni

vni attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni/{segment}

vni attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni

vni-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni/{segment}

vni attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni/{segment}

vni attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni

vni-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/destination-ip-address/{ip-address}/vni/{segment}

vni attributes

vni-list

vni-list is **JSON List** of *vni attributes*

vni-list : [

{ *vni attributes* },

{ *vni attributes* },

...

]

vni attributes

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.6 overlay-tunnel vtep host

IP Address of the local tunnel end point

host Specification

Type	*Collection*
Object Key(s)	*ip-addr, overlay-mac-addr, vni, remote-vtep*
Collection Name	*host-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/host
Element Name	host
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}
Element Attributes	host_attributes
Schema	`host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/host

host attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/host

host attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}

host attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/host

host-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}

host attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}

host attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/host

host-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}

host attributes

host-list

host-list is **JSON List** of *host attributes*

host-list : [

{ *host attributes* },

{ *host attributes* },

...

]

host attributes

ip-addr

Description IPv4 address of the overlay host

Type: string

Format: ipv4-address

overlay-mac-addr

Description MAC Address of the overlay host

Type: string

Format: mac-address

remote-vtep

Description Configure the VTEP IP address (IPv4 address of the VTEP for the remote host)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni

Description Configure the segment id (VNI of the remote host)

Type: number

Range: 1-16777215

2.71.7 overlay-tunnel vtep local-ip-address

IP Address of the local tunnel end point

local-ip-address Specification

Type	*Configuration Resource*
Element Name	local-ip-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address
Element Attributes	local-ip-address_attributes
Schema	`local-ip-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

local-ip-address attributes

ip-address

Description Source Tunnel End Point IPv4 address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}*

vni-list

Specification	
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.8 overlay-tunnel vtep local-ip-address vni

IP Address of the local tunnel end point

vni Specification

Type	*Collection*
Object Key(s)	*segment*
Collection Name	*vni-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni
Element Name	vni
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}
Element Attributes	vni_attributes
Schema	`vni schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni

vni attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni

vni attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}

vni attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni

vni-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}

vni attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}

vni attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni

vni-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}

vni attributes

vni-list

vni-list is **JSON List** of *vni attributes*

vni-list : [

{ *vni attributes* },

{ *vni attributes* },

...

]

vni attributes

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.9 overlay-tunnel vtep local-ipv6-address

IP Address of the local tunnel end point

local-ipv6-address Specification

Type	*Configuration Resource*
Element Name	local-ipv6-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address
Element Attributes	local-ipv6-address_attributes
Schema	`local-ipv6-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

local-ipv6-address attributes

ipv6-address

Description Source Tunnel End Point IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.10 overlay-tunnel vtep remote-ip-address

Configure remote tunnel end point parameters

remote-ip-address Specification

Type	*Collection*
Object Key(s)	*ip-address*
Collection Name	*remote-ip-address-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address
Element Name	remote-ip-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}
Element Attributes	remote-ip-address_attributes
Schema	`remote-ip-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address

remote-ip-address attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address

remote-ip-address attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}

remote-ip-address attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address

remote-ip-address-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}

remote-ip-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}

remote-ip-address attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address

remote-ip-address-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}

remote-ip-address attributes

remote-ip-address-list

remote-ip-address-list is **JSON List** of *remote-ip-address attributes*

remote-ip-address-list : [

{ *remote-ip-address attributes* },

{ *remote-ip-address attributes* },

...

]

remote-ip-address attributes

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: nvgre, vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *gre-keepalive*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive*

ip-address

Description IP Address of the remote VTEP

Type: string

Format: ipv4-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *use-gre-key*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *use-lif*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}*

gre-keepalive

Specification	
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-lif

Specification	
Type	*object*

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Specification	
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-gre-key

Specification	
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.11 overlay-tunnel vtep remote-ip-address gre-keepalive

Specify the gre keepalive

gre-keepalive Specification

Type	*Configuration Resource*
Element Name	gre-keepalive
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive
Element Attributes	gre-keepalive_attributes
Schema	`gre-keepalive schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

gre-keepalive attributes

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.12 overlay-tunnel vtep remote-ip-address use-gre-key

Specify the gre key

use-gre-key Specification

Type	*Configuration Resource*
Element Name	use-gre-key
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key
Element Attributes	use-gre-key_attributes
Schema	`use-gre-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

use-gre-key attributes

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.13 overlay-tunnel vtep remote-ip-address use-lif

Specify the interface lif

use-lif Specification

Type	*Configuration Resource*
Element Name	use-lif
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif
Element Attributes	use-lif_attributes
Schema	`use-lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

use-lif attributes

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.14 overlay-tunnel vtep remote-ip-address vni

Virtual Segment Id configured on the remote VTEP

vni Specification

Type	*Collection*
Object Key(s)	*segment*
Collection Name	*vni-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni
Element Name	vni
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}
Element Attributes	vni_attributes
Schema	`vni schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni

vni attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni

vni attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}

vni attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni

vni-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}

vni attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}

vni attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni

vni-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}

vni attributes

vni-list

vni-list is **JSON List** of *vni attributes*

vni-list : [

{ *vni attributes* },

{ *vni attributes* },

...

]

vni attributes

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.15 overlay-tunnel vtep remote-ipv6-address

Configure remote tunnel end point parameters

remote-ipv6-address Specification

Type	*Collection*
Object Key(s)	*ipv6-address*
Collection Name	*remote-ipv6-address-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address
Element Name	remote-ipv6-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}
Element Attributes	remote-ipv6-address_attributes
Schema	`remote-ipv6-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address

remote-ipv6-address attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address

remote-ipv6-address attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}

remote-ipv6-address attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address

remote-ipv6-address-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}

remote-ipv6-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}

remote-ipv6-address attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address

remote-ipv6-address-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}

remote-ipv6-address attributes

remote-ipv6-address-list

remote-ipv6-address-list is **JSON List** of *remote-ipv6-address attributes*

remote-ipv6-address-list : [

{ *remote-ipv6-address attributes* },

{ *remote-ipv6-address attributes* },

...

]

remote-ipv6-address attributes

ipv6-address

Description IPv6 Address of the remote VTEP

Type: string

Format: ipv6-address

use-lif

Description: use-lif is a **JSON Block**. Please see below for *use-lif*

Type: Object

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-lif

Specification	
Type	*object*

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.16 overlay-tunnel vtep remote-ipv6-address use-lif

Specify the interface lif

use-lif Specification

Type	*Configuration Resource*
Element Name	use-lif
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif
Element Attributes	use-lif_attributes
Schema	`use-lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

use-lif attributes

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.17 overlay-tunnel vtep source-ip-address

IP Address of the local tunnel end point

source-ip-address Specification

Type	*Configuration Resource*
Element Name	source-ip-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address
Element Attributes	source-ip-address_attributes
Schema	`source-ip-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address

source-ip-address attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address

source-ip-address attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address

source-ip-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address

source-ip-address attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address

source-ip-address attributes

source-ip-address attributes

ip-address

Description Source Tunnel End Point IPv4 address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Refernce Object: */axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni/{segment}*

vni-list

Specification	
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface number)

Type: number

Range: 1-128

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.18 overlay-tunnel vtep source-ip-address vni

IP Address of the local tunnel end point

vni Specification

Type	*Collection*
Object Key(s)	*segment*
Collection Name	*vni-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni
Element Name	vni
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni/{segment}
Element Attributes	vni_attributes
Schema	`vni schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni

vni attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni

vni attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni/{segment}

vni attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni

vni-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni/{segment}

vni attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni/{segment}

vni attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni

vni-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/source-ip-address/vni/{segment}

vni attributes

vni-list

vni-list is **JSON List** of *vni attributes*

vni-list : [

{ *vni attributes* },

{ *vni attributes* },

...

]

vni attributes

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface binding the Provider Partition to the User Partition (logical interface number)

Type: number

Range: 1-128

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.72 partition

Objects:

2.72.1 partition

Create/unload a Network partition

partition Specification

Type	*Collection*
Object Key(s)	*partition-name*
Collection Name	*partition-list*
Collection URI	/axapi/v3/partition
Element Name	partition
Element URI	/axapi/v3/partition/{partition-name}
Element Attributes	partition_attributes
Statistics Data URI	/axapi/v3/partition/{partition-name}/stats
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition

partition attributes

```
POST /axapi/v3/partition/
Payload:
{
    "partition": {
        "partition-name": "a",
        "id": 1
    }
}
```

Create List

POST

/axapi/v3/partition

partition attributes

Get Object

GET

/axapi/v3/partition/{partition-name}

partition attributes

```
GET /axapi/v3/partition/a
Reponse:
{
    "partition": {
        "partition-name": "a",
        "id": 1,
        "uuid": "a4d8e3ee-5bf1-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/partition/a"
    }
}
```

Get List

GET

/axapi/v3/partition

partition-list

Modify Object

POST

/axapi/v3/partition/{partition-name}

partition attributes

Delete Object

DELETE

/axapi/v3/partition/{partition-name}

partition attributes

```
DELETE /axapi/v3/partition/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

partition-list

partition-list is **JSON List** of *partition attributes*

partition-list : [

{ *partition attributes* },

{ *partition attributes* },

...

]

partition attributes

application-type

Description 'adc': Application type ADC; 'cgnv6': Application type CGNv6;

Type: string

Supported Values: adc, cgnv6

id

Description Specify unique Partition id

Type: number

partition-name

Description Object partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

shared-vlan

Description: shared-vlan is a **JSON Block**. Please see below for *shared-vlan*

Type: Object

Refernce Object: */axapi/v3/partition/{partition-name}/shared-vlan*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/partition/{partition-name}/template*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shared-vlan

Specification	
Type	*object*

allowable-ip-range

Type: List

allowable-ipv6-range

Type: List

mgmt-floating-ip-address

Description IPv4 Address for Shared VLAN Mgmt IP Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description

Type: number

Range: 2-4094

vrid

Description Specify VRRP-A vrid

Type: number

Range: 0-31

template

Specification	
Type	*object*

resource-accounting

Description Attach a resource accounting template (Name of the template)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.72.2 partition shared-vlan

Enable shared-vlan feature in Network partition

shared-vlan Specification

Type	*Configuration Resource*
Element Name	shared-vlan
Element URI	/axapi/v3/partition/{partition-name}/shared-vlan
Element Attributes	shared-vlan_attributes
Schema	`shared-vlan schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

Get Object

GET

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

Modify Object

POST

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

Replace Object

PUT

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

Delete Object

DELETE

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

shared-vlan attributes

allowable-ip-range

Type: List

allowable-ipv6-range

Type: List

mgmt-floating-ip-address

Description IPv4 Address for Shared VLAN Mgmt IP Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description

Type: number

Range: 2-4094

vrid

Description Specify VRRP-A vrid

Type: number

Range: 0-31

2.72.3 partition template

Attach a template to the partition

template Specification

Type	*Configuration Resource*
Element Name	template
Element URI	/axapi/v3/partition/{partition-name}/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition/{partition-name}/template

template attributes

Get Object

GET

/axapi/v3/partition/{partition-name}/template

template attributes

Modify Object

POST

/axapi/v3/partition/{partition-name}/template

template attributes

Replace Object

PUT

/axapi/v3/partition/{partition-name}/template

template attributes

Delete Object

DELETE

/axapi/v3/partition/{partition-name}/template

template attributes

template attributes

resource-accounting

Description Attach a resource accounting template (Name of the template)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73 partition-group

Objects:

2.73.1 partition-group

Modify a partition group

partition-group Specification

Type	*Collection*
Object Key(s)	*partition-group-name*
Collection Name	*partition-group-list*
Collection URI	/axapi/v3/partition-group
Element Name	partition-group
Element URI	/axapi/v3/partition-group/{partition-group-name}
Element Attributes	partition-group_attributes
Schema	`partition-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition-group

partition-group attributes

```
POST /axapi/v3/partition-group/
Payload:
{
    "partition-group": {
        "partition-group-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/partition-group

partition-group attributes

Get Object

GET

/axapi/v3/partition-group/{partition-group-name}

partition-group attributes

```
GET /axapi/v3/partition-group/a
Reponse:
{
    "partition-group": {
        "partition-group-name": "a",
        "uuid": "df769442-5bf1-11d9-abbe-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/partition-group/a"
    }
}
```

Get List

GET

/axapi/v3/partition-group

partition-group-list

Modify Object

POST

/axapi/v3/partition-group/{partition-group-name}

partition-group attributes

Replace Object

PUT

/axapi/v3/partition-group/{partition-group-name}

partition-group attributes

```
PUT /axapi/v3/partition-group/a
Payload:
{
    "partition-group": {
        "partition-group-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/partition-group

partition-group-list

Delete Object

DELETE

/axapi/v3/partition-group/{partition-group-name}

partition-group attributes

```
DELETE /axapi/v3/partition-group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

partition-group-list

partition-group-list is **JSON List** of *partition-group attributes*

partition-group-list : [

{ *partition-group attributes* },

{ *partition-group attributes* },

...

]

partition-group attributes

member-list

Type: List

partition-group-name

Description Partition Group Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list

Specification	
Type	*list*
Block object keys	

member

Description Partition Name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

2.74 pki

Objects:

2.74.1 pki

PKI Commands

pki Specification

Type	*Intermediate Resource*
Element Name	pki
Element URI	/axapi/v3/pki
Element Attributes	pki_attributes
Schema	`pki schema`

Operations Allowed:

Get Object

GET

/axapi/v3/pki

pki_attributes

pki attributes

acme-cert-list

Type: List

Refernce Object: */axapi/v3/pki/acme-cert/{name}*

ca-cert

Description: ca-cert is a **JSON Block**. Please see below for *ca-cert*

Type: Object

Refernce Object: */axapi/v3/pki/ca-cert*

cert

Description: cert is a **JSON Block**. Please see below for *cert*

Type: Object

Refernce Object: */axapi/v3/pki/cert*

cert-stats

Description: cert-stats is a **JSON Block**. Please see below for *cert-stats*

Type: Object

Refernce Object: /axapi/v3/pki/cert-stats

cmp-cert-list

Type: List

Refernce Object: */axapi/v3/pki/cmp-cert/{name}*

copy-cert

Description: copy-cert is a **JSON Block**. Please see below for *copy-cert*

Type: Object

Refernce Object: */axapi/v3/pki/copy-cert*

copy-key

Description: copy-key is a **JSON Block**. Please see below for *copy-key*

Type: Object

Refernce Object: */axapi/v3/pki/copy-key*

create-oper

Description: create-oper is a **JSON Block**. Please see below for *create-oper*

Type: Object

Refernce Object: /axapi/v3/pki/create-oper

delete

Description: delete is a **JSON Block**. Please see below for *delete*

Type: Object

Refernce Object: */axapi/v3/pki/delete*

delete-oper

Description: delete-oper is a **JSON Block**. Please see below for *delete-oper*

Type: Object

Refernce Object: /axapi/v3/pki/delete-oper

placeholder

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scep-cert-list

Type: List

Refernce Object: */axapi/v3/pki/scep-cert/{name}*

ssli

Description: ssli is a **JSON Block**. Please see below for *ssli*

Type: Object

Refernce Object: */axapi/v3/pki/ssli*

ssli

Specification	
Type	*object*

generate

Description: generate is a **JSON Block**. Please see below for *ssli_generate*

Type: Object

Refernce Object: */axapi/v3/pki/ssli/generate*

revoke

Description: revoke is a **JSON Block**. Please see below for *ssli_revoke*

Type: Object

Refernce Object: */axapi/v3/pki/ssli/revoke*

ssli_revoke

Specification	
Type	*object*

port

Description port number

Type: number

Range: 0-65534

serial

Description Serial number in hex

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ssli_generate

Specification	
Type	*object*

crl

Description: crl is a **JSON Block**. Please see below for *ssli_generate_crl*

Type: Object

Refernce Object: */axapi/v3/pki/ssli/generate/crl*

ssli_generate_crl

Specification	
Type	*object*

port

Description port number

Type: number

Range: 0-65534

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

cert-stats

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cmp-cert-list

Specification	
Type	*list*
Block object keys	

allow-unprotected-errors

Description Accept missing or invalid protection of negative responses(CA likes EJCBA tends to not protect negative responses)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-type

Description Specify the type of certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cmp-trusted-ca

Description The specific CA to trust while verifying signature of CMP response message

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

cmp-trusted-cert

Description The specific CMP server certificate to use and directly trust when verifying signature of CMP response message

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ec-key-length

Description '256': Key size 256 bits; '384': Key size 384 bits(default);

Type: string

Supported Values: 256, 384

Default: 384

ecdsa-type

Description ECDSA certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ecdsa-type and rsa-type are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

enroll

Description Initiates enrollment of device with the CA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description Level for logging output of CMP commands(default 1 and detailed 2)

Type: number

Range: 1-2

Default: 1

max-polltime

Description Maximum time in seconds a(n) enrollment/key update may take (default 120)

Type: number

Range: 5-1024

Default: 120

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

recipient-dn

Description Distinguished Name of the CMP message recipient, i.e., the CMP server (usually a CA or RA entity)) (DN OIDis case sensitive)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 2 characters

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

rsa-key-length

Description '1024': Key size 1024 bits; '2048': Key size 2048 bits(default); '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 1024, 2048, 4096, 8192

Default: 2048

rsa-type

Description RSA certificate (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rsa-type and ecdsa-type are mutually exclusive

secret

Description Specify the pre-shared secret used to enroll the device's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description pre-shared secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

subject-alternate-name

Description: subject-alternate-name is a **JSON Block**. Please see below for *cmp-cert-list_subject-alternate-name*

Type: Object

subject-dn

Description Distinguished Name to use while enrolling the certificate(For EJBCA CA, this is the subject DN of an End Entity) (DN OID is case sensitive)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 2 characters

url

Description CMP server's absolute URL(http(s)://host:[port]/path), path is the location to use for the CMP server(aka CMP alias)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cmp-cert-list_subject-alternate-name

Specification	
Type	*object*

san-type

Description 'email': Enter e-mail address of the subject; 'dns': Enter hostname of the subject; 'ip': Enter IP address of the subject;

Type: string

Supported Values: email, dns, ip

san-value

Description Value of subject-alternate-name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

copy-key

Specification	
Type	*object*

dest-key

Description Destination key file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

overwrite

Description Overwrite the destination file if already present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotation

Description Specify rotation number of SCEP generated key file

Type: number

Range: 1-4

src-key

Description Source key file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

copy-cert

Specification	
Type	*object*

dest-cert

Description Destination certificate file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

overwrite

Description Overwrite the destination file if already present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotation

Description Specify rotation number of SCEP generated certificate file

Type: number

Range: 1-4

src-cert

Description Source certificate file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-cert

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cert

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

delete-oper

Specification	
Type	*object*

filename

Description

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

acme-cert-list

Specification	
Type	*list*
Block object keys	

cert-type

Description Specify the type of certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

domain

Description Main domain you want to issue the cert for. CA will verify whether you control this domain

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

ec-key-length

Description '256': Key size 256 bits; '384': Key size 384 bits(default);

Type: string

Supported Values: 256, 384

Default: 384

ecdsa-type

Description ECDSA certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ecdsa-type and rsa-type are mutually exclusive

email

Description A valid email address for your ACME account. CA uses this email to send you expiration or other notices

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

enroll

Description Initiates enrollment with CA. Due to CA rate limit, A10 strongly recommend you set "run-with-staging-server" during test

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force

Description Ignore the next renewal time and force to renew cert

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description Level for logging output of ACME commands(default 1 and detailed 2, including debug messages)

Type: number

Range: 1-2

Default: 1

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

rsa-key-length

Description '2048': Key size 2048 bits(default); '3072': Key size 3072 bits; '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 2048, 3072, 4096, 8192

Default: 2048

rsa-type

Description RSA certificate (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rsa-type and ecdsa-type are mutually exclusive

san-domain

Description Subject-alternate-name dns(s) for your cert, sperated by /

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

staging

Description Run ACME operation with staging server. Due to CA rate limit, A10 strongly recommends you set this during test

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

staging-url

Description ACME staging directory URL. By default, use Let's encrypt as CA server

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

url

Description ACME directory URL. By default, use Let's encrypt as CA server

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify ha VRRP-A vrid. It is used to sync http-01 challenge token

Type: number

Range: 0-31

create-oper

Specification	
Type	*object*

bits

Description '1024': 1024; '2048': 2048; '4096': 4096;

Type: string

Supported Values: 256, 384, 1024, 2048, 4096

Default: 1024

cert-type

Description 'rsa': rsa; 'ecdsa': ecdsa;

Type: string

Supported Values: rsa, ecdsa

Default: rsa

common-name

Description

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

country

Description

Type: string

Maximum Length: 3 characters

Maximum Length: 2 characters

csr-generate

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

digest

Description 'sha1': sha1; 'sha256': sha256; 'sha384': sha384; 'sha512': sha512;

Type: string

Supported Values: sha1, sha256, sha384, sha512

Default: sha1

division

Description

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

email

Description

Type: string

Format: email-addr

Maximum Length: 64 characters

Maximum Length: 1 characters

filename

Description

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

locality

Description

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

organization

Description

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rootca

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secured

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

state-province

Description

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

v3-request

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

valid-days

Description

Type: number

Range: 30-3650

Default: 730

scep-cert-list

Specification	
Type	*list*
Block object keys	

days

Description Validity of self-signed certificate (default 1825)

Type: number

Range: 1-3650

Default: 1825

dn

Description Specify the Distinguished-Name to use while enrolling the certificate (Format: "cn=user, dc=example, dc=com")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

end-date

Description End date of self-signed certificate in YYMMDDHHMMSS format specified in UTC time

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

enroll

Description Initiates enrollment of device with the CA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Interval time in seconds to poll when SCEP response is PENDING (default 5)

Type: number

Range: 1-3600

Default: 5

key-length

Description '1024': Key size 1024 bits; '2048': Key size 2048 bits(default); '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 1024, 2048, 4096, 8192

Default: 2048

log-level

Description level for logging output of scepclient commands(default 1 and detailed 4)

Type: number

Range: 1-4

Default: 1

max-polltime

Description Maximum time in seconds to poll when SCEP response is PENDING (default 180)

Type: number

Range: 15-432000

Default: 180

method

Description 'GET': GET request; 'POST': POST request;

Type: string

Supported Values: GET, POST

Default: GET

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify the password used to enroll the device's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry;

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months;

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

start-date

Description Start date of self-signed certificate in YYMMDDHHMMSS format specified in UTC time

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

subject-alternate-name

Description: subject-alternate-name is a **JSON Block**. Please see below for *scep-cert-list_subject-alternate-name*

Type: Object

url

Description Specify the Enrollment Agent's absolute URL (Format: http://host/path)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

scep-cert-list_subject-alternate-name

Specification	
Type	*object*

san-type

Description 'email': Enter e-mail address of the subject; 'dns': Enter hostname of the subject; 'ip': Enter IP address of the subject;

Type: string

Supported Values: email, dns, ip

san-value

Description Value of subject-alternate-name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

delete

Specification	
Type	*object*

ca

Description CA certificate file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

cert-name

Description Certificate file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

crl

Description CRL file name

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

csr

Description CSR file name

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

private-key

Description Private key file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

2.74.2 pki acme-cert

ACME Certificate enrollment object

acme-cert Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*acme-cert-list*
Collection URI	/axapi/v3/pki/acme-cert
Element Name	acme-cert
Element URI	/axapi/v3/pki/acme-cert/{name}
Element Attributes	acme-cert_attributes
Schema	`acme-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/acme-cert

acme-cert attributes

Create List

POST

/axapi/v3/pki/acme-cert

acme-cert attributes

Get Object

GET

/axapi/v3/pki/acme-cert/{name}

acme-cert attributes

Get List

GET

/axapi/v3/pki/acme-cert

acme-cert-list

Modify Object

POST

/axapi/v3/pki/acme-cert/{name}

acme-cert attributes

Replace Object

PUT

/axapi/v3/pki/acme-cert/{name}

acme-cert attributes

Replace List

PUT

/axapi/v3/pki/acme-cert

acme-cert-list

Delete Object

DELETE

/axapi/v3/pki/acme-cert/{name}

acme-cert attributes

acme-cert-list

acme-cert-list is **JSON List** of *acme-cert attributes*

acme-cert-list : [

{ *acme-cert attributes* },

{ *acme-cert attributes* },

...

]

acme-cert attributes

cert-type

Description Specify the type of certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

domain

Description Main domain you want to issue the cert for. CA will verify whether you control this domain

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

ec-key-length

Description '256': Key size 256 bits; '384': Key size 384 bits(default);

Type: string

Supported Values: 256, 384

Default: 384

ecdsa-type

Description ECDSA certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ecdsa-type and rsa-type are mutually exclusive

email

Description A valid email address for your ACME account. CA uses this email to send you expiration or other notices

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

enroll

Description Initiates enrollment with CA. Due to CA rate limit, A10 strongly recommend you set "run-with-staging-server" during test

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force

Description Ignore the next renewal time and force to renew cert

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description Level for logging output of ACME commands(default 1 and detailed 2, including debug messages)

Type: number

Range: 1-2

Default: 1

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

rsa-key-length

Description '2048': Key size 2048 bits(default); '3072': Key size 3072 bits; '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 2048, 3072, 4096, 8192

Default: 2048

rsa-type

Description RSA certificate (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rsa-type and ecdsa-type are mutually exclusive

san-domain

Description Subject-alternate-name dns(s) for your cert, sperated by /

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

staging

Description Run ACME operation with staging server. Due to CA rate limit, A10 strongly recommends you set this during test

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

staging-url

Description ACME staging directory URL. By default, use Let's encrypt as CA server

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

url

Description ACME directory URL. By default, use Let's encrypt as CA server

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify ha VRRP-A vrid. It is used to sync http-01 challenge token

Type: number

Range: 0-31

2.74.3 pki cmp-cert

CMP Certificate enrollment object

cmp-cert Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*cmp-cert-list*
Collection URI	/axapi/v3/pki/cmp-cert
Element Name	cmp-cert
Element URI	/axapi/v3/pki/cmp-cert/{name}
Element Attributes	cmp-cert_attributes
Schema	`cmp-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/cmp-cert

cmp-cert attributes

Create List

POST

/axapi/v3/pki/cmp-cert

cmp-cert attributes

Get Object

GET

/axapi/v3/pki/cmp-cert/{name}

cmp-cert attributes

Get List

GET

/axapi/v3/pki/cmp-cert

cmp-cert-list

Modify Object

POST

/axapi/v3/pki/cmp-cert/{name}

cmp-cert attributes

Replace Object

PUT

/axapi/v3/pki/cmp-cert/{name}

cmp-cert attributes

Replace List

PUT

/axapi/v3/pki/cmp-cert

cmp-cert-list

Delete Object

DELETE

/axapi/v3/pki/cmp-cert/{name}

cmp-cert attributes

cmp-cert-list

cmp-cert-list is **JSON List** of *cmp-cert attributes*

cmp-cert-list : [

{ *cmp-cert attributes* },

{ *cmp-cert attributes* },

...

]

cmp-cert attributes

allow-unprotected-errors

Description Accept missing or invalid protection of negative responses(CA likes EJCBA tends to not protect negative responses)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-type

Description Specify the type of certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cmp-trusted-ca

Description The specific CA to trust while verifying signature of CMP response message

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

cmp-trusted-cert

Description The specific CMP server certificate to use and directly trust when verifying signature of CMP response message

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ec-key-length

Description '256': Key size 256 bits; '384': Key size 384 bits(default);

Type: string

Supported Values: 256, 384

Default: 384

ecdsa-type

Description ECDSA certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ecdsa-type and rsa-type are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

enroll

Description Initiates enrollment of device with the CA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description Level for logging output of CMP commands(default 1 and detailed 2)

Type: number

Range: 1-2

Default: 1

max-polltime

Description Maximum time in seconds a(n) enrollment/key update may take (default 120)

Type: number

Range: 5-1024

Default: 120

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

recipient-dn

Description Distinguished Name of the CMP message recipient, i.e., the CMP server (usually a CA or RA entity)) (DN OIDis case sensitive)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 2 characters

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

rsa-key-length

Description '1024': Key size 1024 bits; '2048': Key size 2048 bits(default); '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 1024, 2048, 4096, 8192

Default: 2048

rsa-type

Description RSA certificate (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rsa-type and ecdsa-type are mutually exclusive

secret

Description Specify the pre-shared secret used to enroll the device's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description pre-shared secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

subject-alternate-name

Description: subject-alternate-name is a **JSON Block**. Please see below for *subject-alternate-name*

Type: Object

subject-dn

Description Distinguished Name to use while enrolling the certificate(For EJBCA CA, this is the subject DN of an End Entity) (DN OID is case sensitive)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 2 characters

url

Description CMP server's absolute URL(http(s)://host:[port]/path), path is the location to use for the CMP server(aka CMP alias)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

subject-alternate-name

Specification	
Type	*object*

san-type

Description 'email': Enter e-mail address of the subject; 'dns': Enter hostname of the subject; 'ip': Enter IP address of the subject;

Type: string

Supported Values: email, dns, ip

san-value

Description Value of subject-alternate-name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.74.4 pki scep-cert

SCEP Certificate enrollment object

scep-cert Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*scep-cert-list*
Collection URI	/axapi/v3/pki/scep-cert
Element Name	scep-cert
Element URI	/axapi/v3/pki/scep-cert/{name}
Element Attributes	scep-cert_attributes
Schema	`scep-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/scep-cert

scep-cert attributes

```
POST /axapi/v3/pki/scep-cert/
Payload:
{
    "scep-cert": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/pki/scep-cert

scep-cert attributes

Get Object

GET

/axapi/v3/pki/scep-cert/{name}

scep-cert attributes

```
GET /axapi/v3/pki/scep-cert/a
Reponse:
{
    "scep-cert": {
        "name": "a",
        "log-level": 1,
        "password": 0,
        "renew-before": 0,
        "key-length": "2048",
        "method": "GET",
        "interval": 5,
        "max-polltime": 180,
        "uuid": "cd1decd8-4f8d-11e9-8379-000c2940c949",
        "user-tag": "a",
        "a10-url": "/axapi/v3/pki/scep-cert/a"
    }
}
```

Get List

GET

/axapi/v3/pki/scep-cert

scep-cert-list

Modify Object

POST

/axapi/v3/pki/scep-cert/{name}

scep-cert attributes

Replace Object

PUT

/axapi/v3/pki/scep-cert/{name}

scep-cert attributes

```
PUT /axapi/v3/pki/scep-cert/a
Payload:
{
    "scep-cert": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/pki/scep-cert

scep-cert-list

Delete Object

DELETE

/axapi/v3/pki/scep-cert/{name}

scep-cert attributes

```
DELETE /axapi/v3/pki/scep-cert/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

scep-cert-list

scep-cert-list is **JSON List** of *scep-cert attributes*

scep-cert-list : [

{ *scep-cert attributes* },

{ *scep-cert attributes* },

...

]

scep-cert attributes

days

Description Validity of self-signed certificate (default 1825)

Type: number

Range: 1-3650

Default: 1825

dn

Description Specify the Distinguished-Name to use while enrolling the certificate (Format: "cn=user, dc=example, dc=com")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

end-date

Description End date of self-signed certificate in YYMMDDHHMMSS format specified in UTC time

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

enroll

Description Initiates enrollment of device with the CA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Interval time in seconds to poll when SCEP response is PENDING (default 5)

Type: number

Range: 1-3600

Default: 5

key-length

Description '1024': Key size 1024 bits; '2048': Key size 2048 bits(default); '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 1024, 2048, 4096, 8192

Default: 2048

log-level

Description level for logging output of scepclient commands(default 1 and detailed 4)

Type: number

Range: 1-4

Default: 1

max-polltime

Description Maximum time in seconds to poll when SCEP response is PENDING (default 180)

Type: number

Range: 15-432000

Default: 180

method

Description 'GET': GET request; 'POST': POST request;

Type: string

Supported Values: GET, POST

Default: GET

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify the password used to enroll the device's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

start-date

Description Start date of self-signed certificate in YYMMDDHHMMSS format specified in UTC time

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

subject-alternate-name

Description: subject-alternate-name is a **JSON Block**. Please see below for *subject-alternate-name*

Type: Object

url

Description Specify the Enrollment Agent's absolute URL (Format: http://host/path)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

subject-alternate-name

Specification	
Type	*object*

san-type

Description 'email': Enter e-mail address of the subject; 'dns': Enter hostname of the subject; 'ip': Enter IP address of the subject;

Type: string

Supported Values: email, dns, ip

san-value

Description Value of subject-alternate-name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.74.5 pki ssli

SSLi Specific Commands

ssli Specification

Type	*Intermediate Resource*
Element Name	ssli
Element URI	/axapi/v3/pki/ssli
Element Attributes	ssli_attributes
Schema	`ssli schema`

Operations Allowed:

Get Object

GET

/axapi/v3/pki/ssli

ssli_attributes

ssli attributes

generate

Description: generate is a **JSON Block**. Please see below for *generate*

Type: Object

Refernce Object: */axapi/v3/pki/ssli/generate*

revoke

Description: revoke is a **JSON Block**. Please see below for *revoke*

Type: Object

Refernce Object: */axapi/v3/pki/ssli/revoke*

revoke

Specification	
Type	*object*

port

Description port number

Type: number

Range: 0-65534

serial

Description Serial number in hex

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

generate

Specification	
Type	*object*

crl

Description: crl is a **JSON Block**. Please see below for *generate_crl*

Type: Object

Refernce Object: */axapi/v3/pki/ssli/generate/crl*

generate_crl

Specification	
Type	*object*

port

Description port number

Type: number

Range: 0-65534

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.74.6 pki ssli generate

SSLi PKI generation commands

generate Specification

Type	*Intermediate Resource*
Element Name	generate
Element URI	/axapi/v3/pki/ssli/generate
Element Attributes	generate_attributes
Schema	`generate schema`

Operations Allowed:

Get Object

GET

/axapi/v3/pki/ssli/generate

generate_attributes

generate attributes

crl

Description: crl is a **JSON Block**. Please see below for *crl*

Type: Object

Refernce Object: */axapi/v3/pki/ssli/generate/crl*

crl

Specification	
Type	*object*

port

Description port number

Type: number

Range: 0-65534

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.75 radius-server

Objects:

2.75.1 radius-server

Configure RADIUS server information

radius-server Specification

Type	*Configuration Resource*
Element Name	radius-server
Element URI	/axapi/v3/radius-server
Element Attributes	radius-server_attributes
Schema	`radius-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/radius-server

radius-server attributes

```
POST /axapi/v3/radius-server
Payload:
{
    "radius-server": {
        "default-privilege-read-write": 1
    }
}
```

Get Object

GET

/axapi/v3/radius-server

radius-server attributes

```
GET /axapi/v3/radius-server
Reponse:
{
    "radius-server": {
        "default-privilege-read-write": 1,
        "uuid": "1b68e3e0-600e-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/radius-server"
    }
}
```

Modify Object

POST

/axapi/v3/radius-server

radius-server attributes

Replace Object

PUT

/axapi/v3/radius-server

radius-server attributes

```
PUT /axapi/v3/radius-server
Payload:
{
    "radius-server": {
        "default-privilege-read-write": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/radius-server

radius-server attributes

```
DELETE /axapi/v3/radius-server
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

radius-server attributes

default-privilege-read-write

Description Specify the RADIUS default privilege

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Refernce Object: */axapi/v3/radius-server/host*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	
Type	*object*

ipv4-list

Type: List

Refernce Object: */axapi/v3/radius-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Refernce Object: */axapi/v3/radius-server/host/ipv6/{ipv6-addr}*

name-list

Type: List

Refernce Object: */axapi/v3/radius-server/host/name/{hostname}*

host_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of RADIUS server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *host_ipv4-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv4-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv4-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

host_ipv4-list_secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

host_name-list

Specification	
Type	*list*
Block object keys	

hostname

Description Hostname of RADIUS server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *host_name-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_name-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_name-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

host_name-list_secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

host_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of RADIUS server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *host_ipv6-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv6-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv6-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

host_ipv6-list_secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

2.75.2 radius-server host

Specify the RADIUS server's hostname or IP address

host Specification

Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/radius-server/host
Element Attributes	host_attributes
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/radius-server/host

host_attributes

```
GET /axapi/v3/radius-server/host
Reponse:
{
    "host": {
        "ipv4-list": [
            {
                "ipv4-addr": "3.3.3.3",
                "secret": {
                    "encrypted": "XXXXX",
                    "port-cfg": {
                        "auth-port": 1,
                        "retransmit": 3,
                        "timeout": 3
                    }
                },
                "uuid": "37723f32-600e-11d9-9363-001fa00680a0",
                "a10-url": "/axapi/v3/radius-server/host/ipv4/3.3.3.3"
            }
        ],
        "a10-url": "/axapi/v3/radius-server/host"
    }
}
```

host attributes

ipv4-list

Type: List

Refernce Object: */axapi/v3/radius-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Refernce Object: */axapi/v3/radius-server/host/ipv6/{ipv6-addr}*

name-list

Type: List

Refernce Object: */axapi/v3/radius-server/host/name/{hostname}*

ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of RADIUS server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *ipv4-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv4-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-list_secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

name-list

Specification	
Type	*list*
Block object keys	

hostname

Description Hostname of RADIUS server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *name-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

name-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *name-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

name-list_secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of RADIUS server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *ipv6-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv6-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-list_secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

2.75.3 radius-server host ipv4

Specify the hostname of RADIUS server

ipv4 Specification

Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ipv4-list*
Collection URI	/axapi/v3/radius-server/host/ipv4
Element Name	ipv4
Element URI	/axapi/v3/radius-server/host/ipv4/{ipv4-addr}
Element Attributes	ipv4_attributes
Schema	`ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/radius-server/host/ipv4

ipv4 attributes

```
POST /axapi/v3/radius-server/host/ipv4/
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "secret-value": "a",
            "port-cfg": {
                "auth-port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/radius-server/host/ipv4

ipv4 attributes

Get Object

GET

/axapi/v3/radius-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
GET /axapi/v3/radius-server/host/ipv4/3.3.3.3
Reponse:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "encrypted": "XXXXX",
            "port-cfg": {
                "auth-port": 1,
                "retransmit": 3,
                "timeout": 3
            }
        },
        "uuid": "4f62f050-600e-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/radius-server/host/ipv4/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/radius-server/host/ipv4

ipv4-list

Modify Object

POST

/axapi/v3/radius-server/host/ipv4/{ipv4-addr}

ipv4 attributes

Replace Object

PUT

/axapi/v3/radius-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
PUT /axapi/v3/radius-server/host/ipv4/3.3.3.3
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "secret-value": "abcd",
            "port-cfg": {
                "auth-port": 2
            }
        }
```

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```
    }
}
```

Replace List

PUT

/axapi/v3/radius-server/host/ipv4

ipv4-list

Delete Object

DELETE

/axapi/v3/radius-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
DELETE /axapi/v3/radius-server/host/ipv4/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv4-list

ipv4-list is **JSON List** of *ipv4 attributes*

ipv4-list : [

{ *ipv4 attributes* },

{ *ipv4 attributes* },

...

]

ipv4 attributes

ipv4-addr

Description IPV4 address of RADIUS server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

2.75.4 radius-server host ipv6

Specify the hostname of RADIUS server

ipv6 Specification

Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ipv6-list*
Collection URI	/axapi/v3/radius-server/host/ipv6
Element Name	ipv6
Element URI	/axapi/v3/radius-server/host/ipv6/{ipv6-addr}
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/radius-server/host/ipv6

ipv6 attributes

```
POST /axapi/v3/radius-server/host/ipv6/
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "secret-value": "a",
            "port-cfg": {
                "auth-port": 1
            }
```

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```
        }
    }
}
```

Create List

POST

/axapi/v3/radius-server/host/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/radius-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
GET /axapi/v3/radius-server/host/ipv6/2003::1
Reponse:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "encrypted": "XXXXX",
            "port-cfg": {
                "auth-port": 1,
                "retransmit": 3,
                "timeout": 3
            }
        },
        "uuid": "71e72e66-600e-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/radius-server/host/ipv6/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/radius-server/host/ipv6

ipv6-list

Modify Object

POST

/axapi/v3/radius-server/host/ipv6/{ipv6-addr}

ipv6 attributes

Replace Object

PUT

/axapi/v3/radius-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
PUT /axapi/v3/radius-server/host/ipv6/2003::1
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "secret-value": "abcd",
            "port-cfg": {
                "auth-port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/radius-server/host/ipv6

ipv6-list

Delete Object

DELETE

/axapi/v3/radius-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
DELETE /axapi/v3/radius-server/host/ipv6/2003::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6-list

ipv6-list is **JSON List** of *ipv6 attributes*

ipv6-list : [

{ *ipv6 attributes* },

{ *ipv6 attributes* },

...

]

ipv6 attributes

ipv6-addr

Description IPV6 address of RADIUS server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

2.75.5 radius-server host name

Specify the hostname of RADIUS server

name Specification

Type	*Collection*
Object Key(s)	*hostname*
Collection Name	*name-list*
Collection URI	/axapi/v3/radius-server/host/name
Element Name	name
Element URI	/axapi/v3/radius-server/host/name/{hostname}
Element Attributes	name_attributes
Schema	`name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/radius-server/host/name

name attributes

```
POST /axapi/v3/radius-server/host/name/
Payload:
{
    "name": {
        "hostname": "a",
        "secret": {
            "secret-value": "a",
            "port-cfg": {
                "auth-port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/radius-server/host/name

name attributes

Get Object

GET

/axapi/v3/radius-server/host/name/{hostname}

name attributes

```
GET /axapi/v3/radius-server/host/name/a
Reponse:
{
    "name": {
        "hostname": "a",
        "secret": {
            "encrypted": "XXXXX",
            "port-cfg": {
                "auth-port": 1,
                "retransmit": 3,
                "timeout": 3
            }
        },
        "uuid": "938de94c-600e-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/radius-server/host/name/a"
    }
}
```

Get List

GET

/axapi/v3/radius-server/host/name

name-list

Modify Object

POST

/axapi/v3/radius-server/host/name/{hostname}

name attributes

Replace Object

PUT

/axapi/v3/radius-server/host/name/{hostname}

name attributes

```
PUT /axapi/v3/radius-server/host/name/a
Payload:
{
    "name": {
        "hostname": "a",
        "secret": {
            "secret-value": "abcd",
            "port-cfg": {
                "auth-port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/radius-server/host/name

name-list

Delete Object

DELETE

/axapi/v3/radius-server/host/name/{hostname}

name attributes

```
DELETE /axapi/v3/radius-server/host/name/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

name-list

name-list is **JSON List** of *name attributes*

name-list : [

{ *name attributes* },

{ *name attributes* },

...

]

name attributes

hostname

Description Hostname of RADIUS server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

secret_port-cfg

Specification	
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-15

Default: 3

2.76 rate-limit

Objects:

2.76.1 rate-limit

Rate limit configuration

rate-limit Specification

Type	*Configuration Resource*
Element Name	rate-limit
Element URI	/axapi/v3/rate-limit
Element Attributes	rate-limit_attributes
Schema	`rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rate-limit

rate-limit attributes

```
POST /axapi/v3/rate-limit
Payload:
{
    "rate-limit": {
        "maxPktNum": 1000,
        "rl-type": "ctrl"
    }
}
```

Get Object

GET

/axapi/v3/rate-limit

rate-limit attributes

```
GET /axapi/v3/rate-limit
Reponse:
{
    "rate-limit": {
        "rl-type": "ctrl",
        "maxPktNum": 1000,
        "uuid": "e2cac184-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/rate-limit"
    }
}
```

Modify Object

POST

/axapi/v3/rate-limit

rate-limit attributes

Replace Object

PUT

/axapi/v3/rate-limit

rate-limit attributes

```
PUT /axapi/v3/rate-limit
Payload:
{
    "rate-limit": {
        "maxPktNum": 1000,
        "rl-type": "ctrl"
    }
}
```

Delete Object

DELETE

/axapi/v3/rate-limit

rate-limit attributes

```
DELETE /axapi/v3/rate-limit
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rate-limit attributes

maxPktNum

Description Max number of packets

Type: number

Range: 1000-100000

Default: 10000

rl-type

Description 'ctrl': The max number of packets that can be sent to kernel in 100ms;

Type: string

Supported Values: ctrl

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.77 rba

Objects:

2.77.1 rba

Role Based Access configuration

rba Specification

Type	*Configuration Resource*
Element Name	rba
Element URI	/axapi/v3/rba
Element Attributes	rba_attributes
Schema	`rba schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba

rba attributes

```
POST /axapi/v3/rba
Payload:
{
    "rba": {
        "action": "enable"
    }
}
```

Get Object

GET

/axapi/v3/rba

rba attributes

```
GET /axapi/v3/rba
Reponse:
{
    "rba": {
        "action": "enable",
        "uuid": "2a85963a-d3f7-11e9-b5be-411418673ee3",
        "role-list": [
            {
                "name": "NetworkAdmin",
                "default-privilege": "no-access",
                "partition-only": 0,
                "rule-list": [
                    {
                        "object": "network",
                        "operation": "write"
                    },
                    {
                        "object": "interface",
                        "operation": "write"
                    },
                    {
                        "object": "ipv6.neighbor.dynamic",
                        "operation": "write"
                    },
                    {
                        "object": "ipv6.neighbor.static",
                        "operation": "write"
                    },
                    {
                        "object": "scaleout",
                        "operation": "write"
                    },
                    {
                        "object": "ip.tcp",
                        "operation": "write"
                    },
                    {
                        "object": "system-jumbo-global",
                        "operation": "write"
                    },
                    {
                        "object": "ip.address",
                        "operation": "write"
                    },
                    {
                        "object": "ip.default-gateway",
                        "operation": "write"
                    },
                    {
                        "object": "ipv6.address",
                        "operation": "write"
                    },
                    {
                        "object": "ipv6.default-gateway",
                        "operation": "write"
                    },
```

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```
                    {
                        "object": "ip.route",
                        "operation": "write"
                    },
                    {
                        "object": "ipv6.route",
                        "operation": "write"
                    },
                    {
                        "object": "version",
                        "operation": "read"
                    },
                    {
                        "object": "clock.show",
                        "operation": "write"
                    },
                    {
                        "object": "rrd",
                        "operation": "read"
                    },
                    {
                        "object": "clock",
                        "operation": "read"
                    },
                    {
                        "object": "system.hardware",
                        "operation": "read"
                    },
                    {
                        "object": "system.environment",
                        "operation": "read"
                    },
                    {
                        "object": "system.memory",
                        "operation": "read"
                    },
                    {
                        "object": "system-cpu.ctrl-cpu",
                        "operation": "read"
                    },
                    {
                        "object": "system-cpu.data-cpu",
                        "operation": "read"
                    },
                    {
                        "object": "logging",
                        "operation": "write"
                    },
                    {
                        "object": "ntp.server",
                        "operation": "write"
                    },
                    {
                        "object": "ntp.auth-key",
                        "operation": "write"
                    },
                    {
```

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```
                "object": "timezone",
                "operation": "write"
            },
            {
                "object": "ntp-status",
                "operation": "write"
            },
            {
                "object": "ntp.trusted-key",
                "operation": "write"
            },
            {
                "object": "snmp-server",
                "operation": "write"
            },
            {
                "object": "sflow.global",
                "operation": "write"
            },
            {
                "object": "sflow",
                "operation": "write"
            },
            {
                "object": "netflow.common",
                "operation": "write"
            },
            {
                "object": "netflow.monitor",
                "operation": "write"
            },
            {
                "object": "rba",
                "operation": "read"
            },
            {
                "object": "network.icmp-rate-limit",
                "operation": "no-access"
            },
            {
                "object": "network.icmpv6-rate-limit",
                "operation": "no-access"
            },
            {
                "object": "enable-management",
                "operation": "write"
            },
            {
                "object": "disable-management",
                "operation": "write"
            },
            {
                "object": "ipv6.access-list",
                "operation": "read"
            },
            {
                "object": "access-list",
```

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```
                    "operation": "read"
                },
                {
                    "object": "admin-session",
                    "operation": "read"
                },
                {
                    "object": "scm.license-src-info",
                    "operation": "read"
                },
                {
                    "object": "partition",
                    "operation": "read"
                },
                {
                    "object": "partition-all",
                    "operation": "read"
                },
                {
                    "object": "write.memory",
                    "operation": "write"
                },
                {
                    "object": "vcs",
                    "operation": "read"
                },
                {
                    "object": "device-context",
                    "operation": "write"
                },
                {
                    "object": "active-partition",
                    "operation": "write"
                },
                {
                    "object": "sys-audit-log",
                    "operation": "read"
                },
                {
                    "object": "syslog",
                    "operation": "read"
                },
                {
                    "object": "bootimage",
                    "operation": "read"
                }
            ],
            "uuid": "2a86368a-d3f7-11e9-b5be-411418673ee3",
            "a10-url": "/axapi/v3/rba/role/NetworkAdmin"
        },
        {
            "name": "NetworkOperator",
            "default-privilege": "no-access",
            "partition-only": 0,
            "rule-list": [
                {
                    "object": "network",
```


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```
                "operation": "read"
            },
            {
                "object": "ipv6.neighbor.static",
                "operation": "read"
            },
            {
                "object": "ipv6.neighbor.dynamic",
                "operation": "read"
            },
            {
                "object": "scaleout",
                "operation": "read"
            },
            {
                "object": "ip.tcp",
                "operation": "read"
            },
            {
                "object": "system-jumbo-global",
                "operation": "read"
            },
            {
                "object": "ip.address",
                "operation": "read"
            },
            {
                "object": "ip.default-gateway",
                "operation": "read"
            },
            {
                "object": "ipv6.address",
                "operation": "read"
            },
            {
                "object": "ipv6.default-gateway",
                "operation": "read"
            },
            {
                "object": "interface",
                "operation": "read"
            },
            {
                "object": "ip.route",
                "operation": "read"
            },
            {
                "object": "ipv6.route",
                "operation": "read"
            },
            {
                "object": "version",
                "operation": "read"
            },
            {
                "object": "rrd",
                "operation": "read"
```

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```
                    },
                    {
                        "object": "clock",
                        "operation": "read"
                    },
                    {
                        "object": "system.hardware",
                        "operation": "read"
                    },
                    {
                        "object": "system.environment",
                        "operation": "read"
                    },
                    {
                        "object": "system.memory",
                        "operation": "read"
                    },
                    {
                        "object": "system-cpu.ctrl-cpu",
                        "operation": "read"
                    },
                    {
                        "object": "system-cpu.data-cpu",
                        "operation": "read"
                    },
                    {
                        "object": "enable-management",
                        "operation": "read"
                    },
                    {
                        "object": "disable-management",
                        "operation": "read"
                    },
                    {
                        "object": "logging",
                        "operation": "read"
                    },
                    {
                        "object": "ntp.server",
                        "operation": "read"
                    },
                    {
                        "object": "ntp.auth-key",
                        "operation": "read"
                    },
                    {
                        "object": "timezone",
                        "operation": "read"
                    },
                    {
                        "object": "ntp-status",
                        "operation": "read"
                    },
                    {
                        "object": "ntp.trusted-key",
                        "operation": "read"
                    },
```

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```
                    {
                        "object": "snmp-server",
                        "operation": "read"
                    },
                    {
                        "object": "sflow.global",
                        "operation": "read"
                    },
                    {
                        "object": "sflow",
                        "operation": "read"
                    },
                    {
                        "object": "netflow.common",
                        "operation": "read"
                    },
                    {
                        "object": "netflow.monitor",
                        "operation": "read"
                    },
                    {
                        "object": "rba",
                        "operation": "read"
                    },
                    {
                        "object": "network.icmp-rate-limit",
                        "operation": "no-access"
                    },
                    {
                        "object": "network.icmpv6-rate-limit",
                        "operation": "no-access"
                    },
                    {
                        "object": "admin-session",
                        "operation": "read"
                    },
                    {
                        "object": "scm.license-src-info",
                        "operation": "read"
                    },
                    {
                        "object": "partition",
                        "operation": "read"
                    },
                    {
                        "object": "partition-all",
                        "operation": "read"
                    },
                    {
                        "object": "interface.ethernet",
                        "operation": "oper"
                    },
                    {
                        "object": "interface.ve",
                        "operation": "oper"
                    },
                    {
```

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```
                    "object": "interface.trunk",
                    "operation": "oper"
                },
                {
                    "object": "vcs",
                    "operation": "read"
                },
                {
                    "object": "device-context",
                    "operation": "write"
                },
                {
                    "object": "active-partition",
                    "operation": "write"
                },
                {
                    "object": "sys-audit-log",
                    "operation": "read"
                },
                {
                    "object": "syslog",
                    "operation": "read"
                },
                {
                    "object": "bootimage",
                    "operation": "read"
                }
            ],
            "uuid": "2a8679f6-d3f7-11e9-b5be-411418673ee3",
            "a10-url": "/axapi/v3/rba/role/NetworkOperator"
        },
        {
            "name": "PartitionNetworkOperator",
            "default-privilege": "no-access",
            "partition-only": 1,
            "rule-list": [
                {
                    "object": "network",
                    "operation": "read"
                },
                {
                    "object": "interface",
                    "operation": "read"
                },
                {
                    "object": "ipv6.neighbor.static",
                    "operation": "read"
                },
                {
                    "object": "ipv6.neighbor.dynamic",
                    "operation": "read"
                },
                {
                    "object": "scaleout",
                    "operation": "read"
                },
                {
```


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```
                "object": "ip.tcp",
                "operation": "read"
            },
            {
                "object": "system-jumbo-global",
                "operation": "read"
            },
            {
                "object": "ip.address",
                "operation": "read"
            },
            {
                "object": "ip.default-gateway",
                "operation": "read"
            },
            {
                "object": "ipv6.address",
                "operation": "read"
            },
            {
                "object": "ipv6.default-gateway",
                "operation": "read"
            },
            {
                "object": "ip.route",
                "operation": "read"
            },
            {
                "object": "ipv6.route",
                "operation": "read"
            },
            {
                "object": "version",
                "operation": "read"
            },
            {
                "object": "rrd",
                "operation": "read"
            },
            {
                "object": "clock",
                "operation": "read"
            },
            {
                "object": "system.hardware",
                "operation": "read"
            },
            {
                "object": "system.environment",
                "operation": "read"
            },
            {
                "object": "system.memory",
                "operation": "read"
            },
            {
                "object": "system-cpu.ctrl-cpu",
```

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```
                "operation": "read"
            },
            {
                "object": "system-cpu.data-cpu",
                "operation": "read"
            },
            {
                "object": "sflow.global",
                "operation": "write"
            },
            {
                "object": "sflow",
                "operation": "write"
            },
            {
                "object": "netflow.common",
                "operation": "write"
            },
            {
                "object": "netflow.monitor",
                "operation": "write"
            },
            {
                "object": "rba",
                "operation": "read"
            },
            {
                "object": "network.icmp-rate-limit",
                "operation": "no-access"
            },
            {
                "object": "network.icmpv6-rate-limit",
                "operation": "no-access"
            },
            {
                "object": "admin-session",
                "operation": "read"
            },
            {
                "object": "scm.license-src-info",
                "operation": "read"
            },
            {
                "object": "partition",
                "operation": "read"
            },
            {
                "object": "partition-all",
                "operation": "read"
            },
            {
                "object": "interface.ethernet",
                "operation": "oper"
            },
            {
                "object": "interface.ve",
                "operation": "oper"
```


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```
                },
                {
                    "object": "interface.trunk",
                    "operation": "oper"
                },
                {
                    "object": "vcs",
                    "operation": "read"
                },
                {
                    "object": "device-context",
                    "operation": "write"
                },
                {
                    "object": "active-partition",
                    "operation": "write"
                },
                {
                    "object": "sys-audit-log",
                    "operation": "read"
                },
                {
                    "object": "syslog",
                    "operation": "read"
                },
                {
                    "object": "bootimage",
                    "operation": "read"
                }
            ],
            "uuid": "2a871b0e-d3f7-11e9-b5be-411418673ee3",
            "a10-url": "/axapi/v3/rba/role/PartitionNetworkOperator"
        },
        {
            "name": "PartitionReadOnly",
            "default-privilege": "read",
            "partition-only": 1,
            "rule-list": [
                {
                    "object": "device-context",
                    "operation": "write"
                },
                {
                    "object": "active-partition",
                    "operation": "write"
                }
            ],
            "uuid": "2a8778ba-d3f7-11e9-b5be-411418673ee3",
            "a10-url": "/axapi/v3/rba/role/PartitionReadOnly"
        },
        {
            "name": "PartitionReadWrite",
            "default-privilege": "write",
            "partition-only": 1,
            "uuid": "2a877a90-d3f7-11e9-b5be-411418673ee3",
            "a10-url": "/axapi/v3/rba/role/PartitionReadWrite"
        },
```


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```
            {
                "name": "PartitionSlbServiceAdmin",
                "default-privilege": "no-access",
                "partition-only": 0,
                "rule-list": [
                    {
                        "object": "axdebug",
                        "operation": "write"
                    }
                ],
                "uuid": "589a5ebe-3b55-11ea-834e-3399029c19ac",
                "a10-url": "/axapi/v3/rba/role/PartitionSlbServiceAdmin"
            },
            {
                "name": "PartitionSlbServiceOperator",
                "default-privilege": "no-access",
                "partition-only": 1,
                "rule-list": [
                    {
                        "object": "file.aflex",
                        "operation": "read"
                    },
                    {
                        "object": "import-periodic.aflex",
                        "operation": "read"
                    },
                    {
                        "object": "slb",
                        "operation": "read"
                    },
                    {
                        "object": "file.ssl-cert",
                        "operation": "read"
                    },
                    {
                        "object": "file.ssl-key",
                        "operation": "read"
                    },
                    {
                        "object": "file.ssl-cert-key",
                        "operation": "read"
                    },
                    {
                        "object": "file.ca-cert",
                        "operation": "read"
                    },
                    {
                        "object": "file.ssl-crl",
                        "operation": "read"
                    },
                    {
                        "object": "file.csr",
                        "operation": "read"
                    },
                    {
                        "object": "session-filter",
                        "operation": "read"
```


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```
                    },
                    {
                        "object": "sessions",
                        "operation": "read"
                    },
                    {
                        "object": "system",
                        "operation": "read"
                    },
                    {
                        "object": "class-list",
                        "operation": "read"
                    },
                    {
                        "object": "file.class-list",
                        "operation": "read"
                    },
                    {
                        "object": "glid",
                        "operation": "read"
                    },
                    {
                        "object": "health",
                        "operation": "read"
                    },
                    {
                        "object": "file.health-external",
                        "operation": "read"
                    },
                    {
                        "object": "file.health-postfile",
                        "operation": "read"
                    },
                    {
                        "object": "file.bw-list",
                        "operation": "read"
                    },
                    {
                        "object": "import-periodic.bw-list",
                        "operation": "read"
                    },
                    {
                        "object": "ip.nat.inside.source.list.acl-id-list",
                        "operation": "read"
                    },
                    {
                        "object": "ip.nat.inside.source.list.acl-name-list",
                        "operation": "read"
                    },
                    {
                        "object": "ipv6.nat.inside.source.list",
                        "operation": "read"
                    },
                    {
                        "object": "ip.nat.pool",
                        "operation": "read"
                    },
```

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```
                    {
                        "object": "ip.nat.template.logging",
                        "operation": "read"
                    },
                    {
                        "object": "interface.ethernet",
                        "operation": "read"
                    },
                    {
                        "object": "interface.ve",
                        "operation": "read"
                    },
                    {
                        "object": "ipv6.nat.pool",
                        "operation": "read"
                    },
                    {
                        "object": "ip.nat.range-list",
                        "operation": "read"
                    },
                    {
                        "object": "ip.nat.pool-group",
                        "operation": "read"
                    },
                    {
                        "object": "ipv6.nat.pool-group",
                        "operation": "read"
                    },
                    {
                        "object": "ip.nat.inside.source.static",
                        "operation": "read"
                    },
                    {
                        "object": "version",
                        "operation": "read"
                    },
                    {
                        "object": "rrd",
                        "operation": "read"
                    },
                    {
                        "object": "clock",
                        "operation": "read"
                    },
                    {
                        "object": "system.hardware",
                        "operation": "read"
                    },
                    {
                        "object": "system.environment",
                        "operation": "read"
                    },
                    {
                        "object": "system.memory",
                        "operation": "read"
                    },
                    {
```

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```
                "object": "system-cpu.ctrl-cpu",
                "operation": "read"
            },
            {
                "object": "system-cpu.data-cpu",
                "operation": "read"
            },
            {
                "object": "network.available-trunk-list",
                "operation": "read"
            },
            {
                "object": "multi-config",
                "operation": "read"
            },
            {
                "object": "web-service",
                "operation": "read"
            },
            {
                "object": "sflow.global",
                "operation": "read"
            },
            {
                "object": "sflow",
                "operation": "write"
            },
            {
                "object": "netflow.common",
                "operation": "write"
            },
            {
                "object": "netflow.monitor",
                "operation": "write"
            },
            {
                "object": "slb.server",
                "operation": "oper"
            },
            {
                "object": "slb.virtual-server",
                "operation": "oper"
            },
            {
                "object": "rba",
                "operation": "read"
            },
            {
                "object": "admin-session",
                "operation": "read"
            },
            {
                "object": "scm.license-src-info",
                "operation": "read"
            },
            {
                "object": "partition",
```

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```
                "operation": "read"
            },
            {
                "object": "partition-all",
                "operation": "read"
            },
            {
                "object": "access-list",
                "operation": "read"
            },
            {
                "object": "ip.access-list",
                "operation": "read"
            },
            {
                "object": "ipv6.access-list",
                "operation": "read"
            },
            {
                "object": "vcs",
                "operation": "read"
            },
            {
                "object": "device-context",
                "operation": "write"
            },
            {
                "object": "active-partition",
                "operation": "write"
            },
            {
                "object": "sys-audit-log",
                "operation": "read"
            },
            {
                "object": "syslog",
                "operation": "read"
            },
            {
                "object": "bootimage",
                "operation": "read"
            },
            {
                "object": "file.startup-config",
                "operation": "read"
            },
            {
                "object": "config-sync-status",
                "operation": "read"
            },
            {
                "object": "axdebug",
                "operation": "read"
            }
        ],
        "uuid": "589bdd2a-3b55-11ea-834e-3399029c19ac",
        "a10-url": "/axapi/v3/rba/role/PartitionSlbServiceOperator"
```


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```
            },
            {
                "name": "ReadOnlyAdmin",
                "default-privilege": "read",
                "partition-only": 0,
                "rule-list": [
                    {
                        "object": "reboot",
                        "operation": "no-access"
                    },
                    {
                        "object": "reload",
                        "operation": "no-access"
                    },
                    {
                        "object": "shutdown",
                        "operation": "no-access"
                    },
                    {
                        "object": "device-context",
                        "operation": "write"
                    },
                    {
                        "object": "active-partition",
                        "operation": "write"
                    }
                ],
                "uuid": "2a85981a-d3f7-11e9-b5be-411418673ee3",
                "a10-url": "/axapi/v3/rba/role/ReadOnlyAdmin"
            },
            {
                "name": "ReadWriteAdmin",
                "default-privilege": "write",
                "partition-only": 0,
                "uuid": "2a85d172-d3f7-11e9-b5be-411418673ee3",
                "a10-url": "/axapi/v3/rba/role/ReadWriteAdmin"
            },
            {
                "name": "SharedPartViewer",
                "default-privilege": "no-access",
                "partition-only": 0,
                "rule-list": [
                    {
                        "object": "slb.template",
                        "operation": "read"
                    },
                    {
                        "object": "interface.ethernet",
                        "operation": "read"
                    },
                    {
                        "object": "clock",
                        "operation": "read"
                    },
                    {
                        "object": "timezone",
                        "operation": "read"
```


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```
                    },
                    {
                        "object": "version",
                        "operation": "read"
                    }
                ],
                "uuid": "64973304-5cc2-11d9-aff4-b1cedf1d8315",
                "a10-url": "/axapi/v3/rba/role/SharedPartViewer"
            },
            {
                "name": "SlbServiceAdmin",
                "default-privilege": "no-access",
                "partition-only": 0,
                "rule-list": [
                    {
                        "object": "rename",
                        "operation": "write"
                    },
                    {
                        "object": "file.aflex",
                        "operation": "write"
                    },
                    {
                        "object": "slb",
                        "operation": "write"
                    },
                    {
                        "object": "file.ssl-cert",
                        "operation": "write"
                    },
                    {
                        "object": "file.ssl-key",
                        "operation": "write"
                    },
                    {
                        "object": "file.ssl-cert-key",
                        "operation": "write"
                    },
                    {
                        "object": "file.ca-cert",
                        "operation": "write"
                    },
                    {
                        "object": "file.ssl-crl",
                        "operation": "write"
                    },
                    {
                        "object": "file.csr",
                        "operation": "write"
                    },
                    {
                        "object": "pki.delete",
                        "operation": "write"
                    },
                    {
                        "object": "pki.create-oper",
                        "operation": "write"
```


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```
                    },
                    {
                        "object": "pki.cmp-cert",
                        "operation": "write"
                    },
                    {
                        "object": "pki.acme-cert",
                        "operation": "write"
                    },
                    {
                        "object": "session-filter",
                        "operation": "write"
                    },
                    {
                        "object": "sessions",
                        "operation": "write"
                    },
                    {
                        "object": "system",
                        "operation": "write"
                    },
                    {
                        "object": "class-list",
                        "operation": "write"
                    },
                    {
                        "object": "file.class-list",
                        "operation": "write"
                    },
                    {
                        "object": "glid",
                        "operation": "write"
                    },
                    {
                        "object": "health",
                        "operation": "write"
                    },
                    {
                        "object": "file.health-external",
                        "operation": "write"
                    },
                    {
                        "object": "file.health-postfile",
                        "operation": "write"
                    },
                    {
                        "object": "file.bw-list",
                        "operation": "write"
                    },
                    {
                        "object": "delete.bw-list",
                        "operation": "write"
                    },
                    {
                        "object": "version",
                        "operation": "read"
                    },
```

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```
                    {
                        "object": "rrd",
                        "operation": "read"
                    },
                    {
                        "object": "clock",
                        "operation": "read"
                    },
                    {
                        "object": "system.hardware",
                        "operation": "read"
                    },
                    {
                        "object": "system.environment",
                        "operation": "read"
                    },
                    {
                        "object": "system.memory",
                        "operation": "read"
                    },
                    {
                        "object": "system-cpu.ctrl-cpu",
                        "operation": "read"
                    },
                    {
                        "object": "system-cpu.data-cpu",
                        "operation": "read"
                    },
                    {
                        "object": "network.available-trunk-list",
                        "operation": "write"
                    },
                    {
                        "object": "configure.sync",
                        "operation": "write"
                    },
                    {
                        "object": "sflow.global",
                        "operation": "write"
                    },
                    {
                        "object": "sflow",
                        "operation": "write"
                    },
                    {
                        "object": "netflow.common",
                        "operation": "write"
                    },
                    {
                        "object": "netflow.monitor",
                        "operation": "write"
                    },
                    {
                        "object": "rba",
                        "operation": "read"
                    },
                    {
```

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```
                "object": "admin-session",
                "operation": "read"
            },
            {
                "object": "scm.license-src-info",
                "operation": "read"
            },
            {
                "object": "partition",
                "operation": "read"
            },
            {
                "object": "partition-all",
                "operation": "read"
            },
            {
                "object": "slb.resource-usage",
                "operation": "read"
            },
            {
                "object": "write.memory",
                "operation": "write"
            },
            {
                "object": "import",
                "operation": "write"
            },
            {
                "object": "import-periodic",
                "operation": "write"
            },
            {
                "object": "export",
                "operation": "write"
            },
            {
                "object": "vcs",
                "operation": "read"
            },
            {
                "object": "device-context",
                "operation": "write"
            },
            {
                "object": "active-partition",
                "operation": "write"
            },
            {
                "object": "sys-audit-log",
                "operation": "read"
            },
            {
                "object": "syslog",
                "operation": "read"
            },
            {
                "object": "bootimage",
```

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```
                    "operation": "read"
                },
                {
                    "object": "access-list",
                    "operation": "read"
                },
                {
                    "object": "ip.access-list",
                    "operation": "read"
                },
                {
                    "object": "ipv6.access-list",
                    "operation": "read"
                },
                {
                    "object": "file.startup-config",
                    "operation": "write"
                },
                {
                    "object": "link.startup-config",
                    "operation": "write"
                },
                {
                    "object": "delete.startup-config",
                    "operation": "write"
                },
                {
                    "object": "ip.nat.pool",
                    "operation": "read"
                },
                {
                    "object": "ip.nat.pool-group",
                    "operation": "read"
                },
                {
                    "object": "ipv6.nat.pool",
                    "operation": "read"
                },
                {
                    "object": "ipv6.nat.pool-group",
                    "operation": "read"
                },
                {
                    "object": "config-sync-status",
                    "operation": "read"
                },
                {
                    "object": "axdebug",
                    "operation": "write"
                }
            ],
            "uuid": "589528cc-3b55-11ea-834e-3399029c19ac",
            "a10-url": "/axapi/v3/rba/role/SlbServiceAdmin"
        },
        {
            "name": "SlbServiceOperator",
            "default-privilege": "no-access",
```


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```
                "partition-only": 0,
                "rule-list": [
                    {
                        "object": "file.aflex",
                        "operation": "read"
                    },
                    {
                        "object": "import-periodic.aflex",
                        "operation": "read"
                    },
                    {
                        "object": "slb",
                        "operation": "read"
                    },
                    {
                        "object": "file.ssl-cert",
                        "operation": "read"
                    },
                    {
                        "object": "file.ssl-key",
                        "operation": "read"
                    },
                    {
                        "object": "file.ssl-cert-key",
                        "operation": "read"
                    },
                    {
                        "object": "file.ca-cert",
                        "operation": "read"
                    },
                    {
                        "object": "file.ssl-crl",
                        "operation": "read"
                    },
                    {
                        "object": "file.csr",
                        "operation": "read"
                    },
                    {
                        "object": "session-filter",
                        "operation": "read"
                    },
                    {
                        "object": "sessions",
                        "operation": "read"
                    },
                    {
                        "object": "system",
                        "operation": "read"
                    },
                    {
                        "object": "class-list",
                        "operation": "read"
                    },
                    {
                        "object": "file.class-list",
                        "operation": "read"
```


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```
                    },
                    {
                        "object": "glid",
                        "operation": "read"
                    },
                    {
                        "object": "health",
                        "operation": "read"
                    },
                    {
                        "object": "file.health-external",
                        "operation": "read"
                    },
                    {
                        "object": "file.health-postfile",
                        "operation": "read"
                    },
                    {
                        "object": "file.bw-list",
                        "operation": "read"
                    },
                    {
                        "object": "import-periodic.bw-list",
                        "operation": "read"
                    },
                    {
                        "object": "version",
                        "operation": "read"
                    },
                    {
                        "object": "rrd",
                        "operation": "read"
                    },
                    {
                        "object": "clock",
                        "operation": "read"
                    },
                    {
                        "object": "system.memory",
                        "operation": "read"
                    },
                    {
                        "object": "system-cpu.ctrl-cpu",
                        "operation": "read"
                    },
                    {
                        "object": "system-cpu.data-cpu",
                        "operation": "read"
                    },
                    {
                        "object": "network.available-trunk-list",
                        "operation": "read"
                    },
                    {
                        "object": "configure.sync",
                        "operation": "read"
                    },
```

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```
                    {
                        "object": "multi-config",
                        "operation": "write"
                    },
                    {
                        "object": "web-service",
                        "operation": "read"
                    },
                    {
                        "object": "sflow.global",
                        "operation": "read"
                    },
                    {
                        "object": "sflow",
                        "operation": "read"
                    },
                    {
                        "object": "netflow.common",
                        "operation": "read"
                    },
                    {
                        "object": "netflow.monitor",
                        "operation": "read"
                    },
                    {
                        "object": "slb.server",
                        "operation": "oper"
                    },
                    {
                        "object": "slb.virtual-server",
                        "operation": "oper"
                    },
                    {
                        "object": "rba",
                        "operation": "read"
                    },
                    {
                        "object": "admin-session",
                        "operation": "read"
                    },
                    {
                        "object": "scm.license-src-info",
                        "operation": "read"
                    },
                    {
                        "object": "partition",
                        "operation": "read"
                    },
                    {
                        "object": "partition-all",
                        "operation": "read"
                    },
                    {
                        "object": "vcs",
                        "operation": "read"
                    },
                    {
```

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```
                "object": "device-context",
                "operation": "write"
            },
            {
                "object": "active-partition",
                "operation": "read"
            },
            {
                "object": "sys-audit-log",
                "operation": "read"
            },
            {
                "object": "syslog",
                "operation": "read"
            },
            {
                "object": "bootimage",
                "operation": "read"
            },
            {
                "object": "access-list",
                "operation": "read"
            },
            {
                "object": "ip.access-list",
                "operation": "read"
            },
            {
                "object": "ipv6.access-list",
                "operation": "read"
            },
            {
                "object": "file.startup-config",
                "operation": "read"
            },
            {
                "object": "ip.nat.pool",
                "operation": "read"
            },
            {
                "object": "ip.nat.pool-group",
                "operation": "read"
            },
            {
                "object": "ipv6.nat.pool",
                "operation": "read"
            },
            {
                "object": "ipv6.nat.pool-group",
                "operation": "read"
            },
            {
                "object": "config-sync-status",
                "operation": "read"
            },
            {
                "object": "axdebug",
```

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```
                    "operation": "read"
                }
            ],
            "uuid": "5897b948-3b55-11ea-834e-3399029c19ac",
            "a10-url": "/axapi/v3/rba/role/SlbServiceOperator"
        },
        {
            "name": "SystemAdmin",
            "default-privilege": "no-access",
            "partition-only": 0,
            "rule-list": [
                {
                    "object": "version",
                    "operation": "read"
                },
                {
                    "object": "clock",
                    "operation": "read"
                },
                {
                    "object": "system.hardware",
                    "operation": "read"
                },
                {
                    "object": "system.environment",
                    "operation": "read"
                },
                {
                    "object": "system.memory",
                    "operation": "read"
                },
                {
                    "object": "system-cpu.ctrl-cpu",
                    "operation": "read"
                },
                {
                    "object": "system-cpu.data-cpu",
                    "operation": "read"
                },
                {
                    "object": "clock.show",
                    "operation": "write"
                },
                {
                    "object": "rrd",
                    "operation": "read"
                },
                {
                    "object": "vcs",
                    "operation": "write"
                },
                {
                    "object": "vcs-vblades",
                    "operation": "write"
                },
                {
                    "object": "device-context",
```


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```
                "operation": "write"
            },
            {
                "object": "syslog",
                "operation": "write"
            },
            {
                "object": "sys-audit-log",
                "operation": "write"
            },
            {
                "object": "restore",
                "operation": "write"
            },
            {
                "object": "upgrade.cf",
                "operation": "write"
            },
            {
                "object": "upgrade.hd",
                "operation": "write"
            },
            {
                "object": "backup.log",
                "operation": "write"
            },
            {
                "object": "backup-periodic",
                "operation": "write"
            },
            {
                "object": "backup.system",
                "operation": "write"
            },
            {
                "object": "terminal",
                "operation": "write"
            },
            {
                "object": "banner",
                "operation": "write"
            },
            {
                "object": "enable-management",
                "operation": "write"
            },
            {
                "object": "disable-management",
                "operation": "write"
            },
            {
                "object": "reboot",
                "operation": "write"
            },
            {
                "object": "reload",
                "operation": "write"
```

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```
                    },
                    {
                        "object": "shutdown",
                        "operation": "write"
                    },
                    {
                        "object": "ssh-login-grace-time",
                        "operation": "write"
                    },
                    {
                        "object": "monitor",
                        "operation": "write"
                    },
                    {
                        "object": "tftp",
                        "operation": "write"
                    },
                    {
                        "object": "multi-config",
                        "operation": "write"
                    },
                    {
                        "object": "web-service",
                        "operation": "write"
                    },
                    {
                        "object": "file.web-service-cert-key",
                        "operation": "write"
                    },
                    {
                        "object": "configure.sync",
                        "operation": "write"
                    },
                    {
                        "object": "bootimage",
                        "operation": "write"
                    },
                    {
                        "object": "logging",
                        "operation": "write"
                    },
                    {
                        "object": "ntp.server",
                        "operation": "write"
                    },
                    {
                        "object": "ntp.auth-key",
                        "operation": "write"
                    },
                    {
                        "object": "timezone",
                        "operation": "write"
                    },
                    {
                        "object": "ntp-status",
                        "operation": "write"
                    },
```

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```
                    {
                        "object": "ntp.trusted-key",
                        "operation": "write"
                    },
                    {
                        "object": "system.resource-usage",
                        "operation": "write"
                    },
                    {
                        "object": "cgnv6.resource-usage",
                        "operation": "write"
                    },
                    {
                        "object": "slb.resource-usage",
                        "operation": "write"
                    },
                    {
                        "object": "system.resource-accounting",
                        "operation": "write"
                    },
                    {
                        "object": "partition",
                        "operation": "write"
                    },
                    {
                        "object": "partition-all",
                        "operation": "write"
                    },
                    {
                        "object": "ldap-server.host",
                        "operation": "write"
                    },
                    {
                        "object": "tacacs-server",
                        "operation": "write"
                    },
                    {
                        "object": "radius-server",
                        "operation": "write"
                    },
                    {
                        "object": "authentication",
                        "operation": "write"
                    },
                    {
                        "object": "partition-group",
                        "operation": "write"
                    },
                    {
                        "object": "admin-lockout",
                        "operation": "write"
                    },
                    {
                        "object": "file.glm-license",
                        "operation": "write"
                    },
                    {
```

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```
                "object": "delete.glm-license",
                "operation": "write"
            },
            {
                "object": "admin",
                "operation": "write"
            },
            {
                "object": "rba",
                "operation": "write"
            },
            {
                "object": "snmp-server",
                "operation": "write"
            },
            {
                "object": "smtp",
                "operation": "write"
            },
            {
                "object": "ip.dns",
                "operation": "write"
            },
            {
                "object": "hostname",
                "operation": "write"
            },
            {
                "object": "glm",
                "operation": "write"
            },
            {
                "object": "scm.license-src-info",
                "operation": "write"
            },
            {
                "object": "admin-session",
                "operation": "read"
            },
            {
                "object": "admin-detail",
                "operation": "write"
            },
            {
                "object": "file.template",
                "operation": "write"
            },
            {
                "object": "write.memory",
                "operation": "write"
            },
            {
                "object": "file.techsupport",
                "operation": "write"
            },
            {
                "object": "interface.ethernet",
```

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```
                "operation": "read"
            },
            {
                "object": "interface.ve",
                "operation": "read"
            },
            {
                "object": "interface.management",
                "operation": "read"
            },
            {
                "object": "network.vlan",
                "operation": "read"
            },
            {
                "object": "ipv6.access-list",
                "operation": "read"
            },
            {
                "object": "access-list",
                "operation": "read"
            },
            {
                "object": "delete.partition",
                "operation": "write"
            },
            {
                "object": "export",
                "operation": "write"
            },
            {
                "object": "import",
                "operation": "write"
            },
            {
                "object": "active-partition",
                "operation": "write"
            },
            {
                "object": "system.upgrade-status",
                "operation": "read"
            },
            {
                "object": "file.startup-config",
                "operation": "write"
            },
            {
                "object": "link.startup-config",
                "operation": "write"
            },
            {
                "object": "delete.startup-config",
                "operation": "write"
            },
            {
                "object": "system.gui-image-list",
                "operation": "read"
```

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```
                    },
                    {
                        "object": "config-sync-status",
                        "operation": "read"
                    }
                ],
                "uuid": "2a85d30c-d3f7-11e9-b5be-411418673ee3",
                "a10-url": "/axapi/v3/rba/role/SystemAdmin"
            }
        ],
        "a10-url": "/axapi/v3/rba"
    }
}
```

Modify Object

POST

/axapi/v3/rba

rba attributes

Replace Object

PUT

/axapi/v3/rba

rba attributes

Delete Object

DELETE

/axapi/v3/rba

rba attributes

rba attributes

action

Description 'enable': Enable RBA; 'disable': Disable RBA;

Type: string

Supported Values: enable, disable

Default: enable

group-list

Type: List

Refernce Object: */axapi/v3/rba/group/{name}*

role-list

Type: List

Refernce Object: */axapi/v3/rba/role/{name}*

user-list

Type: List

Refernce Object: */axapi/v3/rba/user/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list

Specification	
Type	*list*
Block object keys	

name

Description Name of a RBA group

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-list

Type: List

Refernce Object: */axapi/v3/rba/group/{name}/partition/{partition-name}*

user-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list_partition-list

Specification	
Type	*list*
Block object keys	

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list_partition-list_role-list

Specification	
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/rba/role*

group-list_partition-list_rule-list

Specification	
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

group-list_user-list

Specification	
Type	*list*
Block object keys	

user

Description Users in the group

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

user-list

Specification	
Type	*list*
Block object keys	

name

Description Name of a user account

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-list

Type: List

Refernce Object: */axapi/v3/rba/user/{name}/partition/{partition-name}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-list_partition-list

Specification	
Type	*list*
Block object keys	

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-list_partition-list_role-list

Specification	
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/rba/role*

user-list_partition-list_rule-list

Specification	
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

role-list

Specification	
Type	*list*
Block object keys	

default-privilege

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, write

Default: no-access

name

Description Name for the RBA role

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-only

Description Partition RBA Role

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

role-list_rule-list

Specification	
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.77.2 rba group

RBA configuration for a group

group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*group-list*
Collection URI	/axapi/v3/rba/group
Element Name	group
Element URI	/axapi/v3/rba/group/{name}
Element Attributes	group_attributes
Schema	`group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/group

group attributes

```
POST /axapi/v3/rba/group/
Payload:
{
```

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```
    "group": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/rba/group

group attributes

Get Object

GET

/axapi/v3/rba/group/{name}

group attributes

```
GET /axapi/v3/rba/group/a
Reponse:
{
    "group": {
        "name": "a",
        "uuid": "9340745c-5bf2-11d9-abbe-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/rba/group/a"
    }
}
```

Get List

GET

/axapi/v3/rba/group

group-list

Modify Object

POST

/axapi/v3/rba/group/{name}

group attributes

Replace Object

PUT

/axapi/v3/rba/group/{name}

group attributes

```
PUT /axapi/v3/rba/group/a
Payload:
{
    "group": {
```

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```
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/rba/group

group-list

Delete Object

DELETE

/axapi/v3/rba/group/{name}

group attributes

```
DELETE /axapi/v3/rba/group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

group-list

group-list is **JSON List** of *group attributes*

group-list : [

{ *group attributes* },

{ *group attributes* },

...

]

group attributes

name

Description Name of a RBA group

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-list

Type: List

Refernce Object: */axapi/v3/rba/group/{name}/partition/{partition-name}*

user-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-list

Specification	
Type	*list*
Block object keys	

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-list_role-list

Specification	
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/rba/role*

partition-list_rule-list

Specification	
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

user-list

Specification	
Type	*list*
Block object keys	

user

Description Users in the group

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

2.77.3 rba group partition

RBA configuration for the access privilege of a group within one partition

partition Specification

Type	*Collection*
Object Key(s)	*partition-name*
Collection Name	*partition-list*
Collection URI	/axapi/v3/rba/group/{name}/partition
Element Name	partition
Element URI	/axapi/v3/rba/group/{name}/partition/{partition-name}
Element Attributes	partition_attributes
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/group/{name}/partition

partition attributes

Create List

POST

/axapi/v3/rba/group/{name}/partition

partition attributes

Get Object

GET

/axapi/v3/rba/group/{name}/partition/{partition-name}

partition attributes

Get List

GET

/axapi/v3/rba/group/{name}/partition

partition-list

Modify Object

POST

/axapi/v3/rba/group/{name}/partition/{partition-name}

partition attributes

Replace Object

PUT

/axapi/v3/rba/group/{name}/partition/{partition-name}

partition attributes

Replace List

PUT

/axapi/v3/rba/group/{name}/partition

partition-list

Delete Object

DELETE

/axapi/v3/rba/group/{name}/partition/{partition-name}

partition attributes

partition-list

partition-list is **JSON List** of *partition attributes*

partition-list : [

{ *partition attributes* },

{ *partition attributes* },

...

]

partition attributes

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

role-list

Specification	
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/rba/role*

rule-list

Specification	
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.77.4 rba role

Role configuration for RBA support

role Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*role-list*
Collection URI	/axapi/v3/rba/role
Element Name	role
Element URI	/axapi/v3/rba/role/{name}
Element Attributes	role_attributes
Schema	`role schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/role

role attributes

```
POST /axapi/v3/rba/role/
Payload:
{
    "role": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/rba/role

role attributes

Get Object

GET

/axapi/v3/rba/role/{name}

role attributes

```
GET /axapi/v3/rba/role/a
Reponse:
{
    "role": {
        "name": "a",
        "default-privilege": "no-access",
        "partition-only": 0,
        "uuid": "6bffd986-5bf3-11d9-b512-000c29b6bfdf",
        "user-tag": "a",
        "a10-url": "/axapi/v3/rba/role/a"
    }
}
```

Get List

GET

/axapi/v3/rba/role

role-list

Modify Object

POST

/axapi/v3/rba/role/{name}

role attributes

Replace Object

PUT

/axapi/v3/rba/role/{name}

role attributes

```
PUT /axapi/v3/rba/role/a
Payload:
{
    "role": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/rba/role

role-list

Delete Object

DELETE

/axapi/v3/rba/role/{name}

role attributes

```
DELETE /axapi/v3/rba/role/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

role-list

role-list is **JSON List** of *role attributes*

role-list : [

{ *role attributes* },

{ *role attributes* },

...

]

role attributes

default-privilege

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, write

Default: no-access

name

Description Name for the RBA role

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-only

Description Partition RBA Role

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-list

Specification	
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.77.5 rba user

RBA configuration for a user

user Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*user-list*
Collection URI	/axapi/v3/rba/user
Element Name	user
Element URI	/axapi/v3/rba/user/{name}
Element Attributes	user_attributes
Schema	`user schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/user

user attributes

```
POST /axapi/v3/rba/user/
Payload:
{
    "user": {
        "name": "a"
    }
}
```

Create List

POST

/axapi/v3/rba/user

user attributes

Get Object

GET

/axapi/v3/rba/user/{name}

user attributes

```
GET /axapi/v3/rba/user/a
Reponse:
{
    "user": {
        "name": "a",
        "uuid": "ce046896-5bf2-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/rba/user/a"
    }
}
```

Get List

GET

/axapi/v3/rba/user

user-list

Modify Object

POST

/axapi/v3/rba/user/{name}

user attributes

Replace Object

PUT

/axapi/v3/rba/user/{name}

user attributes

```
PUT /axapi/v3/rba/user/a
Payload:
{
    "user": {
        "name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/rba/user

user-list

Delete Object

DELETE

/axapi/v3/rba/user/{name}

user attributes

```
DELETE /axapi/v3/rba/user/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

user-list

user-list is **JSON List** of *user attributes*

user-list : [

{ *user attributes* },

{ *user attributes* },

...

]

user attributes

name

Description Name of a user account

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-list

Type: List

Refernce Object: */axapi/v3/rba/user/{name}/partition/{partition-name}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-list

Specification	
Type	*list*
Block object keys	

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-list_role-list

Specification	
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/rba/role*

partition-list_rule-list

Specification	
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.77.6 rba user partition

RBA configuration for the access privilege of a user within one partition

partition Specification

Type	*Collection*
Object Key(s)	*partition-name*
Collection Name	*partition-list*
Collection URI	/axapi/v3/rba/user/{name}/partition
Element Name	partition
Element URI	/axapi/v3/rba/user/{name}/partition/{partition-name}
Element Attributes	partition_attributes
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/user/{name}/partition

partition attributes

Create List

POST

/axapi/v3/rba/user/{name}/partition

partition attributes

Get Object

GET

/axapi/v3/rba/user/{name}/partition/{partition-name}

partition attributes

Get List

GET

/axapi/v3/rba/user/{name}/partition

partition-list

Modify Object

POST

/axapi/v3/rba/user/{name}/partition/{partition-name}

partition attributes

Replace Object

PUT

/axapi/v3/rba/user/{name}/partition/{partition-name}

partition attributes

Replace List

PUT

/axapi/v3/rba/user/{name}/partition

partition-list

Delete Object

DELETE

/axapi/v3/rba/user/{name}/partition/{partition-name}

partition attributes

partition-list

partition-list is **JSON List** of *partition attributes*

partition-list : [

{ *partition attributes* },

{ *partition attributes* },

...

]

partition attributes

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

role-list

Specification	
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/rba/role*

rule-list

Specification	
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.78 remove-upgrade-lock

Objects:

2.78.1 remove-upgrade-lock

removing upgrade lock file mgmt_is_upgrade

remove-upgrade-lock Specification

Type	*Configuration Resource*
Element Name	remove-upgrade-lock
Element URI	/axapi/v3/remove-upgrade-lock
Element Attributes	remove-upgrade-lock_attributes
Schema	`remove-upgrade-lock schema`

Operations Allowed:

Create Object

POST

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

Get Object

GET

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

Modify Object

POST

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

Replace Object

PUT

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

Delete Object

DELETE

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

remove-upgrade-lock attributes

file

Description Lock is in the form of a file. This is not required for command.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.79 report

Objects:

2.79.1 report

Report configurations

report Specification

Type	*Configuration Resource*
Element Name	report
Element URI	/axapi/v3/report
Element Attributes	report_attributes
Schema	`report schema`

Operations Allowed:

Create Object

POST

/axapi/v3/report

report attributes

Get Object

GET

/axapi/v3/report

report attributes

Modify Object

POST

/axapi/v3/report

report attributes

Replace Object

PUT

/axapi/v3/report

report attributes

Delete Object

DELETE

/axapi/v3/report

report attributes

report attributes

debug

Description: debug is a **JSON Block**. Please see below for *debug*

Type: Object

Refernce Object: */axapi/v3/report/debug*

debug

Specification	
Type	*object*

log

Description Enable Report module's normal logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sflow

Description Enable debugging logs of sFlow parser

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.80 resource-track

Objects:

2.80.1 resource-track

Define a resource track policy template

resource-track Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*resource-track-list*
Collection URI	/axapi/v3/resource-track
Element Name	resource-track
Element URI	/axapi/v3/resource-track/{name}
Element Attributes	resource-track_attributes
Schema	`resource-track schema`

Operations Allowed:

Create Object

POST

/axapi/v3/resource-track

resource-track attributes

Create List

POST

/axapi/v3/resource-track

resource-track attributes

Get Object

GET

/axapi/v3/resource-track/{name}

resource-track attributes

Get List

GET

/axapi/v3/resource-track

resource-track-list

Modify Object

POST

/axapi/v3/resource-track/{name}

resource-track attributes

Replace Object

PUT

/axapi/v3/resource-track/{name}

resource-track attributes

Replace List

PUT

/axapi/v3/resource-track

resource-track-list

Delete Object

DELETE

/axapi/v3/resource-track/{name}

resource-track attributes

resource-track-list

resource-track-list is **JSON List** of *resource-track attributes*

resource-track-list : [

{ *resource-track attributes* },

{ *resource-track attributes* },

...

]

resource-track attributes

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

gateway

Description: gateway is a **JSON Block**. Please see below for *gateway*

Type: Object

interface

Type: List

name

Description resource track policy template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

scaleout-cfg

Description: scaleout-cfg is a **JSON Block**. Please see below for *scaleout-cfg*

Type: Object

trunk-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

vlan-cfg

Specification	
Type	*list*
Block object keys	

timeout

Description

Type: number

Range: 2-600

vlan

Description VLAN tracking (VLAN id)

Type: number

Range: 2-4094

weight

Description The failover event weight

Type: number

Range: 1-255

route

Specification	
Type	*object*

ip-destination-cfg

Type: List

ipv6-destination-cfg

Type: List

route_ipv6-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gatewayv6

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv6-address

ipv6-destination

Description IPv6 Destination Prefix

Type: string

Format: ipv6-address-plen

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

weight

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

route_ip-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance(default: match any)

Type: number

Range: 1-255

gateway

Description

Type: string

Format: ipv4-address

ip-destination

Description Destination prefix

Type: string

Format: ipv4-address

mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

weight

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

bgp

Specification	
Type	*object*

bgp-ipv4-address-cfg

Type: List

bgp-ipv6-address-cfg

Type: List

bgp_bgp-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv4-address

Description bgp IP Address

Type: string

Format: ipv4-address

weight

Description The failover event weight

Type: number

Range: 1-255

bgp_bgp-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

weight

Description The failover event weight

Type: number

Range: 1-255

interface

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

weight

Description The failover event weight

Type: number

Range: 1-255

scaleout-cfg

Specification	
Type	*object*

scaleout

Description scaleout tracking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weight

Description The failover event weight

Type: number

Range: 1-255

gateway

Specification	
Type	*object*

gw-ipv4-address-cfg

Type: List

gw-ipv6-address-cfg

Type: List

gateway_gw-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

gw-ipv4-address

Description IP Address

Type: string

Format: ipv4-address

weight

Description The failover event weight

Type: number

Range: 1-255

gateway_gw-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

gw-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

weight

Description The failover event weight

Type: number

Range: 1-255

trunk-cfg

Specification	
Type	*list*
Block object keys	

per-port-weight

Description Per port failover weight

Type: number

Range: 0-255

Default: 0

trunk

Description trunk tracking (trunk id)

Type: number

Range: 1-4096

weight

Description failover event weight

Type: number

Range: 1-255

2.81 route-map

Objects:

2.81.1 route-map

Configure route-map

route-map Specification

Type	*Collection*
Object Key(s)	*tag, action, sequence*
Collection Name	*route-map-list*
Collection URI	/axapi/v3/route-map
Element Name	route-map
Element URI	/axapi/v3/route-map/{tag}+{action}+{sequence}
Element Attributes	route-map_attributes
Schema	`route-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/route-map

route-map attributes

```
POST /axapi/v3/route-map/
Payload:
{
    "route-map": {
        "action": "permit",
        "tag": "a",
        "sequence": 1
    }
}
```

Create List

POST

/axapi/v3/route-map

route-map attributes

Get Object

GET

/axapi/v3/route-map/{tag}+{action}+{sequence}

route-map attributes

```
GET /axapi/v3/route-map/a+permit+1
Reponse:
{
    "route-map": {
        "tag": "a",
        "action": "permit",
        "sequence": 1,
        "uuid": "a215423c-60ed-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/route-map/a+permit+1"
    }
}
```

Get List

GET

/axapi/v3/route-map

route-map-list

Modify Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}

route-map attributes

Replace Object

PUT

/axapi/v3/route-map/{tag}+{action}+{sequence}

route-map attributes

```
PUT /axapi/v3/route-map/a+permit+1
Payload:
{
    "route-map": {
        "action": "permit",
        "tag": "a",
        "sequence": 1
    }
}
```

Replace List

PUT

/axapi/v3/route-map

route-map-list

Delete Object

DELETE

/axapi/v3/route-map/{tag}+{action}+{sequence}

route-map attributes

```
DELETE /axapi/v3/route-map/a+permit+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

route-map-list

route-map-list is **JSON List** of *route-map attributes*

route-map-list : [

{ *route-map attributes* },

{ *route-map attributes* },

...

]

route-map attributes

action

Description 'permit': Route map permits set operations; 'deny': Route map denies set operations;

Type: string

Supported Values: permit, deny

match

Description: match is a **JSON Block**. Please see below for *match*

Type: Object

Refernce Object: */axapi/v3/route-map/{tag}+{action}+{sequence}/match*

sequence

Description Sequence to insert to/delete from existing route-map entry

Type: number

Range: 1-65535

set

Description: set is a **JSON Block**. Please see below for *set*

Type: Object

Refernce Object: */axapi/v3/route-map/{tag}+{action}+{sequence}/set*

tag

Description Route map tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

set

Specification	
Type	*object*

aggregator

Description: aggregator is a **JSON Block**. Please see below for *set_aggregator*

Type: Object

as-path

Description: as-path is a **JSON Block**. Please see below for *set_as-path*

Type: Object

atomic-aggregate

Description BGP atomic aggregate attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-list

Description: comm-list is a **JSON Block**. Please see below for *set_comm-list*

Type: Object

community

Description BGP community attribute

Type: string

Format: string-rlx

dampening-cfg

Description: dampening-cfg is a **JSON Block**. Please see below for *set_dampening-cfg*

Type: Object

ddos

Description: ddos is a **JSON Block**. Please see below for *set_ddos*

Type: Object

extcommunity

Description: extcommunity is a **JSON Block**. Please see below for *set_extcommunity*

Type: Object

ip

Description: ip is a **JSON Block**. Please see below for *set_ip*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *set_ipv6*

Type: Object

level

Description: level is a **JSON Block**. Please see below for *set_level*

Type: Object

local-preference

Description: local-preference is a **JSON Block**. Please see below for *set_local-preference*

Type: Object

metric

Description: metric is a **JSON Block**. Please see below for *set_metric*

Type: Object

metric-type

Description: metric-type is a **JSON Block**. Please see below for *set_metric-type*

Type: Object

origin

Description: origin is a **JSON Block**. Please see below for *set_origin*

Type: Object

originator-id

Description: originator-id is a **JSON Block**. Please see below for *set_originator-id*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *set_tag*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description: weight is a **JSON Block**. Please see below for *set_weight*

Type: Object

set_extcommunity

Specification	
Type	*object*

rt

Description: rt is a **JSON Block**. Please see below for *set_extcommunity_rt*

Type: Object

soo

Description: soo is a **JSON Block**. Please see below for *set_extcommunity_soo*

Type: Object

set_extcommunity_rt

Specification	
Type	*object*

value

Description VPN extended community

Type: string

Format: string-rlx

set_extcommunity_soo

Specification	
Type	*object*

value

Description VPN extended community

Type: string

Format: string-rlx

set_origin

Specification	
Type	*object*

egp

Description remote EGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: egp igp and incomplete are mutually exclusive

igp

Description local IGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: igp egp and incomplete are mutually exclusive

incomplete

Description unknown heritage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: incomplete egp and igp are mutually exclusive

set_aggregator

Specification	
Type	*object*

aggregator-as

Description: aggregator-as is a **JSON Block**. Please see below for *set_aggregator_aggregator-as*

Type: Object

set_aggregator_aggregator-as

Specification	
Type	*object*

asn

Description AS number

Type: number

Range: 1-4294967295

ip

Description IP address of aggregator

Type: string

Format: ipv4-address

set_weight

Specification	
Type	*object*

weight-val

Description Weight value

Type: number

Range: 0-4294967295

set_level

Specification	
Type	*object*

value

Description 'level-1': Export into a level-1 area; 'level-1-2': Export into level-1 and level-2; 'level-2': Export into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

set_ip

Specification	
Type	*object*

next-hop

Description: next-hop is a **JSON Block**. Please see below for *set_ip_next-hop*

Type: Object

set_ip_next-hop

Specification	
Type	*object*

address

Description IP address of next hop

Type: string

Format: ipv4-address

set_metric

Specification	
Type	*object*

value

Description Metric value

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

set_as-path

Specification	
Type	*object*

num

Description AS number

Type: number

Range: 1-4294967295

num2

Description AS number

Type: number

Range: 1-4294967295

prepend

Description Prepend to the as-path (AS number)

Type: string

Format: string-rlx

set_comm-list

Specification	
Type	*object*

delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Community-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name v-std and v-exp are mutually exclusive

name-delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v-exp

Description Community-list number (expanded)

Type: number

Range: 100-199

Mutual Exclusion: v-exp v-std and name are mutually exclusive

v-exp-delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v-std

Description Community-list number (standard)

Type: number

Range: 1-99

Mutual Exclusion: v-std v-exp and name are mutually exclusive

set_local-preference

Specification	
Type	*object*

val

Description Preference value

Type: number

Range: 0-4294967295

set_ddos

Specification	
Type	*object*

class-list-cid

Description Class-List Cid

Type: number

Range: 1-32

class-list-name

Description Class-List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

zone

Description Zone Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

set_tag

Specification	
Type	*object*

value

Description Tag value

Type: number

Range: 0-4294967295

set_ipv6

Specification	
Type	*object*

next-hop-1

Description: next-hop-1 is a **JSON Block**. Please see below for *set_ipv6_next-hop-1*

Type: Object

set_ipv6_next-hop-1

Specification	
Type	*object*

address

Description global address of next hop

Type: string

Format: ipv6-address

local

Description: local is a **JSON Block**. Please see below for *set_ipv6_next-hop-1_local*

Type: Object

set_ipv6_next-hop-1_local

Specification	
Type	*object*

address

Description IPv6 address of next hop

Type: string

Format: ipv6-address

set_dampening-cfg

Specification	
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half-time

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-penalty

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

set_originator-id

Specification	
Type	*object*

originator-ip

Description IP address of originator

Type: string

Format: ipv4-address

set_metric-type

Specification	
Type	*object*

value

Description 'external': IS-IS external metric type; 'internal': IS-IS internal metric type; 'type-1': OSPF external type 1 metric; 'type-2': OSPF external type 2 metric;

Type: string

Supported Values: external, internal, type-1, type-2

match

Specification	
Type	*object*

as-path

Description: as-path is a **JSON Block**. Please see below for *match_as-path*

Type: Object

community

Description: community is a **JSON Block**. Please see below for *match_community*

Type: Object

extcommunity

Description: extcommunity is a **JSON Block**. Please see below for *match_extcommunity*

Type: Object

group

Description: group is a **JSON Block**. Please see below for *match_group*

Type: Object

interface

Description: interface is a **JSON Block**. Please see below for *match_interface*

Type: Object

ip

Description: ip is a **JSON Block**. Please see below for *match_ip*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *match_ipv6*

Type: Object

local-preference

Description: local-preference is a **JSON Block**. Please see below for *match_local-preference*

Type: Object

metric

Description: metric is a **JSON Block**. Please see below for *match_metric*

Type: Object

origin

Description: origin is a **JSON Block**. Please see below for *match_origin*

Type: Object

route-type

Description: route-type is a **JSON Block**. Please see below for *match_route-type*

Type: Object

scaleout

Description: scaleout is a **JSON Block**. Please see below for *match_scaleout*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *match_tag*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

match_extcommunity

Specification	
Type	*object*

extcommunity-l-name

Description: extcommunity-l-name is a **JSON Block**. Please see below for *match_extcommunity_extcommunity-l-name*

Type: Object

match_extcommunity_extcommunity-l-name

Specification	
Type	*object*

exact-match

Description Do exact matching of ecommunities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Community-list name

Type: string

Format: string-rlx

match_origin

Specification	
Type	*object*

egp

Description remote EGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: egp igp and incomplete are mutually exclusive

igp

Description local IGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: igp egp and incomplete are mutually exclusive

incomplete

Description unknown heritage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: incomplete egp and igp are mutually exclusive

match_group

Specification	
Type	*object*

group-id

Description HA or VRRP-A group id

Type: number

Range: 0-31

ha-state

Description 'active': HA or VRRP-A in Active State; 'standby': HA or VRRP-A in Standby State;

Type: string

Supported Values: active, standby

match_ip

Specification	
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *match_ip_address*

Type: Object

next-hop

Description: next-hop is a **JSON Block**. Please see below for *match_ip_next-hop*

Type: Object

peer

Description: peer is a **JSON Block**. Please see below for *match_ip_peer*

Type: Object

rib

Description: rib is a **JSON Block**. Please see below for *match_ip_rib*

Type: Object

match_ip_peer

Specification	
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1 acl2 and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2 acl1 and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name acl1 and acl2 are mutually exclusive

match_ip_next-hop

Specification	
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1 acl2 and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2 acl1 and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name acl1 and acl2 are mutually exclusive

prefix-list-1

Description: prefix-list-1 is a **JSON Block**. Please see below for *match_ip_next-hop_prefix-list-1*

Type: Object

match_ip_next-hop_prefix-list-1

Specification	
Type	*object*

name

Description IP prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

match_ip_rib

Specification	
Type	*object*

exact

Description Exact match a prefix (Prefix IPv4 address)

Type: string

Format: ipv4-cidr

Mutual Exclusion: exact reachable and unreachable are mutually exclusive

reachable

Description IP address is reachable

Type: string

Format: ipv4-address

Mutual Exclusion: reachable exact and unreachable are mutually exclusive

unreachable

Description IP address is unreachable

Type: string

Format: ipv4-address

Mutual Exclusion: unreachable exact and reachable are mutually exclusive

match_ip_address

Specification	
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1 acl2 and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2 acl1 and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name acl1 and acl2 are mutually exclusive

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *match_ip_address_prefix-list*

Type: Object

match_ip_address_prefix-list

Specification	
Type	*object*

name

Description IP prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

match_metric

Specification	
Type	*object*

value

Description Metric value

Type: number

Range: 0-4294967295

match_ipv6

Specification	
Type	*object*

address-1

Description: address-1 is a **JSON Block**. Please see below for *match_ipv6_address-1*

Type: Object

next-hop-1

Description: next-hop-1 is a **JSON Block**. Please see below for *match_ipv6_next-hop-1*

Type: Object

peer-1

Description: peer-1 is a **JSON Block**. Please see below for *match_ipv6_peer-1*

Type: Object

rib

Description: rib is a **JSON Block**. Please see below for *match_ipv6_rib*

Type: Object

match_ipv6_next-hop-1

Specification	
Type	*object*

next-hop-acl-name

Description IPv6 access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: next-hop-acl-name and v6-addr are mutually exclusive

prefix-list-name

Description IPv6 prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

v6-addr

Description IPv6 address of next hop

Type: string

Format: ipv6-address

Mutual Exclusion: v6-addr and next-hop-acl-name are mutually exclusive

match_ipv6_rib

Specification	
Type	*object*

exact

Description Exact match a prefix (Prefix IPv6 address)

Type: string

Format: ipv6-address-plen

Mutual Exclusion: exact reachable and unreachable are mutually exclusive

reachable

Description IPv6 address is reachable

Type: string

Format: ipv6-address

Mutual Exclusion: reachable exact and unreachable are mutually exclusive

unreachable

Description IPv6 address is unreachable

Type: string

Format: ipv6-address

Mutual Exclusion: unreachable exact and reachable are mutually exclusive

match_ipv6_peer-1

Specification	
Type	*object*

acl1

Description IPv6 access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1 acl2 and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2 acl1 and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name acl1 and acl2 are mutually exclusive

match_ipv6_address-1

Specification	
Type	*object*

name

Description IPv6 access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-2

Description: prefix-list-2 is a **JSON Block**. Please see below for *match_ipv6_address-1_prefix-list-2*

Type: Object

match_ipv6_address-1_prefix-list-2

Specification	
Type	*object*

name

Description IPv6 prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

match_community

Specification	
Type	*object*

name-cfg

Description: name-cfg is a **JSON Block**. Please see below for *match_community_name-cfg*

Type: Object

match_community_name-cfg

Specification	
Type	*object*

exact-match

Description Do exact matching of ecommunities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Community-list name

Type: string

Format: string-rlx

match_local-preference

Specification	
Type	*object*

val

Description Preference value

Type: number

Range: 0-4294967295

match_route-type

Specification	
Type	*object*

external

Description: external is a **JSON Block**. Please see below for *match_route-type_external*

Type: Object

match_route-type_external

Specification	
Type	*object*

value

Description 'type-1': Match OSPF External Type 1 metrics; 'type-2': Match OSPF External Type 2 metrics;

Type: string

Supported Values: type-1, type-2

match_tag

Specification	
Type	*object*

value

Description Tag value

Type: number

Range: 0-4294967295

match_as-path

Specification	
Type	*object*

name

Description AS path access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

match_interface

Specification	
Type	*object*

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetloopback, trunk, ve and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Range: 0-10

Mutual Exclusion: loopbackethernet, trunk, ve and tunnel are mutually exclusive

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

Mutual Exclusion: trunkethernet, loopback, ve and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelethernet, loopback, trunk and ve are mutually exclusive

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

Mutual Exclusion: veethernet, loopback, trunk and tunnel are mutually exclusive

match_scaleout

Specification	
Type	*object*

cluster-id

Description Scaleout Cluster-id

Type: number

Range: 1-64

operational-state

Description 'up': Scaleout is up and running; 'down': Scaleout is down or disabled;

Type: string

Supported Values: up, down

2.81.2 route-map match

Match values from routing table

match Specification

Type	*Configuration Resource*
Element Name	match
Element URI	/axapi/v3/route-map/{tag}+{action}+{sequence}/match
Element Attributes	match_attributes
Schema	`match schema`

Operations Allowed:

Create Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

```
POST /axapi/v3/route-map/a+deny+1/match
Payload:
{
```

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```
    "match": {
        "as-path": {
            "name": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

```
GET /axapi/v3/route-map/a+deny+1/match
Reponse:
{
    "match": {
        "as-path": {
            "name": "a"
        },
        "origin": {
            "egp": 0
        },
        "uuid": "a00e2822-60ee-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/route-map/a+deny+1/match"
    }
}
```

Modify Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

Replace Object

PUT

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

```
PUT /axapi/v3/route-map/a+deny+1/match
Payload:
{
    "match": {
        "as-path": {
            "name": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

```
DELETE /axapi/v3/route-map/a+deny+1/match
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

match attributes

as-path

Description: as-path is a **JSON Block**. Please see below for *as-path*

Type: Object

community

Description: community is a **JSON Block**. Please see below for *community*

Type: Object

extcommunity

Description: extcommunity is a **JSON Block**. Please see below for *extcommunity*

Type: Object

group

Description: group is a **JSON Block**. Please see below for *group*

Type: Object

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

local-preference

Description: local-preference is a **JSON Block**. Please see below for *local-preference*

Type: Object

metric

Description: metric is a **JSON Block**. Please see below for *metric*

Type: Object

origin

Description: origin is a **JSON Block**. Please see below for *origin*

Type: Object

route-type

Description: route-type is a **JSON Block**. Please see below for *route-type*

Type: Object

scaleout

Description: scaleout is a **JSON Block**. Please see below for *scaleout*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *tag*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity

Specification	
Type	*object*

extcommunity-l-name

Description: extcommunity-l-name is a **JSON Block**. Please see below for *extcommunity_extcommunity-l-name*

Type: Object

extcommunity_extcommunity-l-name

Specification	
Type	*object*

exact-match

Description Do exact matching of ecommunities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Community-list name

Type: string

Format: string-rlx

origin

Specification	
Type	*object*

egp

Description remote EGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: egp igp and incomplete are mutually exclusive

igp

Description local IGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: igp egp and incomplete are mutually exclusive

incomplete

Description unknown heritage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: incomplete egp and igp are mutually exclusive

group

Specification	
Type	*object*

group-id

Description HA or VRRP-A group id

Type: number

Range: 0-31

ha-state

Description 'active': HA or VRRP-A in Active State; 'standby': HA or VRRP-A in Standby State;

Type: string

Supported Values: active, standby

ip

Specification	
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *ip_address*

Type: Object

next-hop

Description: next-hop is a **JSON Block**. Please see below for *ip_next-hop*

Type: Object

peer

Description: peer is a **JSON Block**. Please see below for *ip_peer*

Type: Object

rib

Description: rib is a **JSON Block**. Please see below for *ip_rib*

Type: Object

ip_peer

Specification	
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1 acl2 and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2 acl1 and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name acl1 and acl2 are mutually exclusive

ip_next-hop

Specification	
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1 acl2 and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2 acl1 and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name acl1 and acl2 are mutually exclusive

prefix-list-1

Description: prefix-list-1 is a **JSON Block**. Please see below for *ip_next-hop_prefix-list-1*

Type: Object

ip_next-hop_prefix-list-1

Specification	
Type	*object*

name

Description IP prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip_rib

Specification	
Type	*object*

exact

Description Exact match a prefix (Prefix IPv4 address)

Type: string

Format: ipv4-cidr

Mutual Exclusion: exact reachable and unreachable are mutually exclusive

reachable

Description IP address is reachable

Type: string

Format: ipv4-address

Mutual Exclusion: reachable exact and unreachable are mutually exclusive

unreachable

Description IP address is unreachable

Type: string

Format: ipv4-address

Mutual Exclusion: unreachable exact and reachable are mutually exclusive

ip_address

Specification	
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1 acl2 and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2 acl1 and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name acl1 and acl2 are mutually exclusive

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *ip_address_prefix-list*

Type: Object

ip_address_prefix-list

Specification	
Type	*object*

name

Description IP prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

metric

Specification	
Type	*object*

value

Description Metric value

Type: number

Range: 0-4294967295

ipv6

Specification	
Type	*object*

address-1

Description: address-1 is a **JSON Block**. Please see below for *ipv6_address-1*

Type: Object

next-hop-1

Description: next-hop-1 is a **JSON Block**. Please see below for *ipv6_next-hop-1*

Type: Object

peer-1

Description: peer-1 is a **JSON Block**. Please see below for *ipv6_peer-1*

Type: Object

rib

Description: rib is a **JSON Block**. Please see below for *ipv6_rib*

Type: Object

ipv6_next-hop-1

Specification	
Type	*object*

next-hop-acl-name

Description IPv6 access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: next-hop-acl-name and v6-addr are mutually exclusive

prefix-list-name

Description IPv6 prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

v6-addr

Description IPv6 address of next hop

Type: string

Format: ipv6-address

Mutual Exclusion: v6-addr and next-hop-acl-name are mutually exclusive

ipv6_rib

Specification	
Type	*object*

exact

Description Exact match a prefix (Prefix IPv6 address)

Type: string

Format: ipv6-address-plen

Mutual Exclusion: exact reachable and unreachable are mutually exclusive

reachable

Description IPv6 address is reachable

Type: string

Format: ipv6-address

Mutual Exclusion: reachable exact and unreachable are mutually exclusive

unreachable

Description IPv6 address is unreachable

Type: string

Format: ipv6-address

Mutual Exclusion: unreachable exact and reachable are mutually exclusive

ipv6_peer-1

Specification	
Type	*object*

acl1

Description IPv6 access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1 acl2 and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2 acl1 and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name acl1 and acl2 are mutually exclusive

ipv6_address-1

Specification	
Type	*object*

name

Description IPv6 access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-2

Description: prefix-list-2 is a **JSON Block**. Please see below for *ipv6_address-1_prefix-list-2*

Type: Object

ipv6_address-1_prefix-list-2

Specification	
Type	*object*

name

Description IPv6 prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

community

Specification	
Type	*object*

name-cfg

Description: name-cfg is a **JSON Block**. Please see below for *community_name-cfg*

Type: Object

community_name-cfg

Specification	
Type	*object*

exact-match

Description Do exact matching of ecommunities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Community-list name

Type: string

Format: string-rlx

local-preference

Specification	
Type	*object*

val

Description Preference value

Type: number

Range: 0-4294967295

route-type

Specification	
Type	*object*

external

Description: external is a **JSON Block**. Please see below for *route-type_external*

Type: Object

route-type_external

Specification	
Type	*object*

value

Description 'type-1': Match OSPF External Type 1 metrics; 'type-2': Match OSPF External Type 2 metrics;

Type: string

Supported Values: type-1, type-2

tag

Specification	
Type	*object*

value

Description Tag value

Type: number

Range: 0-4294967295

as-path

Specification	
Type	*object*

name

Description AS path access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

interface

Specification	
Type	*object*

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetloopback, trunk, ve and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Range: 0-10

Mutual Exclusion: loopbackethernet, trunk, ve and tunnel are mutually exclusive

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

Mutual Exclusion: trunkethernet, loopback, ve and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelethernet, loopback, trunk and ve are mutually exclusive

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

Mutual Exclusion: veethernet, loopback, trunk and tunnel are mutually exclusive

scaleout

Specification	
Type	*object*

cluster-id

Description Scaleout Cluster-id

Type: number

Range: 1-64

operational-state

Description 'up': Scaleout is up and running; 'down': Scaleout is down or disabled;

Type: string

Supported Values: up, down

2.81.3 route-map set

Set values in destination routing protocol

set Specification

Type	*Configuration Resource*
Element Name	set
Element URI	/axapi/v3/route-map/{tag}+{action}+{sequence}/set
Element Attributes	set_attributes
Schema	`set schema`

Operations Allowed:

Create Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

```
POST /axapi/v3/route-map/a+permit+1/set
Payload:
{
```

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```
    "set": {
        "ip": {
            "next-hop": {
                "address": "3.3.3.3"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

```
GET /axapi/v3/route-map/a+permit+1/set
Reponse:
{
    "set": {
        "ip": {
            "next-hop": {
                "address": "3.3.3.3"
            }
        },
        "atomic-aggregate": 0,
        "dampening-cfg": {
            "dampening": 0
        },
        "origin": {
            "egp": 0
        },
        "uuid": "e8e780ec-60ef-11d9-92b2-001fa00680a0",
        "a10-url": "/axapi/v3/route-map/a+permit+1/set"
    }
}
```

Modify Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

Replace Object

PUT

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

```
PUT /axapi/v3/route-map/a+permit+1/set
Payload:
{
    "set": {
```

(continues on next page)

(continued from previous page)

```
        "ip": {
            "next-hop": {
                "address": "3.3.3.4"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

```
DELETE /axapi/v3/route-map/a+permit+1/set
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

set attributes

aggregator

Description: aggregator is a **JSON Block**. Please see below for *aggregator*

Type: Object

as-path

Description: as-path is a **JSON Block**. Please see below for *as-path*

Type: Object

atomic-aggregate

Description BGP atomic aggregate attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-list

Description: comm-list is a **JSON Block**. Please see below for *comm-list*

Type: Object

community

Description BGP community attribute

Type: string

Format: string-rlx

dampening-cfg

Description: dampening-cfg is a **JSON Block**. Please see below for *dampening-cfg*

Type: Object

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

extcommunity

Description: extcommunity is a **JSON Block**. Please see below for *extcommunity*

Type: Object

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

level

Description: level is a **JSON Block**. Please see below for *level*

Type: Object

local-preference

Description: local-preference is a **JSON Block**. Please see below for *local-preference*

Type: Object

metric

Description: metric is a **JSON Block**. Please see below for *metric*

Type: Object

metric-type

Description: metric-type is a **JSON Block**. Please see below for *metric-type*

Type: Object

origin

Description: origin is a **JSON Block**. Please see below for *origin*

Type: Object

originator-id

Description: originator-id is a **JSON Block**. Please see below for *originator-id*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *tag*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description: weight is a **JSON Block**. Please see below for *weight*

Type: Object

extcommunity

Specification	
Type	*object*

rt

Description: rt is a **JSON Block**. Please see below for *extcommunity_rt*

Type: Object

soo

Description: soo is a **JSON Block**. Please see below for *extcommunity_soo*

Type: Object

extcommunity_rt

Specification	
Type	*object*

value

Description VPN extended community

Type: string

Format: string-rlx

extcommunity_soo

Specification	
Type	*object*

value

Description VPN extended community

Type: string

Format: string-rlx

origin

Specification	
Type	*object*

egp

Description remote EGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: egp igp and incomplete are mutually exclusive

igp

Description local IGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: igp egp and incomplete are mutually exclusive

incomplete

Description unknown heritage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: incomplete egp and igp are mutually exclusive

aggregator

Specification	
Type	*object*

aggregator-as

Description: aggregator-as is a **JSON Block**. Please see below for *aggregator_aggregator-as*

Type: Object

aggregator_aggregator-as

Specification	
Type	*object*

asn

Description AS number

Type: number

Range: 1-4294967295

ip

Description IP address of aggregator

Type: string

Format: ipv4-address

weight

Specification	
Type	*object*

weight-val

Description Weight value

Type: number

Range: 0-4294967295

level

Specification	
Type	*object*

value

Description 'level-1': Export into a level-1 area; 'level-1-2': Export into level-1 and level-2; 'level-2': Export into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

ip

Specification	
Type	*object*

next-hop

Description: next-hop is a **JSON Block**. Please see below for *ip_next-hop*

Type: Object

ip_next-hop

Specification	
Type	*object*

address

Description IP address of next hop

Type: string

Format: ipv4-address

metric

Specification	
Type	*object*

value

Description Metric value

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

as-path

Specification	
Type	*object*

num

Description AS number

Type: number

Range: 1-4294967295

num2

Description AS number

Type: number

Range: 1-4294967295

prepend

Description Prepend to the as-path (AS number)

Type: string

Format: string-rlx

comm-list

Specification	
Type	*object*

delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Community-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name v-std and v-exp are mutually exclusive

name-delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v-exp

Description Community-list number (expanded)

Type: number

Range: 100-199

Mutual Exclusion: v-exp v-std and name are mutually exclusive

v-exp-delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v-std

Description Community-list number (standard)

Type: number

Range: 1-99

Mutual Exclusion: v-std v-exp and name are mutually exclusive

local-preference

Specification	
Type	*object*

val

Description Preference value

Type: number

Range: 0-4294967295

ddos

Specification	
Type	*object*

class-list-cid

Description Class-List Cid

Type: number

Range: 1-32

class-list-name

Description Class-List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

zone

Description Zone Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

tag

Specification	
Type	*object*

value

Description Tag value

Type: number

Range: 0-4294967295

ipv6

Specification	
Type	*object*

next-hop-1

Description: next-hop-1 is a **JSON Block**. Please see below for *ipv6_next-hop-1*

Type: Object

ipv6_next-hop-1

Specification	
Type	*object*

address

Description global address of next hop

Type: string

Format: ipv6-address

local

Description: local is a **JSON Block**. Please see below for *ipv6_next-hop-1_local*

Type: Object

ipv6_next-hop-1_local

Specification	
Type	*object*

address

Description IPv6 address of next hop

Type: string

Format: ipv6-address

dampening-cfg

Specification	
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half-time

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-penalty

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

originator-id

Specification	
Type	*object*

originator-ip

Description IP address of originator

Type: string

Format: ipv4-address

metric-type

Specification	
Type	*object*

value

Description 'external': IS-IS external metric type; 'internal': IS-IS internal metric type; 'type-1': OSPF external type 1 metric; 'type-2': OSPF external type 2 metric;

Type: string

Supported Values: external, internal, type-1, type-2

2.82 router

Objects:

2.82.1 router

Configure routing process

router Specification

Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/router
Element Attributes	router_attributes
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router

router_attributes

router attributes

bgp-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/router/ipv6*

isis-list

Type: List

Refernce Object: */axapi/v3/router/isis/{tag}*

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

Refernce Object: */axapi/v3/router/log*

ospf-list

Type: List

Refernce Object: */axapi/v3/router/ospf/{process-id}*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/router/rip*

ospf-list

Specification	
Type	*list*
Block object keys	

area-list

Type: List

Refernce Object: */axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *ospf-list_default-information*

Type: Object

Refernce Object: */axapi/v3/router/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distance

Description: distance is a **JSON Block**. Please see below for *ospf-list_distance*

Type: Object

distribute-internal-list

Type: List

distribute-lists

Type: List

extern-lsa-equivalence-check

Description external LSA equivalance check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-standby-extra-cost

Type: List

host-list

Type: List

log-adjacency-changes-cfg

Description: log-adjacency-changes-cfg is a **JSON Block**. Please see below for *ospf-list_log-adjacency-changes-cfg*

Type: Object

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

maximum-area

Description Maximum number of OSPF area (OSPF area limit)

Type: number

Range: 1-4294967294

neighbor-list

Type: List

network-list

Type: List

ospf-1

Description: ospf-1 is a **JSON Block**. Please see below for *ospf-list_ospf-1*

Type: Object

overflow

Description: overflow is a **JSON Block**. Please see below for *ospf-list_overflow*

Type: Object

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *ospf-list_passive-interface*

Type: Object

process-id

Description OSPF process ID

Type: number

Range: 0-65535

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ospf-list_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/ospf/{process-id}/redistribute*

rfc1583-compatible

Description Compatible with RFC 1583

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-id

Description: router-id is a **JSON Block**. Please see below for *ospf-list_router-id*

Type: Object

summary-address-list

Type: List

timers

Description: timers is a **JSON Block**. Please see below for *ospf-list_timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-list_distribute-internal-list

Specification	
Type	*list*
Block object keys	

di-area-ipv4

Description OSPF area ID as a IP address format

Type: string

Format: ipv4-address

di-area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

di-cost

Description Cost of route

Type: number

Range: 1-65535

Default: 1

di-type

Description 'lw4o6': LW4O6 Prefix; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'vip': Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, floating-ip, ip-nat, ip-nat-list, static-nat, vip, vip-only-flagged

ospf-list_distribute-lists

Specification	
Type	*list*
Block object keys	

direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

option

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ospf-id

Description OSPF process ID

Type: number

Range: 1-65535

protocol

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'lw4o6': LW4O6 Prefix; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'isis': ISO IS-IS; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, lw4o6, ip-nat, ip-nat-list, static-nat, isis, ospf, rip, static

value

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-list_router-id

Specification	
Type	*object*

value

Description OSPF router-id in IPv4 address format

Type: string

Format: ipv4-address

ospf-list_neighbor-list

Specification	
Type	*list*
Block object keys	

address

Description Neighbor address

Type: string

Format: ipv4-address

cost

Description OSPF cost for point-to-multipoint neighbor (Metric)

Type: number

Range: 1-65535

poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 1-65535

priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf-list_ospf-1

Specification	
Type	*object*

abr-type

Description: abr-type is a **JSON Block**. Please see below for *ospf-list_ospf-1_abr-type*

Type: Object

ospf-list_ospf-1_abr-type

Specification	
Type	*object*

option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'shortcut': Shortcut ABR; 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, shortcut, standard

Default: cisco

ospf-list_host-list

Specification	
Type	*list*
Block object keys	

area-cfg

Description: area-cfg is a **JSON Block**. Please see below for *ospf-list_host-list_area-cfg*

Type: Object

host-address

Description Host address

Type: string

Format: ipv4-address

ospf-list_host-list_area-cfg

Specification	
Type	*object*

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Mutual Exclusion: area-ipv4 and area-num are mutually exclusive

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

Mutual Exclusion: area-num and area-ipv4 are mutually exclusive

cost

Description Cost of host

Type: number

Range: 0-65535

Default: 0

ospf-list_log-adjacency-changes-cfg

Specification	
Type	*object*

state

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

ospf-list_area-list

Specification	
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *ospf-list_area-list_auth-cfg*

Type: Object

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

filter-lists

Type: List

nssa-cfg

Description: nssa-cfg is a **JSON Block**. Please see below for *ospf-list_area-list_nssa-cfg*

Type: Object

range-list

Type: List

shortcut

Description 'default': Set default shortcutting behavior; 'disable': Disable shortcutting through the area; 'enable': Enable shortcutting through the area;

Type: string

Supported Values: default, disable, enable

Default: default

stub-cfg

Description: stub-cfg is a **JSON Block**. Please see below for *ospf-list_area-list_stub-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

ospf-list_area-list_nssa-cfg

Specification	
Type	*object*

default-information-originate

Description Originate Type 7 default into NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

Default: 1

metric-type

Description OSPF metric type (OSPF metric type for default routes)

Type: number

Range: 1-2

Default: 2

no-redistribution

Description No redistribution into this NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-summary

Description Do not send summary LSA into NSSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nssa

Description Specify a NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translator-role

Description 'always': Translate always; 'candidate': Candidate for translator (default); 'never': Do not translate;

Type: string

Supported Values: always, candidate, never

Default: candidate

ospf-list_area-list_filter-lists

Specification	
Type	*list*
Block object keys	

acl-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

acl-name

Description Filter networks by access-list (Name of an access-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list

Description Filter networks between OSPF areas

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

plist-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

plist-name

Description Filter networks by prefix-list (Name of an IP prefix-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-list_area-list_virtual-link-list

Specification	
Type	*list*
Block object keys	

authentication-key

Description Set authentication key (Authentication key (8 chars))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

md5

Description Use MD5 algorithm (Authentication key (16 chars))

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Set message digest key (Key ID)

Type: number

Range: 1-255

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

virtual-link-auth-type

Description 'message-digest': Use message-digest authentication; 'null': Use null authentication;

Type: string

Supported Values: message-digest, null

virtual-link-authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

virtual-link-ip-addr

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

ospf-list_area-list_stub-cfg

Specification	
Type	*object*

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stub

Description Configure OSPF area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-list_area-list_auth-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest

Description Use message-digest authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-list_area-list_range-list

Specification	
Type	*list*
Block object keys	

area-range-prefix

Description Area range for IPv4 prefix

Type: string

Format: ipv4-cidr

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

Default: advertise

ospf-list_summary-address-list

Specification	
Type	*list*
Block object keys	

not-advertise

Description Suppress routes that match the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-address

Description Configure IP address summaries (Summary prefix)

Type: string

Format: ipv4-cidr

tag

Description Set tag (32-bit tag value)

Type: number

Range: 0-4294967295

ospf-list_passive-interface

Specification	
Type	*object*

eth-cfg

Type: List

lif-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

ospf-list_passive-interface_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

tunnel-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

loopback-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ve-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_lif-cfg

Specification	
Type	*list*
Block object keys	

lif

Description Logical interface (Lif interface number)

Type: number

Format: interface

lif-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

trunk-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_eth-cfg

Specification	
Type	*list*
Block object keys	

eth-address

Description Address of Interface

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

ospf-list_default-information

Specification	
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-list_overflow

Specification	
Type	*object*

database

Description: database is a **JSON Block**. Please see below for *ospf-list_overflow_database*

Type: Object

ospf-list_overflow_database

Specification	
Type	*object*

count

Description Maximum number of LSAs

Type: number

Range: 0-4294967294

Default: 4294967294

db-external

Description Maximum number of LSAs

Type: number

Range: 0-2147483647

Default: 2147483647

limit

Description 'hard': Hard limit: Instance will be shutdown if exceeded; 'soft': Soft limit: Warning will be given if exceeded;

Type: string

Supported Values: hard, soft

Default: hard

recovery-time

Description Time to recover (0 not recover)

Type: number

Range: 0-65535

Default: 0

ospf-list_distance

Specification	
Type	*object*

distance-ospf

Description: distance-ospf is a **JSON Block**. Please see below for *ospf-list_distance_distance-ospf*

Type: Object

distance-value

Description OSPF Administrative distance

Type: number

Range: 1-255

Default: 110

ospf-list_distance_distance-ospf

Specification	
Type	*object*

distance-external

Description External routes (Distance for external routes)

Type: number

Range: 1-255

distance-inter-area

Description Inter-area routes (Distance for inter-area routes)

Type: number

Range: 1-255

distance-intra-area

Description Intra-area routes (Distance for intra-area routes)

Type: number

Range: 1-255

ospf-list_redistribute

Specification	
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ip-nat

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

ospf-list_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, lw4o6, nat-map, static-nat, isis, rip, static

ospf-list_redistribute_ospf-list

Specification	
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: number

Range: 1-65535

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ospf

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

ospf-list_redistribute_ip-nat-floating-list

Specification	
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

ip-nat-prefix

Description Address

Type: string

Format: ipv4-cidr

ospf-list_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-vip

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ospf-list_redistribute_vip-floating-list

Specification	
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv4-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

ospf-list_network-list

Specification	
Type	*list*
Block object keys	

network-area

Description: network-area is a **JSON Block**. Please see below for *ospf-list_network-list_network-area*

Type: Object

network-ipv4

Description Network number

Type: string

Format: ipv4-address

network-ipv4-cidr

Description OSPF network prefix

Type: string

Format: ipv4-cidr

network-ipv4-mask

Description OSPF wild card bits

Type: string

Format: ipv4-rev-netmask

ospf-list_network-list_network-area

Specification	
Type	*object*

instance-value

Description Instance ID

Type: number

Range: 0-255

Default: 0

network-area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

network-area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

ospf-list_timers

Specification	
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *ospf-list_timers_spf*

Type: Object

ospf-list_timers_spf

Specification	
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *ospf-list_timers_spf_exp*

Type: Object

ospf-list_timers_spf_exp

Specification	
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ospf-list_ha-standby-extra-cost

Specification	
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

log

Specification	
Type	*object*

file

Description: file is a **JSON Block**. Please see below for *log_file*

Type: Object

Refernce Object: */axapi/v3/router/log/file*

log-buffer

Description Logging goes to log-buffer

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log_file

Specification	
Type	*object*

name

Description Logging filename (File name)

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

per-protocol

Description Per protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotate

Description Log file rotation (Number of backup files)

Type: number

Range: 0-100

size

Description Log file maximum size (File size in MBytes)

Type: number

Range: 0-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distance-list-cfg

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *rip_distribute-list*

Type: Object

Refernce Object: */axapi/v3/router/rip/distribute-list*

neighbor

Type: List

network-addresses

Type: List

network-interface-list-cfg

Type: List

offset-list

Description: offset-list is a **JSON Block**. Please see below for *rip_offset-list*

Type: Object

Refernce Object: */axapi/v3/router/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIP UDP receive buffer size (the RIP UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *rip_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/rip/redistribute*

rip-maximum-prefix-cfg

Description: rip-maximum-prefix-cfg is a **JSON Block**. Please see below for *rip_rip-maximum-prefix-cfg*

Type: Object

route-cfg

Type: List

timers

Description: timers is a **JSON Block**. Please see below for *rip_timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description Set routing protocol version (RIP version)

Type: number

Range: 1-2

Default: 2

rip_rip-maximum-prefix-cfg

Specification	
Type	*object*

maximum-prefix

Description Set the maximum number of RIP routes

Type: number

Range: 1-2048

maximum-prefix-thres

Description Percentage of maximum routes to generate a warning (Default 75%)

Type: number

Range: 1-100

Default: 75

rip_route-cfg

Specification	
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix network/length)

Type: string

Format: ipv4-cidr

rip_passive-interface-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_redistribute

Specification	
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

rip_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

rip_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, static-nat, ospf, static

rip_network-interface-list-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_timers

Specification	
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *rip_timers_timers-cfg*

Type: Object

rip_timers_timers-cfg

Specification	
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

rip_neighbor

Specification	
Type	*list*
Block object keys	

value

Description Neighbor address

Type: string

Format: ipv4-address

rip_offset-list

Specification	
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_offset-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distribute-list

Specification	
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *rip_distribute-list_prefix*

Type: Object

Refernce Object: */axapi/v3/router/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_distribute-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distribute-list_prefix

Specification	
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_distribute-list_prefix_prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distance-list-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Administrative distance (Distance value)

Type: number

Range: 1-255

Default: 120

distance-acl

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distance-ipv4-mask

Description IP source prefix

Type: string

Format: ipv4-cidr

rip_network-addresses

Specification	
Type	*list*
Block object keys	

network-ipv4-mask

Description IP prefix network/length, e.g., 35.0.0.0/8

Type: string

Format: ipv4-cidr

bgp-list

Specification	
Type	*list*
Block object keys	

address-family

Description: address-family is a **JSON Block**. Please see below for *bgp-list_address-family*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family*

aggregate-address-list

Type: List

as-number

Description AS number

Type: number

Range: 1-4294967295

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp-list_bgp*

Type: Object

distance-list

Type: List

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *bgp-list_neighbor*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor*

network

Description: network is a **JSON Block**. Please see below for *bgp-list_network*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/network*

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *bgp-list_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description: timers is a **JSON Block**. Please see below for *bgp-list_timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_redistribute

Specification	
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_nat-map-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_ospf-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *bgp-list_redistribute_vip*

Type: Object

bgp-list_redistribute_ip-nat-list-cfg

Specification	
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_lw4o6-cfg

Specification	
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_connected-cfg

Specification	
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_vip

Specification	
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_vip_only-not-flagged-cfg*

Type: Object

bgp-list_redistribute_vip_only-not-flagged-cfg

Specification	
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_vip_only-flagged-cfg

Specification	
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_ip-nat-cfg

Specification	
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_floating-ip-cfg

Specification	
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_isis-cfg

Specification	
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_nat-map-cfg

Specification	
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_rip-cfg

Specification	
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_ospf-cfg

Specification	
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_static-nat-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_redistribute_static-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_aggregate-address-list

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate prefix)

Type: string

Format: ipv4-cidr

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_bgp

Specification	
Type	*object*

always-compare-med

Description Allow comparing MED from different neighbors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bestpath-cfg

Description: bestpath-cfg is a **JSON Block**. Please see below for *bgp-list_bgp_bestpath-cfg*

Type: Object

bgp-restart-time

Description BGP Peer Graceful Restart time in seconds (default 90)

Type: number

Range: 1-3600

Default: 90

bgp-stalepath-time

Description BGP Graceful Restart Stalepath retention time in seconds (default 360)

Type: number

Range: 1-3600

Default: 360

dampening-cfg

Description: dampening-cfg is a **JSON Block**. Please see below for *bgp-list_bgp_dampening-cfg*

Type: Object

deterministic-med

Description Pick the best-MED path among paths advertised from the neighboring AS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-first-as

Description Enforce the first AS for EBGP routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-external-failover

Description Immediately reset session if a link to a directly connected external peer goes down

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

graceful-restart

Description Configure BGP BGP Graceful Restart

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-preference-value

Description Configure default local preference value

Type: number

Range: 0-4294967295

Default: 100

log-neighbor-changes

Description Log neighbor up/down and reset reason

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nexthop-trigger-count

Description BGP nexthop-tracking status (count)

Type: number

Range: 0-127

Default: 0

override-validation

Description override router-id validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-id

Description Override current router identifier (peers will reset) (Manually configured router identifier)

Type: string

Format: ipv4-address

scan-time

Description Configure background scan interval (Scan interval (sec) [Default:60 Disable:0])

Type: number

Range: 0-60

Default: 60

bgp-list_bgp_dampening-cfg

Specification	
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half-time

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-penalty

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_bgp_bestpath-cfg

Specification	
Type	*object*

compare-routerid

Description Compare router-id for identical EBGP paths

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore

Description Ignore as-path length in selecting a route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-as-worst

Description Treat missing MED as the least preferred one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-recv-med

Description To remove rcvd MED attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-send-med

Description To remove send MED attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_network

Specification	
Type	*object*

ip-cidr-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *bgp-list_network_synchronization*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/network/synchronization*

bgp-list_network_synchronization

Specification	
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_network_ip-cidr-list

Specification	
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv4-cidr

Description Specify network mask

Type: string

Format: ipv4-cidr

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_timers

Specification	
Type	*object*

bgp-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

bgp-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

bgp-list_neighbor

Specification	
Type	*object*

ethernet-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}*

ipv4-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}*

ve-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}*

bgp-list_neighbor_ve-neighbor-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

bgp-list_neighbor_ipv4-neighbor-list

Specification	
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-nameadvertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_neighbor_ipv4-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_peer-group-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-key

Description Configure peer-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_neighbor_peer-group-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_neighbor_peer-group-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_peer-group-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv6-neighbor-list

Specification	
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-nameadvertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_neighbor_ipv6-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ethernet-neighbor-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_neighbor_trunk-neighbor-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_distance-list

Specification	
Type	*list*
Block object keys	

acl-str

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

admin-distance

Description Define an administrative distance

Type: number

Range: 1-255

ext-routes-dist

Description Distance for routes external to the AS

Type: number

Range: 1-255

int-routes-dist

Description Distance for routes internal to the AS

Type: number

Range: 1-255

local-routes-dist

Description Distance for local routes

Type: number

Range: 1-255

src-prefix

Description IP source prefix

Type: string

Format: ipv4-cidr

bgp-list_address-family

Specification	
Type	*object*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6*

bgp-list_address-family_ipv6

Specification	
Type	*object*

aggregate-address-list

Type: List

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_bgp*

Type: Object

distance

Description: distance is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_distance*

Type: Object

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_neighbor*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor*

network

Description: network is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_network*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network*

originate

Description Distribute an IPv6 default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_distance

Specification	
Type	*object*

distance-ext

Description Distance for routes external to the AS

Type: number

Range: 1-255

distance-int

Description Distance for routes internal to the AS

Type: number

Range: 1-255

distance-local

Description Distance for local routes

Type: number

Range: 1-255

bgp-list_address-family_ipv6_redistribute

Specification	
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_ospf-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_vip*

Type: Object

bgp-list_address-family_ipv6_redistribute_ip-nat-list-cfg

Specification	
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_lw4o6-cfg

Specification	
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_nat64-cfg

Specification	
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_connected-cfg

Specification	
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_vip

Specification	
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_vip_only-not-flagged-cfg*

Type: Object

bgp-list_address-family_ipv6_redistribute_vip_only-not-flagged-cfg

Specification	
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_vip_only-flagged-cfg

Specification	
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_ip-nat-cfg

Specification	
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_floating-ip-cfg

Specification	
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_isis-cfg

Specification	
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_nat-map-cfg

Specification	
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_rip-cfg

Specification	
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_ospf-cfg

Specification	
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_static-nat-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_address-family_ipv6_redistribute_static-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_address-family_ipv6_aggregate-address-list

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate IPv6 prefix)

Type: string

Format: ipv6-address-plen

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_address-family_ipv6_bgp

Specification	
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-start-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-start-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

dampening-unreachability

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_network

Specification	
Type	*object*

ipv6-network-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_network_synchronization*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

bgp-list_address-family_ipv6_network_ipv6-network-list

Specification	
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_network_synchronization

Specification	
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor

Specification	
Type	*object*

ethernet-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

bgp-list_address-family_ipv6_neighbor_ethernet-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_peer-group-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_address-family_ipv6_neighbor_peer-group-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_peer-group-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_peer-group-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ve-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

bgp-list_address-family_ipv6_neighbor_trunk-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6

Specification	
Type	*object*

ospf-list

Type: List

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}*

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip*

ipv6_ospf-list

Specification	
Type	*list*
Block object keys	

abr-type-option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, standard

Default: cisco

area-list

Type: List

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *ipv6_ospf-list_default-information*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distribute-internal-list

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *ipv6_ospf-list_distribute-list*

Type: Object

ha-standby-extra-cost

Type: List

log-adjacency-changes

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *ipv6_ospf-list_passive-interface*

Type: Object

process-id

Description OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ipv6_ospf-list_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/redistribute*

router-id

Description router-id for the OSPF process (OSPFv3 router-id in IPv4 address format)

Type: string

Format: ipv4-address

timers

Description: timers is a **JSON Block**. Please see below for *ipv6_ospf-list_timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf-list_distribute-internal-list

Specification	
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Default: 255.255.255.255

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

cost

Description Cost

Type: number

Range: 1-65535

Default: 1

type

Description 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'vip': Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, nat64, static-nat, floating-ip, ip-nat, ip-nat-list, vip, vip-only-flagged

ipv6_ospf-list_redistribute

Specification	
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

ipv6_ospf-list_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'nat64': NAT64 Prefix; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, nat-map, static-nat, nat64, lw4o6, isis, rip, static

ipv6_ospf-list_redistribute_ospf-list

Specification	
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_ospf-list_redistribute_ip-nat-floating-list

Specification	
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ip-nat-prefix

Description Address

Type: string

Format: ipv6-address-plen

ipv6_ospf-list_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ipv6_ospf-list_redistribute_vip-floating-list

Specification	
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv6-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ipv6_ospf-list_distribute-list

Specification	
Type	*object*

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *ipv6_ospf-list_distribute-list_prefix-list*

Type: Object

ipv6_ospf-list_distribute-list_prefix-list

Specification	
Type	*object*

direction

Description 'in': Filter incoming routing updates;

Type: string

Supported Values: in

value

Description Prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_ospf-list_area-list

Specification	
Type	*list*
Block object keys	

area-ipv4

Description OSPFv3 area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPFv3 area ID as a decimal value

Type: number

Range: 0-4294967295

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Type: List

stub

Description Configure OSPFv3 area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

ipv6_ospf-list_area-list_virtual-link-list

Specification	
Type	*list*
Block object keys	

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

instance-id

Description OSPFv3 instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

value

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

ipv6_ospf-list_area-list_range-list

Specification	
Type	*list*
Block object keys	

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

value

Description Area range for IPv6 prefix

Type: string

Format: ipv6-address-plen

ipv6_ospf-list_default-information

Specification	
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf-list_passive-interface

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

ipv6_ospf-list_passive-interface_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ipv6_ospf-list_passive-interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_ospf-list_passive-interface_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ipv6_ospf-list_passive-interface_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

ipv6_ospf-list_passive-interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

ipv6_ospf-list_timers

Specification	
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *ipv6_ospf-list_timers_spf*

Type: Object

ipv6_ospf-list_timers_spf

Specification	
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *ipv6_ospf-list_timers_spf_exp*

Type: Object

ipv6_ospf-list_timers_spf_exp

Specification	
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ipv6_ospf-list_ha-standby-extra-cost

Specification	
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

ipv6_rip

Specification	
Type	*object*

aggregate-address-cfg

Type: List

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *ipv6_rip_distribute-list*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/distribute-list*

offset-list

Description: offset-list is a **JSON Block**. Please see below for *ipv6_rip_offset-list*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIPNG UDP receive buffer size (the RIPNG UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ipv6_rip_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/redistribute*

ripng-neighbor

Description: ripng-neighbor is a **JSON Block**. Please see below for *ipv6_rip_ripng-neighbor*

Type: Object

route-cfg

Type: List

route-map

Description: route-map is a **JSON Block**. Please see below for *ipv6_rip_route-map*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/route-map*

timers

Description: timers is a **JSON Block**. Please see below for *ipv6_rip_timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_offset-list

Specification	
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_offset-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_route-map

Specification	
Type	*object*

map-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_route-map_map-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-direction

Description 'in': Route map set for input filtering; 'out': Route map set for output filtering;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_passive-interface-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_redistribute

Specification	
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

ipv6_rip_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ipv6_rip_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, nat64, static-nat, ospf, static

ipv6_rip_route-cfg

Specification	
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix)

Type: string

Format: ipv6-address-plen

ipv6_rip_timers

Specification	
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *ipv6_rip_timers_timers-cfg*

Type: Object

ipv6_rip_timers_timers-cfg

Specification	
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

ipv6_rip_aggregate-address-cfg

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Set aggregate RIP route announcement (Aggregate network)

Type: string

Format: ipv6-address-plen

ipv6_rip_ripng-neighbor

Specification	
Type	*object*

ripng-neighbor-cfg

Type: List

ipv6_rip_ripng-neighbor_ripng-neighbor-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

neighbor-link-local-addr

Description IPv6 link-local address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_distribute-list

Specification	
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *ipv6_rip_distribute-list_prefix*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_distribute-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_distribute-list_prefix

Specification	
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_distribute-list_prefix_prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

isis-list

Specification	
Type	*list*
Block object keys	

address-family

Description: address-family is a **JSON Block**. Please see below for *isis-list_address-family*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

area-password-cfg

Description: area-password-cfg is a **JSON Block**. Please see below for *isis-list_area-password-cfg*

Type: Object

authentication

Description: authentication is a **JSON Block**. Please see below for *isis-list_authentication*

Type: Object

bfd

Description 'all-interfaces': Enable BFD on all interfaces;

Type: string

Supported Values: all-interfaces

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance-list

Type: List

domain-password-cfg

Description: domain-password-cfg is a **JSON Block**. Please see below for *isis-list_domain-password-cfg*

Type: Object

ha-standby-extra-cost

Type: List

ignore-lsp-errors

Description Ignore LSPs with bad checksums

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

is-type

Description 'level-1': Act as a station router only; 'level-1-2': Act as both a station router and an area router; 'level-2-only': Act as an area router only;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1

log-adjacency-changes-cfg

Description: log-adjacency-changes-cfg is a **JSON Block**. Please see below for *isis-list_log-adjacency-changes-cfg*

Type: Object

lsp-gen-interval-list

Type: List

lsp-refresh-interval

Description Set LSP refresh interval (LSP refresh time in seconds)

Type: number

Range: 1-65535

Default: 900

max-lsp-lifetime

Description Set maximum LSP lifetime (Maximum LSP lifetime in seconds)

Type: number

Range: 350-65535

Default: 1200

metric-style-list

Type: List

net-list

Type: List

passive-interface-list

Type: List

protocol-list

Type: List

redistribute

Description: redistribute is a **JSON Block**. Please see below for *isis-list_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/redistribute*

set-overload-bit-cfg

Description: set-overload-bit-cfg is a **JSON Block**. Please see below for *isis-list_set-overload-bit-cfg*

Type: Object

spf-interval-exp-list

Type: List

summary-address-list

Type: List

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default:

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis-list_domain-password-cfg

Specification	
Type	*object*

authenticate

Description: authenticate is a **JSON Block**. Please see below for *isis-list_domain-password-cfg_authenticate*

Type: Object

password

Description Set the authentication password for a routing domain (Routing domain password)

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis-list_domain-password-cfg_authenticate

Specification	
Type	*object*

snp

Description 'send-only': Send but do not check PDUs on receiving; 'validate': Send and check PDUs on receiving;

Type: string

Supported Values: send-only, validate

isis-list_set-overload-bit-cfg

Specification	
Type	*object*

on-startup

Description: on-startup is a **JSON Block**. Please see below for *isis-list_set-overload-bit-cfg_on-startup*

Type: Object

set-overload-bit

Description Signal other touers not to use us in SPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

suppress-cfg

Description: suppress-cfg is a **JSON Block**. Please see below for *isis-list_set-overload-bit-cfg_suppress-cfg*

Type: Object

isis-list_set-overload-bit-cfg_suppress-cfg

Specification	
Type	*object*

external

Description If overload-bit set, don't advertise IP prefixes learned from other protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interlevel

Description If overload-bit set, don't advertise IP prefixes learned from another ISIS level

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_set-overload-bit-cfg_on-startup

Specification	
Type	*object*

delay

Description Time in seconds to advertise ourself as overloaded after reboot

Type: number

Range: 5-86400

Mutual Exclusion: delay and wait-for-bgp are mutually exclusive

wait-for-bgp

Description Let BGP decide when to unset the overload bit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: wait-for-bgp and delay are mutually exclusive

isis-list_net-list

Specification	
Type	*list*
Block object keys	

net

Description A Network Entity Title for this process (XX.XXXX. . . . .XXXX.XX Network entity title (NET))

Type: string

Format: nasp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

isis-list_metric-style-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-1-2

type

Description 'narrow': Use old style of TLVs with narrow metric; 'wide': Use new style of TLVs to carry wider metric; 'transition': Send and accept both styles of TLVs during transition; 'narrow-transition': Send old style of TLVs with narrow metric with accepting both styles of TLVs; 'wide-transition': Send new style of TLVs to carry wider metric with accepting both styles of TLVs;

Type: string

Supported Values: narrow, wide, transition, narrow-transition, wide-transition

Default: narrow

isis-list_authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis-list_authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis-list_authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Authentication mode;

Type: string

Supported Values: md5

isis-list_authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_protocol-list

Specification	
Type	*list*
Block object keys	

protocol-topology

Description Protocol Topology

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_log-adjacency-changes-cfg

Specification	
Type	*object*

state

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

isis-list_spf-interval-exp-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Set interval for level 1 only; 'level-2': Set interval for level 2 only;

Type: string

Supported Values: level-1, level-2

max

Description Maximum Delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min

Description Minimum Delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

isis-list_passive-interface-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

lif

Description Logical interface (Lif interface number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

isis-list_summary-address-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IP network prefix

Type: string

Format: ipv4-cidr

isis-list_address-family

Specification	
Type	*object*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *isis-list_address-family_ipv6*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family/ipv6*

isis-list_address-family_ipv6

Specification	
Type	*object*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

multi-topology-cfg

Description: multi-topology-cfg is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_multi-topology-cfg*

Type: Object

redistribute

Description: redistribute is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute*

summary-prefix-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis-list_address-family_ipv6_redistribute

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

isis-list_address-family_ipv6_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

isis-list_address-family_ipv6_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, nat64, ospf, rip, static

isis-list_address-family_ipv6_redistribute_isis

Specification	
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis_level-2-from*

Type: Object

isis-list_address-family_ipv6_redistribute_isis_level-2-from

Specification	
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis_level-2-from_into-2*

Type: Object

isis-list_address-family_ipv6_redistribute_isis_level-2-from_into-2

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_address-family_ipv6_redistribute_isis_level-1-from

Specification	
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis_level-1-from_into-1*

Type: Object

isis-list_address-family_ipv6_redistribute_isis_level-1-from_into-1

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_address-family_ipv6_multi-topology-cfg

Specification	
Type	*object*

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Mutual Exclusion: level and transition are mutually exclusive

level-transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology

Description Enable multi-topology mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: transition and level are mutually exclusive

isis-list_address-family_ipv6_summary-prefix-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

isis-list_redistribute

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *isis-list_redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

isis-list_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

isis-list_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, ospf, rip, static

isis-list_redistribute_isis

Specification	
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *isis-list_redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *isis-list_redistribute_isis_level-2-from*

Type: Object

isis-list_redistribute_isis_level-2-from

Specification	
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *isis-list_redistribute_isis_level-2-from_into-2*

Type: Object

isis-list_redistribute_isis_level-2-from_into-2

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_redistribute_isis_level-1-from

Specification	
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *isis-list_redistribute_isis_level-1-from_into-1*

Type: Object

isis-list_redistribute_isis_level-1-from_into-1

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_area-password-cfg

Specification	
Type	*object*

authenticate

Description: authenticate is a **JSON Block**. Please see below for *isis-list_area-password-cfg_authenticate*

Type: Object

password

Description Configure the authentication password for an area (Area password)

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis-list_area-password-cfg_authenticate

Specification	
Type	*object*

snp

Description 'send-only': Send but do not check PDUs on receiving; 'validate': Send and check PDUs on receiving;

Type: string

Supported Values: send-only, validate

isis-list_lsp-gen-interval-list

Specification	
Type	*list*
Block object keys	

interval

Description Minimum interval in seconds

Type: number

Range: 1-120

Default: 30

level

Description 'level-1': Set interval for level 1 only; 'level-2': Set interval for level 2 only;

Type: string

Supported Values: level-1, level-2

isis-list_distance-list

Specification	
Type	*list*
Block object keys	

System-ID

Description System-ID in XXXX.XXXX.XXXX

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

isis-list_ha-standby-extra-cost

Specification	
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

2.82.2 router bgp

Border Gateway Protocol (BGP)

bgp Specification

Type	*Collection*
Object Key(s)	*as-number*
Collection Name	*bgp-list*
Collection URI	/axapi/v3/router/bgp
Element Name	bgp
Element URI	/axapi/v3/router/bgp/{as-number}
Element Attributes	bgp_attributes
Schema	`bgp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp

bgp attributes

```
POST /axapi/v3/router/bgp/
Payload:
{
    "bgp": {
        "as-number": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/router/bgp

bgp attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}

bgp attributes

```
GET /axapi/v3/router/bgp/1
Reponse:
{
    "bgp": {
        "as-number": 1,
        "bgp": {
            "always-compare-med": 0,
            "bestpath-cfg": {
                "ignore": 0,
                "compare-routerid": 0,
                "remove-recv-med": 0,
                "remove-send-med": 0,
                "missing-as-worst": 0
            },
            "dampening-cfg": {
                "dampening": 0
            },
            "local-preference-value": 100,
            "deterministic-med": 0,
            "enforce-first-as": 0,
            "fast-external-failover": 1,
            "log-neighbor-changes": 0,
            "nexthop-trigger-count": 0,
            "scan-time": 60,
            "graceful-restart": 0
        },
        "maximum-paths-value": 1,
        "originate": 0,
        "timers": {
            "bgp-keepalive": 30,
            "bgp-holdtime": 90
        },
        "synchronization": 0,
        "auto-summary": 0,
        "uuid": "3aa8b46c-60f7-11d9-a942-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/router/bgp/1"
    }
}
```

Get List

GET

/axapi/v3/router/bgp

bgp-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}

bgp attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}

bgp attributes

```
PUT /axapi/v3/router/bgp/1
Payload:
{
    "bgp": {
        "as-number": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/router/bgp

bgp-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}

bgp attributes

```
DELETE /axapi/v3/router/bgp/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bgp-list

bgp-list is **JSON List** of *bgp attributes*

bgp-list : [

{ *bgp attributes* },

{ *bgp attributes* },

...

]

bgp attributes

address-family

Description: address-family is a **JSON Block**. Please see below for *address-family*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family*

aggregate-address-list

Type: List

as-number

Description AS number

Type: number

Range: 1-4294967295

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

distance-list

Type: List

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *neighbor*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor*

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/network*

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

redistribute

Specification	
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *redistribute_nat-map-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *redistribute_ospf-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *redistribute_vip*

Type: Object

redistribute_ip-nat-list-cfg

Specification	
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_lw4o6-cfg

Specification	
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_connected-cfg

Specification	
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_vip

Specification	
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *redistribute_vip_only-not-flagged-cfg*

Type: Object

redistribute_vip_only-not-flagged-cfg

Specification	
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_vip_only-flagged-cfg

Specification	
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ip-nat-cfg

Specification	
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_floating-ip-cfg

Specification	
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_isis-cfg

Specification	
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_nat-map-cfg

Specification	
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_rip-cfg

Specification	
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ospf-cfg

Specification	
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_static-nat-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_static-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aggregate-address-list

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate prefix)

Type: string

Format: ipv4-cidr

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Specification	
Type	*object*

always-compare-med

Description Allow comparing MED from different neighbors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bestpath-cfg

Description: bestpath-cfg is a **JSON Block**. Please see below for *bgp_bestpath-cfg*

Type: Object

bgp-restart-time

Description BGP Peer Graceful Restart time in seconds (default 90)

Type: number

Range: 1-3600

Default: 90

bgp-stalepath-time

Description BGP Graceful Restart Stalepath retention time in seconds (default 360)

Type: number

Range: 1-3600

Default: 360

dampening-cfg

Description: dampening-cfg is a **JSON Block**. Please see below for *bgp_dampening-cfg*

Type: Object

deterministic-med

Description Pick the best-MED path among paths advertised from the neighboring AS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-first-as

Description Enforce the first AS for EBGP routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-external-failover

Description Immediately reset session if a link to a directly connected external peer goes down

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

graceful-restart

Description Configure BGP BGP Graceful Restart

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-preference-value

Description Configure default local preference value

Type: number

Range: 0-4294967295

Default: 100

log-neighbor-changes

Description Log neighbor up/down and reset reason

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nexthop-trigger-count

Description BGP nexthop-tracking status (count)

Type: number

Range: 0-127

Default: 0

override-validation

Description override router-id validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-id

Description Override current router identifier (peers will reset) (Manually configured router identifier)

Type: string

Format: ipv4-address

scan-time

Description Configure background scan interval (Scan interval (sec) [Default:60 Disable:0])

Type: number

Range: 0-60

Default: 60

bgp_dampening-cfg

Specification	
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half-time

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-penalty

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp_bestpath-cfg

Specification	
Type	*object*

compare-routerid

Description Compare router-id for identical EBGP paths

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore

Description Ignore as-path length in selecting a route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-as-worst

Description Treat missing MED as the least preferred one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-recv-med

Description To remove rcvd MED attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-send-med

Description To remove send MED attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Specification	
Type	*object*

ip-cidr-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *network_synchronization*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/network/synchronization*

network_synchronization

Specification	
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network_ip-cidr-list

Specification	
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv4-cidr

Description Specify network mask

Type: string

Format: ipv4-cidr

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

timers

Specification	
Type	*object*

bgp-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

bgp-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

neighbor

Specification	
Type	*object*

ethernet-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}*

ipv4-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}*

ve-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}*

neighbor_ve-neighbor-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

neighbor_ipv4-neighbor-list

Specification	
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-nameadvertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_ipv4-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_peer-group-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-key

Description Configure peer-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_peer-group-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_peer-group-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_peer-group-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list

Specification	
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-nameadvertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_ipv6-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ethernet-neighbor-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_trunk-neighbor-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distance-list

Specification	
Type	*list*
Block object keys	

acl-str

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

admin-distance

Description Define an administrative distance

Type: number

Range: 1-255

ext-routes-dist

Description Distance for routes external to the AS

Type: number

Range: 1-255

int-routes-dist

Description Distance for routes internal to the AS

Type: number

Range: 1-255

local-routes-dist

Description Distance for local routes

Type: number

Range: 1-255

src-prefix

Description IP source prefix

Type: string

Format: ipv4-cidr

address-family

Specification	
Type	*object*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *address-family_ipv6*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6*

address-family_ipv6

Specification	
Type	*object*

aggregate-address-list

Type: List

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *address-family_ipv6_bgp*

Type: Object

distance

Description: distance is a **JSON Block**. Please see below for *address-family_ipv6_distance*

Type: Object

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *address-family_ipv6_neighbor*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor*

network

Description: network is a **JSON Block**. Please see below for *address-family_ipv6_network*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network*

originate

Description Distribute an IPv6 default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *address-family_ipv6_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_distance

Specification	
Type	*object*

distance-ext

Description Distance for routes external to the AS

Type: number

Range: 1-255

distance-int

Description Distance for routes internal to the AS

Type: number

Range: 1-255

distance-local

Description Distance for local routes

Type: number

Range: 1-255

address-family_ipv6_redistribute

Specification	
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_ospf-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_vip*

Type: Object

address-family_ipv6_redistribute_ip-nat-list-cfg

Specification	
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_lw4o6-cfg

Specification	
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_nat64-cfg

Specification	
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_connected-cfg

Specification	
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_vip

Specification	
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_vip_only-not-flagged-cfg*

Type: Object

address-family_ipv6_redistribute_vip_only-not-flagged-cfg

Specification	
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_vip_only-flagged-cfg

Specification	
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_ip-nat-cfg

Specification	
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_floating-ip-cfg

Specification	
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_isis-cfg

Specification	
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_nat-map-cfg

Specification	
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_rip-cfg

Specification	
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_ospf-cfg

Specification	
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_static-nat-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_redistribute_static-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_aggregate-address-list

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate IPv6 prefix)

Type: string

Format: ipv6-address-plen

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_bgp

Specification	
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-start-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-start-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

dampening-unreachability

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_network

Specification	
Type	*object*

ipv6-network-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *address-family_ipv6_network_synchronization*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

address-family_ipv6_network_ipv6-network-list

Specification	
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_network_synchronization

Specification	
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor

Specification	
Type	*object*

ethernet-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

address-family_ipv6_neighbor_ethernet-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ipv4-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

address-family_ipv6_neighbor_ipv4-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_peer-group-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

address-family_ipv6_neighbor_peer-group-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_peer-group-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_peer-group-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ve-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

address-family_ipv6_neighbor_trunk-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ipv6-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

address-family_ipv6_neighbor_ipv6-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.3 router bgp address-family

Enter Address Family command mode

address-family Specification

Type	*Intermediate Resource*
Element Name	address-family
Element URI	/axapi/v3/router/bgp/{as-number}/address-family
Element Attributes	address-family_attributes
Schema	`address-family schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family

address-family_attributes

address-family attributes

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6*

ipv6

Specification	
Type	*object*

aggregate-address-list

Type: List

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *ipv6_bgp*

Type: Object

distance

Description: distance is a **JSON Block**. Please see below for *ipv6_distance*

Type: Object

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *ipv6_neighbor*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor*

network

Description: network is a **JSON Block**. Please see below for *ipv6_network*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network*

originate

Description Distribute an IPv6 default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ipv6_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_distance

Specification	
Type	*object*

distance-ext

Description Distance for routes external to the AS

Type: number

Range: 1-255

distance-int

Description Distance for routes internal to the AS

Type: number

Range: 1-255

distance-local

Description Distance for local routes

Type: number

Range: 1-255

ipv6_redistribute

Specification	
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_ospf-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *ipv6_redistribute_vip*

Type: Object

ipv6_redistribute_ip-nat-list-cfg

Specification	
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_lw4o6-cfg

Specification	
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_nat64-cfg

Specification	
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_connected-cfg

Specification	
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_vip

Specification	
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_vip_only-not-flagged-cfg*

Type: Object

ipv6_redistribute_vip_only-not-flagged-cfg

Specification	
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_vip_only-flagged-cfg

Specification	
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_ip-nat-cfg

Specification	
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_floating-ip-cfg

Specification	
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_isis-cfg

Specification	
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_nat-map-cfg

Specification	
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_rip-cfg

Specification	
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_ospf-cfg

Specification	
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_static-nat-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_redistribute_static-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_aggregate-address-list

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate IPv6 prefix)

Type: string

Format: ipv6-address-plen

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_bgp

Specification	
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-start-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-start-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

dampening-unreachability

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_network

Specification	
Type	*object*

ipv6-network-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *ipv6_network_synchronization*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

ipv6_network_ipv6-network-list

Specification	
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_network_synchronization

Specification	
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_neighbor

Specification	
Type	*object*

ethernet-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

ipv6_neighbor_ethernet-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_neighbor_ipv4-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6_neighbor_ipv4-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_peer-group-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6_neighbor_peer-group-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_peer-group-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_neighbor_peer-group-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ve-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

ipv6_neighbor_trunk-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_neighbor_ipv6-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6_neighbor_ipv6-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.4 router bgp address-family ipv6

ipv6 Address family

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6

ipv6 attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv6
Payload:
{
    "ipv6": {
        "network": {
            "synchronization": {
                "network-synchronization": 1
            }
        },
        "bgp": {
            "dampening": 1,
            "dampening-half": 1,
            "dampening-start-reuse": 1,
            "dampening-max-supress": 1,
            "dampening-start-supress": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6

ipv6 attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6
Reponse:
{
    "ipv6": {
        "bgp": {
            "dampening": 1,
            "dampening-half": 1,
            "dampening-start-reuse": 1,
            "dampening-start-supress": 1,
            "dampening-max-supress": 1
        },
        "maximum-paths-value": 1,
        "originate": 0,
        "auto-summary": 0,
        "synchronization": 0,
        "uuid": "77723322-60f8-11d9-a942-001fa00680a0",
        "network": {
            "synchronization": {
                "network-synchronization": 1,
                "uuid": "77727990-60f8-11d9-a942-001fa00680a0",
                "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/
↪synchronization"
            },
            "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network"
        },
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6

ipv6 attributes

```
PUT /axapi/v3/router/bgp/1/address-family/ipv6
Payload:
{
    "ipv6": {
        "network": {
            "ipv6-network-list": [
                {
```

(continues on next page)

(continued from previous page)

```
                    "network-ipv6": "2003::/64",
                    "backdoor": 0
                }
            ]
        },
        "bgp": {
            "dampening": 1,
            "dampening-half": 2,
            "dampening-start-reuse": 2,
            "dampening-max-supress": 2,
            "dampening-start-supress": 2,
            "dampening-unreachability": 2
        }
    }
}
```

ipv6 attributes

aggregate-address-list

Type: List

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

distance

Description: distance is a **JSON Block**. Please see below for *distance*

Type: Object

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *neighbor*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor*

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network*

originate

Description Distribute an IPv6 default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distance

Specification	
Type	*object*

distance-ext

Description Distance for routes external to the AS

Type: number

Range: 1-255

distance-int

Description Distance for routes internal to the AS

Type: number

Range: 1-255

distance-local

Description Distance for local routes

Type: number

Range: 1-255

redistribute

Specification	
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *redistribute_nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *redistribute_nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *redistribute_ospf-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *redistribute_vip*

Type: Object

redistribute_ip-nat-list-cfg

Specification	
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_lw4o6-cfg

Specification	
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_nat64-cfg

Specification	
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_connected-cfg

Specification	
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_vip

Specification	
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *redistribute_vip_only-not-flagged-cfg*

Type: Object

redistribute_vip_only-not-flagged-cfg

Specification	
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_vip_only-flagged-cfg

Specification	
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ip-nat-cfg

Specification	
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_floating-ip-cfg

Specification	
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_isis-cfg

Specification	
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_nat-map-cfg

Specification	
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_rip-cfg

Specification	
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ospf-cfg

Specification	
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_static-nat-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_static-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aggregate-address-list

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate IPv6 prefix)

Type: string

Format: ipv6-address-plen

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Specification	
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-start-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-start-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

dampening-unreachability

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

network

Specification	
Type	*object*

ipv6-network-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *network_synchronization*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

network_ipv6-network-list

Specification	
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network_synchronization

Specification	
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor

Specification	
Type	*object*

ethernet-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

neighbor_ethernet-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_ipv4-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_peer-group-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_peer-group-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_peer-group-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_peer-group-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ve-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

neighbor_trunk-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_ipv6-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.5 router bgp address-family ipv6 neighbor

Specify a neighbor router

neighbor Specification

Type	*Intermediate Resource*
Element Name	neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor
Element Attributes	neighbor_attributes
Schema	`neighbor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor

neighbor_attributes

neighbor attributes

ethernet-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

ethernet-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv4-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv4-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv4-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

peer-group-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

peer-group-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

peer-group-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

peer-group-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ve-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

trunk-neighbor-ipv6-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.6 router bgp address-family ipv6 neighbor ethernet-neighbor-ipv6

Specify an ethernet unnumbered neighbor

ethernet-neighbor-ipv6 Specification

Type	*Collection*
Object Key(s)	*ethernet*
Collection Name	*ethernet-neighbor-ipv6-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6
Element Name	ethernet-neighbor-ipv6
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}
Element Attributes	ethernet-neighbor-ipv6_attributes
Schema	`ethernet-neighbor-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6

ethernet-neighbor-ipv6 attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6

ethernet-neighbor-ipv6 attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}

ethernet-neighbor-ipv6 attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6

ethernet-neighbor-ipv6-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}

ethernet-neighbor-ipv6 attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}

ethernet-neighbor-ipv6 attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6

ethernet-neighbor-ipv6-list

ethernet-neighbor-ipv6-list

ethernet-neighbor-ipv6-list is **JSON List** of *ethernet-neighbor-ipv6 attributes*

ethernet-neighbor-ipv6-list : [

{ *ethernet-neighbor-ipv6 attributes* },

{ *ethernet-neighbor-ipv6 attributes* },

...

]

ethernet-neighbor-ipv6 attributes

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.7 router bgp address-family ipv6 neighbor ipv4-neighbor

Specify a peer-group neighbor router

ipv4-neighbor Specification

Type	*Collection*
Object Key(s)	*neighbor-ipv4*
Collection Name	*ipv4-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor
Element Name	ipv4-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}
Element Attributes	ipv4-neighbor_attributes
Schema	`ipv4-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor

ipv4-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor

ipv4-neighbor-list

ipv4-neighbor-list

ipv4-neighbor-list is **JSON List** of *ipv4-neighbor attributes*

ipv4-neighbor-list : [

{ *ipv4-neighbor attributes* },

{ *ipv4-neighbor attributes* },

...

]

ipv4-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.8 router bgp address-family ipv6 neighbor ipv6-neighbor

Specify a peer-group neighbor router

ipv6-neighbor Specification

Type	*Collection*
Object Key(s)	*neighbor-ipv6*
Collection Name	*ipv6-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor
Element Name	ipv6-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}
Element Attributes	ipv6-neighbor_attributes
Schema	`ipv6-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor

ipv6-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor

ipv6-neighbor-list

ipv6-neighbor-list

ipv6-neighbor-list is **JSON List** of *ipv6-neighbor attributes*

```
ipv6-neighbor-list : [
        { ipv6-neighbor attributes },
        { ipv6-neighbor attributes },
        ...
    ]
```

ipv6-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.9 router bgp address-family ipv6 neighbor peer-group-neighbor

Specify a peer-group neighbor router

peer-group-neighbor Specification

Type	*Collection*
Object Key(s)	*peer-group*
Collection Name	*peer-group-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor
Element Name	peer-group-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}
Element Attributes	peer-group-neighbor_attributes
Schema	`peer-group-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor

peer-group-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor

peer-group-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor

peer-group-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor

peer-group-neighbor-list

peer-group-neighbor-list

peer-group-neighbor-list is **JSON List** of *peer-group-neighbor attributes*

```
peer-group-neighbor-list : [
        { peer-group-neighbor attributes },
        { peer-group-neighbor attributes },
        ...
    ]
```

peer-group-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.10 router bgp address-family ipv6 neighbor trunk-neighbor-ipv6

Specify a trunk unnumbered neighbor

trunk-neighbor-ipv6 Specification

Type	*Collection*
Object Key(s)	*trunk*
Collection Name	*trunk-neighbor-ipv6-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6
Element Name	trunk-neighbor-ipv6
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}
Element Attributes	trunk-neighbor-ipv6_attributes
Schema	`trunk-neighbor-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6

trunk-neighbor-ipv6 attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6

trunk-neighbor-ipv6 attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}

trunk-neighbor-ipv6 attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6

trunk-neighbor-ipv6-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}

trunk-neighbor-ipv6 attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}

trunk-neighbor-ipv6 attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6

trunk-neighbor-ipv6-list

trunk-neighbor-ipv6-list

trunk-neighbor-ipv6-list is **JSON List** of *trunk-neighbor-ipv6 attributes*

trunk-neighbor-ipv6-list : [

{ *trunk-neighbor-ipv6 attributes* },

{ *trunk-neighbor-ipv6 attributes* },

...

]

trunk-neighbor-ipv6 attributes

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.11 router bgp address-family ipv6 neighbor ve-neighbor-ipv6

Specify a VE unnumbered neighbor

ve-neighbor-ipv6 Specification

Type	*Collection*
Object Key(s)	*ve*
Collection Name	*ve-neighbor-ipv6-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6
Element Name	ve-neighbor-ipv6
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}
Element Attributes	ve-neighbor-ipv6_attributes
Schema	`ve-neighbor-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6

ve-neighbor-ipv6 attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6

ve-neighbor-ipv6 attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}

ve-neighbor-ipv6 attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6

ve-neighbor-ipv6-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}

ve-neighbor-ipv6 attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}

ve-neighbor-ipv6 attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6

ve-neighbor-ipv6-list

ve-neighbor-ipv6-list

ve-neighbor-ipv6-list is **JSON List** of *ve-neighbor-ipv6 attributes*

ve-neighbor-ipv6-list : [

{ *ve-neighbor-ipv6 attributes* },

{ *ve-neighbor-ipv6 attributes* },

...

]

ve-neighbor-ipv6 attributes

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

2.82.12 router bgp address-family ipv6 network

Specify a network to announce via BGP

network Specification

Type	*Intermediate Resource*
Element Name	network
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network
Element Attributes	network_attributes
Schema	`network schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network

network_attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6/network
Reponse:
{
    "network": {
        "synchronization": {
            "network-synchronization": 1,
            "uuid": "7aab97fc-60fa-11d9-a942-001fa00680a0",
            "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/
↪synchronization"
        },
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network"
    }
}
```

network attributes

ipv6-network-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *synchronization*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

ipv6-network-list

Specification	
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

synchronization

Specification	
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.13 router bgp address-family ipv6 network ipv6-network

Specify a ip address mask network to announce via BGP

ipv6-network Specification

Type	*Collection*
Object Key(s)	*network-ipv6*
Collection Name	*ipv6-network-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network
Element Name	ipv6-network
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}
Element Attributes	ipv6-network_attributes
Schema	`ipv6-network schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network

ipv6-network attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network

ipv6-network attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}

ipv6-network attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network

ipv6-network-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}

ipv6-network attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}

ipv6-network attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network

ipv6-network-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}

ipv6-network attributes

ipv6-network-list

ipv6-network-list is **JSON List** of *ipv6-network attributes*

ipv6-network-list : [

{ *ipv6-network attributes* },

{ *ipv6-network attributes* },

...

]

ipv6-network attributes

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.14 router bgp address-family ipv6 network synchronization

help Perform IGP synchronization

synchronization Specification

Type	*Configuration Resource*
Element Name	synchronization
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization
Element Attributes	synchronization_attributes
Schema	`synchronization schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
Payload:
{
    "synchronization": {
        "network-synchronization": 1
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
Reponse:
{
    "synchronization": {
        "network-synchronization": 1,
        "uuid": "a1bd75b8-60fa-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
↪"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

```
PUT /axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
Payload:
{
    "synchronization": {
        "network-synchronization": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

```
DELETE /axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

synchronization attributes

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.15 router bgp address-family ipv6 redistribute

Redistribute information from another routing protocol

redistribute Specification

Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute
Element Attributes	redistribute_attributes
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv6/redistribute
Payload:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1,
            "route-map": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6/redistribute
Reponse:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1,
            "route-map": "a"
        },
        "floating-ip-cfg": {
            "floating-ip": 0
        },
        "nat64-cfg": {
            "nat64": 0
```

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```
        },
        "nat-map-cfg": {
            "nat-map": 0
        },
        "lw4o6-cfg": {
            "lw4o6": 0
        },
        "static-nat-cfg": {
            "static-nat": 0
        },
        "ip-nat-cfg": {
            "ip-nat": 0
        },
        "ip-nat-list-cfg": {
            "ip-nat-list": 0
        },
        "isis-cfg": {
            "isis": 0
        },
        "ospf-cfg": {
            "ospf": 0
        },
        "rip-cfg": {
            "rip": 0
        },
        "static-cfg": {
            "static": 0
        },
        "vip": {
            "only-flagged-cfg": {
                "only-flagged": 0
            },
            "only-not-flagged-cfg": {
                "only-not-flagged": 0
            }
        },
        "uuid": "af6ba3b0-60fa-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/redistribute"
    }
}
```


Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

```
PUT /axapi/v3/router/bgp/1/address-family/ipv6/redistribute
```

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```
Payload:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/bgp/1/address-family/ipv6/redistribute
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

redistribute attributes

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *ospf-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *vip*

Type: Object

ip-nat-list-cfg

Specification	
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lw4o6-cfg

Specification	
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nat64-cfg

Specification	
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

connected-cfg

Specification	
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip

Specification	
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *vip_only-not-flagged-cfg*

Type: Object

vip_only-not-flagged-cfg

Specification	
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip_only-flagged-cfg

Specification	
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-nat-cfg

Specification	
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

floating-ip-cfg

Specification	
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis-cfg

Specification	
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nat-map-cfg

Specification	
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rip-cfg

Specification	
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-cfg

Specification	
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.82.16 router bgp neighbor

Specify a neighbor router

neighbor Specification

Type	*Intermediate Resource*
Element Name	neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor
Element Attributes	neighbor_attributes
Schema	`neighbor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor

neighbor_attributes

neighbor attributes

ethernet-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}*

ipv4-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}*

ve-neighbor-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}*

ve-neighbor-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

ipv4-neighbor-list

Specification	
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-nameadvertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv4-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv4-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv4-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

peer-group-neighbor-list

Specification	
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-key

Description Configure peer-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

peer-group-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

peer-group-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

peer-group-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list

Specification	
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-nameadvertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6-neighbor-list_distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list_neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-neighbor-list_neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list_neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ethernet-neighbor-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-neighbor-list

Specification	
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.17 router bgp neighbor ethernet-neighbor

Specify an ethernet unnumbered neighbor

ethernet-neighbor Specification

Type	*Collection*
Object Key(s)	*ethernet*
Collection Name	*ethernet-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor
Element Name	ethernet-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}
Element Attributes	ethernet-neighbor_attributes
Schema	`ethernet-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor

ethernet-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor

ethernet-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}

ethernet-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor

ethernet-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}

ethernet-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}

ethernet-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor

ethernet-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}

ethernet-neighbor attributes

ethernet-neighbor-list

ethernet-neighbor-list is **JSON List** of *ethernet-neighbor attributes*

ethernet-neighbor-list : [

{ *ethernet-neighbor attributes* },

{ *ethernet-neighbor attributes* },

...

]

ethernet-neighbor attributes

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.18 router bgp neighbor ipv4-neighbor

Specify a ipv4 neighbor router

ipv4-neighbor Specification

Type	*Collection*
Object Key(s)	*neighbor-ipv4*
Collection Name	*ipv4-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor
Element Name	ipv4-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}
Element Attributes	ipv4-neighbor_attributes
Schema	`ipv4-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor

ipv4-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor

ipv4-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

ipv4-neighbor-list

ipv4-neighbor-list is **JSON List** of *ipv4-neighbor attributes*

ipv4-neighbor-list : [

{ *ipv4-neighbor attributes* },

{ *ipv4-neighbor attributes* },

...

]

ipv4-neighbor attributes

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-nameadvertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.19 router bgp neighbor ipv6-neighbor

Specify a ipv6 neighbor router

ipv6-neighbor Specification

Type	*Collection*
Object Key(s)	*neighbor-ipv6*
Collection Name	*ipv6-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor
Element Name	ipv6-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}
Element Attributes	ipv6-neighbor_attributes
Schema	`ipv6-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor

ipv6-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor

ipv6-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

ipv6-neighbor-list

ipv6-neighbor-list is **JSON List** of *ipv6-neighbor attributes*

ipv6-neighbor-list : [

{ *ipv6-neighbor attributes* },

{ *ipv6-neighbor attributes* },

...

]

ipv6-neighbor attributes

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-nameadvertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.20 router bgp neighbor peer-group-neighbor

Specify a peer-group neighbor router

peer-group-neighbor Specification

Type	*Collection*
Object Key(s)	*peer-group*
Collection Name	*peer-group-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor
Element Name	peer-group-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}
Element Attributes	peer-group-neighbor_attributes
Schema	`peer-group-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor

peer-group-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor

peer-group-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor

peer-group-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor

peer-group-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

peer-group-neighbor-list

peer-group-neighbor-list is **JSON List** of *peer-group-neighbor attributes*

peer-group-neighbor-list : [

{ *peer-group-neighbor attributes* },

{ *peer-group-neighbor attributes* },

...

]

peer-group-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernetupdate-source-ip, update-source-ipv6, loopback, ve, trunk, lif and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (Lif interface number)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lifupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopbackupdate-source-ip, update-source-ipv6, ethernet, ve, trunk, lif and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

Range: 1-1048576

Default: 128

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-filter-lists

Type: List

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-key

Description Configure peer-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-remote-as

Description Specify AS number of BGP neighbor

Type: number

Range: 1-4294967295

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: both, none, standard, extended

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunkupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, lif and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnelupdate-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ipupdate-source-ipv6, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6update-source-ip, ethernet, loopback, ve, trunk, lif and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: veupdate-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-prefix-lists

Specification	
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-filter-lists

Specification	
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.82.21 router bgp neighbor trunk-neighbor

Specify a trunk unnumbered neighbor

trunk-neighbor Specification

Type	*Collection*
Object Key(s)	*trunk*
Collection Name	*trunk-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor
Element Name	trunk-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}
Element Attributes	trunk-neighbor_attributes
Schema	`trunk-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor

trunk-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor

trunk-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}

trunk-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor

trunk-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}

trunk-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}

trunk-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor

trunk-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}

trunk-neighbor attributes

trunk-neighbor-list

trunk-neighbor-list is **JSON List** of *trunk-neighbor attributes*

trunk-neighbor-list : [

{ *trunk-neighbor attributes* },

{ *trunk-neighbor attributes* },

...

]

trunk-neighbor attributes

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.22 router bgp neighbor ve-neighbor

Specify a VE unnumbered neighbor

ve-neighbor Specification

Type	*Collection*
Object Key(s)	*ve*
Collection Name	*ve-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor
Element Name	ve-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}
Element Attributes	ve-neighbor_attributes
Schema	`ve-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor

ve-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor

ve-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}

ve-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor

ve-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}

ve-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}

ve-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor

ve-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}

ve-neighbor attributes

ve-neighbor-list

ve-neighbor-list is **JSON List** of *ve-neighbor attributes*

ve-neighbor-list : [

{ *ve-neighbor attributes* },

{ *ve-neighbor attributes* },

...

]

ve-neighbor attributes

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

2.82.23 router bgp network

Specify a network to announce via BGP

network Specification

Type	*Intermediate Resource*
Element Name	network
Element URI	/axapi/v3/router/bgp/{as-number}/network
Element Attributes	network_attributes
Schema	`network schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/network

network_attributes

network attributes

ip-cidr-list

Type: List

Refernce Object: */axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *synchronization*

Type: Object

Refernce Object: */axapi/v3/router/bgp/{as-number}/network/synchronization*

synchronization

Specification	
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-cidr-list

Specification	
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv4-cidr

Description Specify network mask

Type: string

Format: ipv4-cidr

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.24 router bgp network ip-cidr

Specify a ip network to announce via BGP

ip-cidr Specification

Type	*Collection*
Object Key(s)	*network-ipv4-cidr*
Collection Name	*ip-cidr-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/network/ip-cidr
Element Name	ip-cidr
Element URI	/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}
Element Attributes	ip-cidr_attributes
Schema	`ip-cidr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/network/ip-cidr

ip-cidr attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/network/ip-cidr

ip-cidr attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}

ip-cidr attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/network/ip-cidr

ip-cidr-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}

ip-cidr attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}

ip-cidr attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/network/ip-cidr

ip-cidr-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}

ip-cidr attributes

ip-cidr-list

ip-cidr-list is **JSON List** of *ip-cidr attributes*

ip-cidr-list : [

{ *ip-cidr attributes* },

{ *ip-cidr attributes* },

...

]

ip-cidr attributes

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

network-ipv4-cidr

Description Specify network mask

Type: string

Format: ipv4-cidr

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.25 router bgp network synchronization

help Perform IGP synchronization

synchronization Specification

Type	*Configuration Resource*
Element Name	synchronization
Element URI	/axapi/v3/router/bgp/{as-number}/network/synchronization
Element Attributes	synchronization_attributes
Schema	`synchronization schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

```
POST /axapi/v3/router/bgp/1/network/synchronization
Payload:
{
    "synchronization": {
        "network-synchronization": 1
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

```
GET /axapi/v3/router/bgp/1/network/synchronization
Reponse:
{
    "synchronization": {
        "network-synchronization": 1,
        "uuid": "8884a006-60fc-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/bgp/1/network/synchronization"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

```
PUT /axapi/v3/router/bgp/1/network/synchronization
Payload:
{
    "synchronization": {
        "network-synchronization": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

```
DELETE /axapi/v3/router/bgp/1/network/synchronization
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

synchronization attributes

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.26 router bgp redistribute

Redistribute information from another routing protocol

redistribute Specification

Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/bgp/{as-number}/redistribute
Element Attributes	redistribute_attributes
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

```
POST /axapi/v3/router/bgp/1/redistribute
Payload:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1,
            "route-map": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

```
GET /axapi/v3/router/bgp/1/redistribute
Reponse:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1,
            "route-map": "a"
        },
        "floating-ip-cfg": {
            "floating-ip": 0
        },
        "lw4o6-cfg": {
            "lw4o6": 0
        },
        "static-nat-cfg": {
            "static-nat": 0
        },
        "ip-nat-cfg": {
            "ip-nat": 0
        },
        "ip-nat-list-cfg": {
            "ip-nat-list": 0
        },
        "isis-cfg": {
            "isis": 0
        },
        "ospf-cfg": {
            "ospf": 0
        },
        "rip-cfg": {
            "rip": 0
        },
        "static-cfg": {
            "static": 0
        },
        "nat-map-cfg": {
            "nat-map": 0
```

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```
        },
        "vip": {
            "only-flagged-cfg": {
                "only-flagged": 0
            },
            "only-not-flagged-cfg": {
                "only-not-flagged": 0
            }
        },
        "uuid": "965ca2d2-60fc-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/bgp/1/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

```
PUT /axapi/v3/router/bgp/1/redistribute
Payload:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/bgp/1/redistribute
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

redistribute attributes

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *nat-map-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *ospf-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *vip*

Type: Object

ip-nat-list-cfg

Specification	
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lw4o6-cfg

Specification	
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

connected-cfg

Specification	
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip

Specification	
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *vip_only-not-flagged-cfg*

Type: Object

vip_only-not-flagged-cfg

Specification	
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip_only-flagged-cfg

Specification	
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-nat-cfg

Specification	
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

floating-ip-cfg

Specification	
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis-cfg

Specification	
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nat-map-cfg

Specification	
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rip-cfg

Specification	
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-cfg

Specification	
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static-cfg

Specification	
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.82.27 router ipv6

IPv6 information

ipv6 Specification

Type	*Intermediate Resource*
Element Name	ipv6
Element URI	/axapi/v3/router/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/ipv6

ipv6_attributes

ipv6 attributes

ospf-list

Type: List

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip*

ospf-list

Specification	
Type	*list*
Block object keys	

abr-type-option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, standard

Default: cisco

area-list

Type: List

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *ospf-list_default-information*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distribute-internal-list

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *ospf-list_distribute-list*

Type: Object

ha-standby-extra-cost

Type: List

log-adjacency-changes

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *ospf-list_passive-interface*

Type: Object

process-id

Description OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ospf-list_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/redistribute*

router-id

Description router-id for the OSPF process (OSPFv3 router-id in IPv4 address format)

Type: string

Format: ipv4-address

timers

Description: timers is a **JSON Block**. Please see below for *ospf-list_timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-list_distribute-internal-list

Specification	
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Default: 255.255.255.255

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

cost

Description Cost

Type: number

Range: 1-65535

Default: 1

type

Description 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'vip': Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, nat64, static-nat, floating-ip, ip-nat, ip-nat-list, vip, vip-only-flagged

ospf-list_redistribute

Specification	
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

ospf-list_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'nat64': NAT64 Prefix; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, nat-map, static-nat, nat64, lw4o6, isis, rip, static

ospf-list_redistribute_ospf-list

Specification	
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-list_redistribute_ip-nat-floating-list

Specification	
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ip-nat-prefix

Description Address

Type: string

Format: ipv6-address-plen

ospf-list_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ospf-list_redistribute_vip-floating-list

Specification	
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv6-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ospf-list_distribute-list

Specification	
Type	*object*

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *ospf-list_distribute-list_prefix-list*

Type: Object

ospf-list_distribute-list_prefix-list

Specification	
Type	*object*

direction

Description 'in': Filter incoming routing updates;

Type: string

Supported Values: in

value

Description Prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-list_area-list

Specification	
Type	*list*
Block object keys	

area-ipv4

Description OSPFv3 area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPFv3 area ID as a decimal value

Type: number

Range: 0-4294967295

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Type: List

stub

Description Configure OSPFv3 area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

ospf-list_area-list_virtual-link-list

Specification	
Type	*list*
Block object keys	

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

instance-id

Description OSPFv3 instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

value

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

ospf-list_area-list_range-list

Specification	
Type	*list*
Block object keys	

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

value

Description Area range for IPv6 prefix

Type: string

Format: ipv6-address-plen

ospf-list_default-information

Specification	
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-list_passive-interface

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

ospf-list_passive-interface_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ospf-list_passive-interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ospf-list_passive-interface_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ospf-list_passive-interface_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

ospf-list_passive-interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

ospf-list_timers

Specification	
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *ospf-list_timers_spf*

Type: Object

ospf-list_timers_spf

Specification	
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *ospf-list_timers_spf_exp*

Type: Object

ospf-list_timers_spf_exp

Specification	
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ospf-list_ha-standby-extra-cost

Specification	
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

rip

Specification	
Type	*object*

aggregate-address-cfg

Type: List

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *rip_distribute-list*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/distribute-list*

offset-list

Description: offset-list is a **JSON Block**. Please see below for *rip_offset-list*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIPNG UDP receive buffer size (the RIPNG UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *rip_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/redistribute*

ripng-neighbor

Description: ripng-neighbor is a **JSON Block**. Please see below for *rip_ripng-neighbor*

Type: Object

route-cfg

Type: List

route-map

Description: route-map is a **JSON Block**. Please see below for *rip_route-map*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/route-map*

timers

Description: timers is a **JSON Block**. Please see below for *rip_timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_offset-list

Specification	
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_offset-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_route-map

Specification	
Type	*object*

map-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_route-map_map-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-direction

Description 'in': Route map set for input filtering; 'out': Route map set for output filtering;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_passive-interface-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_redistribute

Specification	
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

rip_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

rip_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, nat64, static-nat, ospf, static

rip_route-cfg

Specification	
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix)

Type: string

Format: ipv6-address-plen

rip_timers

Specification	
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *rip_timers_timers-cfg*

Type: Object

rip_timers_timers-cfg

Specification	
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

rip_aggregate-address-cfg

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Set aggregate RIP route announcement (Aggregate network)

Type: string

Format: ipv6-address-plen

rip_ripng-neighbor

Specification	
Type	*object*

ripng-neighbor-cfg

Type: List

rip_ripng-neighbor_ripng-neighbor-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

neighbor-link-local-addr

Description IPv6 link-local address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distribute-list

Specification	
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *rip_distribute-list_prefix*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_distribute-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distribute-list_prefix

Specification	
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_distribute-list_prefix_prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.28 router ipv6 ospf

Open Shortest Path First (OSPFv3)

ospf Specification

Type	*Collection*
Object Key(s)	*process-id*
Collection Name	*ospf-list*
Collection URI	/axapi/v3/router/ipv6/ospf
Element Name	ospf
Element URI	/axapi/v3/router/ipv6/ospf/{process-id}
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/ospf

ospf attributes

```
POST /axapi/v3/router/ipv6/ospf/
Payload:
{
    "ospf": {
        "process-id": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/router/ipv6/ospf

ospf attributes

Get Object

GET

/axapi/v3/router/ipv6/ospf/{process-id}

ospf attributes

```
GET /axapi/v3/router/ipv6/ospf/a
Reponse:
{
    "ospf": {
        "process-id": "a",
        "abr-type-option": "cisco",
        "auto-cost-reference-bandwidth": 10000,
        "bfd-all-interfaces": 0,
        "default-metric": 20,
        "max-concurrent-dd": 5,
        "timers": {
            "spf": {
                "exp": {
                    "min-delay": 500,
                    "max-delay": 50000
                }
            }
        },
        "uuid": "23b49216-60fd-11d9-a942-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/router/ipv6/ospf/a"
    }
}
```

Get List

GET

/axapi/v3/router/ipv6/ospf

ospf-list

Modify Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}

ospf attributes

Replace Object

PUT

/axapi/v3/router/ipv6/ospf/{process-id}

ospf attributes

```
PUT /axapi/v3/router/ipv6/ospf/a
Payload:
{
    "ospf": {
        "process-id": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/router/ipv6/ospf

ospf-list

Delete Object

DELETE

/axapi/v3/router/ipv6/ospf/{process-id}

ospf attributes

```
DELETE /axapi/v3/router/ipv6/ospf/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf-list

ospf-list is **JSON List** of *ospf attributes*

ospf-list : [

{ *ospf attributes* },

{ *ospf attributes* },

...

]

ospf attributes

abr-type-option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, standard

Default: cisco

area-list

Type: List

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *default-information*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distribute-internal-list

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *distribute-list*

Type: Object

ha-standby-extra-cost

Type: List

log-adjacency-changes

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *passive-interface*

Type: Object

process-id

Description OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/ospf/{process-id}/redistribute*

router-id

Description router-id for the OSPF process (OSPFv3 router-id in IPv4 address format)

Type: string

Format: ipv4-address

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-internal-list

Specification	
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Default: 255.255.255.255

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

cost

Description Cost

Type: number

Range: 1-65535

Default: 1

type

Description 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'vip': Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, nat64, static-nat, floating-ip, ip-nat, ip-nat-list, vip, vip-only-flagged

redistribute

Specification	
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'nat64': NAT64 Prefix; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, nat-map, static-nat, nat64, lw4o6, isis, rip, static

redistribute_ospf-list

Specification	
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ip-nat-floating-list

Specification	
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ip-nat-prefix

Description Address

Type: string

Format: ipv6-address-plen

redistribute_vip-list

Specification	
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_vip-floating-list

Specification	
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv6-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

distribute-list

Specification	
Type	*object*

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *distribute-list_prefix-list*

Type: Object

distribute-list_prefix-list

Specification	
Type	*object*

direction

Description 'in': Filter incoming routing updates;

Type: string

Supported Values: in

value

Description Prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

area-list

Specification	
Type	*list*
Block object keys	

area-ipv4

Description OSPFv3 area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPFv3 area ID as a decimal value

Type: number

Range: 0-4294967295

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Type: List

stub

Description Configure OSPFv3 area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

area-list_virtual-link-list

Specification	
Type	*list*
Block object keys	

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

instance-id

Description OSPFv3 instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

value

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

area-list_range-list

Specification	
Type	*list*
Block object keys	

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

value

Description Area range for IPv6 prefix

Type: string

Format: ipv6-address-plen

default-information

Specification	
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

passive-interface

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

passive-interface_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

passive-interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

passive-interface_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

passive-interface_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

passive-interface_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

timers

Specification	
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *timers_spf*

Type: Object

timers_spf

Specification	
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *timers_spf_exp*

Type: Object

timers_spf_exp

Specification	
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ha-standby-extra-cost

Specification	
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

2.82.29 router ipv6 ospf area

OSPF area parameters

area Specification

Type	*Collection*
Object Key(s)	*area-ipv4, area-num*
Collection Name	*area-list*
Collection URI	/axapi/v3/router/ipv6/ospf/{process-id}/area
Element Name	area
Element URI	/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}
Element Attributes	area_attributes
Schema	`area schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/area

area attributes

Create List

POST

/axapi/v3/router/ipv6/ospf/{process-id}/area

area attributes

Get Object

GET

/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Get List

GET

/axapi/v3/router/ipv6/ospf/{process-id}/area

area-list

Modify Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Replace Object

PUT

/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Replace List

PUT

/axapi/v3/router/ipv6/ospf/{process-id}/area

area-list

Delete Object

DELETE

/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

area-list

area-list is **JSON List** of *area attributes*

area-list : [

{ *area attributes* },

{ *area attributes* },

...

]

area attributes

area-ipv4

Description OSPFv3 area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPFv3 area ID as a decimal value

Type: number

Range: 0-4294967295

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Type: List

stub

Description Configure OSPFv3 area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

virtual-link-list

Specification	
Type	*list*
Block object keys	

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

instance-id

Description OSPFv3 instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

value

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

range-list

Specification	
Type	*list*
Block object keys	

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

value

Description Area range for IPv6 prefix

Type: string

Format: ipv6-address-plen

2.82.30 router ipv6 ospf default-information

Control distribution of default information

default-information Specification

Type	*Configuration Resource*
Element Name	default-information
Element URI	/axapi/v3/router/ipv6/ospf/{process-id}/default-information
Element Attributes	default-information_attributes
Schema	`default-information schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

Get Object

GET

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

Modify Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

Replace Object

PUT

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

Delete Object

DELETE

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

default-information attributes

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.31 router ipv6 ospf redistribute

Redistribute information from another routing protocol

redistribute Specification

Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/ipv6/ospf/{process-id}/redistribute
Element Attributes	redistribute_attributes
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

```
POST /axapi/v3/router/ipv6/ospf/a/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

```
GET /axapi/v3/router/ipv6/ospf/a/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0,
                "metric-type": "2"
            }
        ],
```

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```
        "ip-nat": 0,
        "uuid": "e1e0cda4-60fd-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/ipv6/ospf/a/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

```
PUT /axapi/v3/router/ipv6/ospf/a/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/ipv6/ospf/a/redistribute
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

redistribute attributes

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

redist-list

Specification	
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'nat64': NAT64 Prefix; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, nat-map, static-nat, nat64, lw4o6, isis, rip, static

ospf-list

Specification	
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-nat-floating-list

Specification	
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ip-nat-prefix

Description Address

Type: string

Format: ipv6-address-plen

vip-list

Specification	
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

vip-floating-list

Specification	
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv6-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

2.82.32 router ipv6 rip

Routing Information Protocol (RIPng)

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/router/ipv6/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip

rip attributes

```
POST /axapi/v3/router/ipv6/rip
Payload:
{
    "rip": {
        "cisco-metric-behavior": "enable",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl-direction": "in",
                    "acl": "a",
                    "ethernet": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip

rip attributes

```
GET /axapi/v3/router/ipv6/rip
Reponse:
{
    "rip": {
        "cisco-metric-behavior": "enable",
        "default-metric": 1,
        "uuid": "2dec083a-60fe-11d9-a942-001fa00680a0",
```

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```
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl": "a",
                    "acl-direction": "in",
                    "ethernet": 1
                }
            ],
            "uuid": "2dec4ed0-60fe-11d9-a942-001fa00680a0",
            "a10-url": "/axapi/v3/router/ipv6/rip/distribute-list"
        },
        "a10-url": "/axapi/v3/router/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip

rip attributes

```
PUT /axapi/v3/router/ipv6/rip
Payload:
{
    "rip": {
        "default-information": "originate",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl-direction": "out",
                    "acl": "abcdefghijklmnop",
                    "loopback": 2
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip

rip attributes

```
DELETE /axapi/v3/router/ipv6/rip
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

aggregate-address-cfg

Type: List

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *distribute-list*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/distribute-list*

offset-list

Description: offset-list is a **JSON Block**. Please see below for *offset-list*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIPNG UDP receive buffer size (the RIPNG UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/redistribute*

ripng-neighbor

Description: ripng-neighbor is a **JSON Block**. Please see below for *ripng-neighbor*

Type: Object

route-cfg

Type: List

route-map

Description: route-map is a **JSON Block**. Please see below for *route-map*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/route-map*

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

offset-list

Specification	
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

offset-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

route-map

Specification	
Type	*object*

map-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route-map_map-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-direction

Description 'in': Route map set for input filtering; 'out': Route map set for output filtering;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

passive-interface-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

redistribute

Specification	
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, nat64, static-nat, ospf, static

route-cfg

Specification	
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix)

Type: string

Format: ipv6-address-plen

timers

Specification	
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *timers_timers-cfg*

Type: Object

timers_timers-cfg

Specification	
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

aggregate-address-cfg

Specification	
Type	*list*
Block object keys	

aggregate-address

Description Set aggregate RIP route announcement (Aggregate network)

Type: string

Format: ipv6-address-plen

ripng-neighbor

Specification	
Type	*object*

ripng-neighbor-cfg

Type: List

ripng-neighbor_ripng-neighbor-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

neighbor-link-local-addr

Description IPv6 link-local address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distribute-list

Specification	
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *distribute-list_prefix*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distribute-list_prefix

Specification	
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-list_prefix_prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.33 router ipv6 rip distribute-list

Filter networks in routing updates

distribute-list Specification

Type	*Configuration Resource*
Element Name	distribute-list
Element URI	/axapi/v3/router/ipv6/rip/distribute-list
Element Attributes	distribute-list_attributes
Schema	`distribute-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

```
POST /axapi/v3/router/ipv6/rip/distribute-list
Payload:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl-direction": "in",
                "acl": "a",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

```
GET /axapi/v3/router/ipv6/rip/distribute-list
Reponse:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl": "a",
                "acl-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "22564b10-60ff-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/ipv6/rip/distribute-list"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

```
PUT /axapi/v3/router/ipv6/rip/distribute-list
Payload:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl-direction": "out",
                "acl": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

```
DELETE /axapi/v3/router/ipv6/rip/distribute-list
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

distribute-list attributes

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *prefix*

Type: Object

Refernce Object: */axapi/v3/router/ipv6/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

prefix

Specification	
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix_prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.34 router ipv6 rip distribute-list prefix

Filter prefixes in routing updates

prefix Specification

Type	*Configuration Resource*
Element Name	prefix
Element URI	/axapi/v3/router/ipv6/rip/distribute-list/prefix
Element Attributes	prefix_attributes
Schema	`prefix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

```
POST /axapi/v3/router/ipv6/rip/distribute-list/prefix
Payload:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list-direction": "in",
                "prefix-list": "a",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

```
GET /axapi/v3/router/ipv6/rip/distribute-list/prefix
Reponse:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list": "a",
                "prefix-list-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "4201b698-60ff-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/ipv6/rip/distribute-list/prefix"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

```
PUT /axapi/v3/router/ipv6/rip/distribute-list/prefix
Payload:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list-direction": "out",
                "prefix-list": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

```
DELETE /axapi/v3/router/ipv6/rip/distribute-list/prefix
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

prefix attributes

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.35 router ipv6 rip offset-list

Modify RIP metric

offset-list Specification

Type	*Configuration Resource*
Element Name	offset-list
Element URI	/axapi/v3/router/ipv6/rip/offset-list
Element Attributes	offset-list_attributes
Schema	`offset-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

Get Object

GET

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

Modify Object

POST

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

offset-list attributes

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.36 router ipv6 rip redistribute

Redistribute information from another routing protocol

redistribute Specification

Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/ipv6/rip/redistribute
Element Attributes	redistribute_attributes
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

```
POST /axapi/v3/router/ipv6/rip/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

```
GET /axapi/v3/router/ipv6/rip/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ],
        "uuid": "75cf06f6-60ff-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/ipv6/rip/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

```
PUT /axapi/v3/router/ipv6/rip/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/ipv6/rip/redistribute
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

redistribute attributes

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

vip-list

Specification	
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redist-list

Specification	
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, nat64, static-nat, ospf, static

2.82.37 router ipv6 rip route-map

Route map set

route-map Specification

Type	*Configuration Resource*
Element Name	route-map
Element URI	/axapi/v3/router/ipv6/rip/route-map
Element Attributes	route-map_attributes
Schema	`route-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

```
POST /axapi/v3/router/ipv6/rip/route-map
Payload:
{
    "route-map": {
        "map-cfg": [
            {
                "map": "a",
                "route-map-direction": "in",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

```
GET /axapi/v3/router/ipv6/rip/route-map
Reponse:
{
    "route-map": {
```

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```
        "map-cfg": [
            {
                "map": "a",
                "route-map-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "9195c5e6-60ff-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/ipv6/rip/route-map"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

```
PUT /axapi/v3/router/ipv6/rip/route-map
Payload:
{
    "route-map": {
        "map-cfg": [
            {
                "map": "abcd",
                "route-map-direction": "out",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

```
DELETE /axapi/v3/router/ipv6/rip/route-map
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

route-map attributes

map-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-direction

Description 'in': Route map set for input filtering; 'out': Route map set for output filtering;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.38 router isis

Intermediate System - Intermediate System (IS-IS)

isis Specification

Type	*Collection*
Object Key(s)	*tag*
Collection Name	*isis-list*
Collection URI	/axapi/v3/router/isis
Element Name	isis
Element URI	/axapi/v3/router/isis/{tag}
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/isis

isis attributes

```
POST /axapi/v3/router/isis/
Payload:
{
    "isis": {
        "tag": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/router/isis

isis attributes

Get Object

GET

/axapi/v3/router/isis/{tag}

isis attributes

```
GET /axapi/v3/router/isis/a
Reponse:
{
    "isis": {
        "tag": "a",
        "adjacency-check": 1,
        "ignore-lsp-errors": 0,
        "is-type": "level-1",
        "lsp-refresh-interval": 900,
        "max-lsp-lifetime": 1200,
        "set-overload-bit-cfg": {
            "set-overload-bit": 0
        },
        "uuid": "ae54a2a6-60ff-11d9-a942-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/router/isis/a"
    }
}
```

Get List

GET

/axapi/v3/router/isis

isis-list

Modify Object

POST

/axapi/v3/router/isis/{tag}

isis attributes

Replace Object

PUT

/axapi/v3/router/isis/{tag}

isis attributes

```
PUT /axapi/v3/router/isis/a
Payload:
{
    "isis": {
        "tag": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/router/isis

isis-list

Delete Object

DELETE

/axapi/v3/router/isis/{tag}

isis attributes

```
DELETE /axapi/v3/router/isis/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis-list

isis-list is **JSON List** of *isis attributes*

isis-list : [

{ *isis attributes* },

{ *isis attributes* },

...

]

isis attributes

address-family

Description: address-family is a **JSON Block**. Please see below for *address-family*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

area-password-cfg

Description: area-password-cfg is a **JSON Block**. Please see below for *area-password-cfg*

Type: Object

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd

Description 'all-interfaces': Enable BFD on all interfaces;

Type: string

Supported Values: all-interfaces

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance-list

Type: List

domain-password-cfg

Description: domain-password-cfg is a **JSON Block**. Please see below for *domain-password-cfg*

Type: Object

ha-standby-extra-cost

Type: List

ignore-lsp-errors

Description Ignore LSPs with bad checksums

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

is-type

Description 'level-1': Act as a station router only; 'level-1-2': Act as both a station router and an area router; 'level-2-only': Act as an area router only;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1

log-adjacency-changes-cfg

Description: log-adjacency-changes-cfg is a **JSON Block**. Please see below for *log-adjacency-changes-cfg*

Type: Object

lsp-gen-interval-list

Type: List

lsp-refresh-interval

Description Set LSP refresh interval (LSP refresh time in seconds)

Type: number

Range: 1-65535

Default: 900

max-lsp-lifetime

Description Set maximum LSP lifetime (Maximum LSP lifetime in seconds)

Type: number

Range: 350-65535

Default: 1200

metric-style-list

Type: List

net-list

Type: List

passive-interface-list

Type: List

protocol-list

Type: List

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/redistribute*

set-overload-bit-cfg

Description: set-overload-bit-cfg is a **JSON Block**. Please see below for *set-overload-bit-cfg*

Type: Object

spf-interval-exp-list

Type: List

summary-address-list

Type: List

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default:

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-password-cfg

Specification	
Type	*object*

authenticate

Description: authenticate is a **JSON Block**. Please see below for *domain-password-cfg_authenticate*

Type: Object

password

Description Set the authentication password for a routing domain (Routing domain password)

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

domain-password-cfg_authenticate

Specification	
Type	*object*

snp

Description 'send-only': Send but do not check PDUs on receiving; 'validate': Send and check PDUs on receiving;

Type: string

Supported Values: send-only, validate

set-overload-bit-cfg

Specification	
Type	*object*

on-startup

Description: on-startup is a **JSON Block**. Please see below for *set-overload-bit-cfg_on-startup*

Type: Object

set-overload-bit

Description Signal other touers not to use us in SPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

suppress-cfg

Description: suppress-cfg is a **JSON Block**. Please see below for *set-overload-bit-cfg_suppress-cfg*

Type: Object

set-overload-bit-cfg_suppress-cfg

Specification	
Type	*object*

external

Description If overload-bit set, don't advertise IP prefixes learned from other protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interlevel

Description If overload-bit set, don't advertise IP prefixes learned from another ISIS level

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-overload-bit-cfg_on-startup

Specification	
Type	*object*

delay

Description Time in seconds to advertise ourself as overloaded after reboot

Type: number

Range: 5-86400

Mutual Exclusion: delay and wait-for-bgp are mutually exclusive

wait-for-bgp

Description Let BGP decide when to unset the overload bit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: wait-for-bgp and delay are mutually exclusive

net-list

Specification	
Type	*list*
Block object keys	

net

Description A Network Entity Title for this process (XX.XXXX. . . . .XXXX.XX Network entity title (NET))

Type: string

Format: nasp-string

Maximum Length: 63 characters

Maximum Length: 1 characters

metric-style-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-1-2

type

Description 'narrow': Use old style of TLVs with narrow metric; 'wide': Use new style of TLVs to carry wider metric; 'transition': Send and accept both styles of TLVs during transition; 'narrow-transition': Send old style of TLVs with narrow metric with accepting both styles of TLVs; 'wide-transition': Send new style of TLVs to carry wider metric with accepting both styles of TLVs;

Type: string

Supported Values: narrow, wide, transition, narrow-transition, wide-transition

Default: narrow

authentication

Specification	
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Authentication mode;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol-list

Specification	
Type	*list*
Block object keys	

protocol-topology

Description Protocol Topology

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-adjacency-changes-cfg

Specification	
Type	*object*

state

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

spf-interval-exp-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Set interval for level 1 only; 'level-2': Set interval for level 2 only;

Type: string

Supported Values: level-1, level-2

max

Description Maximum Delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min

Description Minimum Delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

passive-interface-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

lif

Description Logical interface (Lif interface number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

summary-address-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IP network prefix

Type: string

Format: ipv4-cidr

address-family

Specification	
Type	*object*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *address-family_ipv6*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family/ipv6*

address-family_ipv6

Specification	
Type	*object*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

multi-topology-cfg

Description: multi-topology-cfg is a **JSON Block**. Please see below for *address-family_ipv6_multi-topology-cfg*

Type: Object

redistribute

Description: redistribute is a **JSON Block**. Please see below for *address-family_ipv6_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute*

summary-prefix-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

address-family_ipv6_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

address-family_ipv6_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, nat64, ospf, rip, static

address-family_ipv6_redistribute_isis

Specification	
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis_level-2-from*

Type: Object

address-family_ipv6_redistribute_isis_level-2-from

Specification	
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis_level-2-from_into-2*

Type: Object

address-family_ipv6_redistribute_isis_level-2-from_into-2

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_redistribute_isis_level-1-from

Specification	
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis_level-1-from_into-1*

Type: Object

address-family_ipv6_redistribute_isis_level-1-from_into-1

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_multi-topology-cfg

Specification	
Type	*object*

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Mutual Exclusion: level and transition are mutually exclusive

level-transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology

Description Enable multi-topology mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: transition and level are mutually exclusive

address-family_ipv6_summary-prefix-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

redistribute

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_redist-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, ospf, rip, static

redistribute_isis

Specification	
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *redistribute_isis_level-2-from*

Type: Object

redistribute_isis_level-2-from

Specification	
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *redistribute_isis_level-2-from_into-2*

Type: Object

redistribute_isis_level-2-from_into-2

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_isis_level-1-from

Specification	
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *redistribute_isis_level-1-from_into-1*

Type: Object

redistribute_isis_level-1-from_into-1

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

area-password-cfg

Specification	
Type	*object*

authenticate

Description: authenticate is a **JSON Block**. Please see below for *area-password-cfg_authenticate*

Type: Object

password

Description Configure the authentication password for an area (Area password)

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

area-password-cfg_authenticate

Specification	
Type	*object*

snp

Description 'send-only': Send but do not check PDUs on receiving; 'validate': Send and check PDUs on receiving;

Type: string

Supported Values: send-only, validate

lsp-gen-interval-list

Specification	
Type	*list*
Block object keys	

interval

Description Minimum interval in seconds

Type: number

Range: 1-120

Default: 30

level

Description 'level-1': Set interval for level 1 only; 'level-2': Set interval for level 2 only;

Type: string

Supported Values: level-1, level-2

distance-list

Specification	
Type	*list*
Block object keys	

System-ID

Description System-ID in XXXX.XXXX.XXXX

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

ha-standby-extra-cost

Specification	
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

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Enter Address Family command mode

address-family Specification

Type	*Intermediate Resource*
Element Name	address-family
Element URI	/axapi/v3/router/isis/{tag}/address-family
Element Attributes	address-family_attributes
Schema	`address-family schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/isis/{tag}/address-family

address-family_attributes

address-family attributes

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family/ipv6*

ipv6

Specification	
Type	*object*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

multi-topology-cfg

Description: multi-topology-cfg is a **JSON Block**. Please see below for *ipv6_multi-topology-cfg*

Type: Object

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ipv6_redistribute*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute*

summary-prefix-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_redistribute

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

ipv6_redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ipv6_redistribute_redist-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, nat64, ospf, rip, static

ipv6_redistribute_isis

Specification	
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *ipv6_redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *ipv6_redistribute_isis_level-2-from*

Type: Object

ipv6_redistribute_isis_level-2-from

Specification	
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *ipv6_redistribute_isis_level-2-from_into-2*

Type: Object

ipv6_redistribute_isis_level-2-from_into-2

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_redistribute_isis_level-1-from

Specification	
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *ipv6_redistribute_isis_level-1-from_into-1*

Type: Object

ipv6_redistribute_isis_level-1-from_into-1

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_multi-topology-cfg

Specification	
Type	*object*

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Mutual Exclusion: level and transition are mutually exclusive

level-transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology

Description Enable multi-topology mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: transition and level are mutually exclusive

ipv6_summary-prefix-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

2.82.40 router isis address-family ipv6

Address family

ipv6 Specification

Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/router/isis/{tag}/address-family/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

```
POST /axapi/v3/router/isis/a/address-family/ipv6
Payload:
{
    "ipv6": {
        "default-information": "originate",
        "redistribute": {
            "redist-list": [
```

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```
                {
                    "type": "bgp",
                    "metric": 0
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

```
GET /axapi/v3/router/isis/a/address-family/ipv6
Reponse:
{
    "ipv6": {
        "default-information": "originate",
        "adjacency-check": 1,
        "distance": 115,
        "multi-topology-cfg": {
            "multi-topology": 0
        },
        "uuid": "47095852-6100-11d9-a942-001fa00680a0",
        "redistribute": {
            "redist-list": [
                {
                    "type": "bgp",
                    "metric": 0,
                    "metric-type": "internal",
                    "level": "level-2"
                }
            ],
            "isis": {
                "level-1-from": {
                    "into-1": {
                        "level-2": 0
                    }
                },
                "level-2-from": {
                    "into-2": {
                        "level-1": 0
                    }
                }
            },
            "uuid": "4709ccb0-6100-11d9-a942-001fa00680a0",
            "a10-url": "/axapi/v3/router/isis/a/address-family/ipv6/redistribute"
        },
        "a10-url": "/axapi/v3/router/isis/a/address-family/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

```
PUT /axapi/v3/router/isis/a/address-family/ipv6
Payload:
{
    "ipv6": {
        "default-information": "originate",
        "redistribute": {
            "redist-list": [
                {
                    "type": "connected",
                    "metric-type": "internal"
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

```
DELETE /axapi/v3/router/isis/a/address-family/ipv6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6 attributes

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

multi-topology-cfg

Description: multi-topology-cfg is a **JSON Block**. Please see below for *multi-topology-cfg*

Type: Object

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Refernce Object: */axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute*

summary-prefix-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

redistribute

Specification	
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_redist-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, nat64, ospf, rip, static

redistribute_isis

Specification	
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *redistribute_isis_level-2-from*

Type: Object

redistribute_isis_level-2-from

Specification	
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *redistribute_isis_level-2-from_into-2*

Type: Object

redistribute_isis_level-2-from_into-2

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_isis_level-1-from

Specification	
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *redistribute_isis_level-1-from_into-1*

Type: Object

redistribute_isis_level-1-from_into-1

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology-cfg

Specification	
Type	*object*

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Mutual Exclusion: level and transition are mutually exclusive

level-transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology

Description Enable multi-topology mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: transition and level are mutually exclusive

summary-prefix-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

2.82.41 router isis address-family ipv6 redistribute

Redistribute information from another routing protocol

redistribute Specification

Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute
Element Attributes	redistribute_attributes
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

```
POST /axapi/v3/router/isis/a/address-family/ipv6/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

```
GET /axapi/v3/router/isis/a/address-family/ipv6/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0,
                "metric-type": "internal",
                "level": "level-2"
            }
```

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```
        ],
        "isis": {
            "level-1-from": {
                "into-1": {
                    "level-2": 0
                }
            },
            "level-2-from": {
                "into-2": {
                    "level-1": 0
                }
            }
        },
        "uuid": "7223363e-6100-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/isis/a/address-family/ipv6/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

```
PUT /axapi/v3/router/isis/a/address-family/ipv6/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/isis/a/address-family/ipv6/redistribute
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

redistribute attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

vip-list

Specification	
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redist-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, nat64, ospf, rip, static

isis

Specification	
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *isis_level-2-from*

Type: Object

isis_level-2-from

Specification	
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *isis_level-2-from_into-2*

Type: Object

isis_level-2-from_into-2

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_level-1-from

Specification	
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *isis_level-1-from_into-1*

Type: Object

isis_level-1-from_into-1

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.82.42 router isis redistribute

Redistribute information from another routing protocol

redistribute Specification

Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/isis/{tag}/redistribute
Element Attributes	redistribute_attributes
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

```
POST /axapi/v3/router/isis/a/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

```
GET /axapi/v3/router/isis/a/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0,
```

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```
                "metric-type": "internal",
                "level": "level-2"
            }
        ],
        "isis": {
            "level-1-from": {
                "into-1": {
                    "level-2": 0
                }
            },
            "level-2-from": {
                "into-2": {
                    "level-1": 0
                }
            }
        },
        "uuid": "a60cbc90-6100-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/isis/a/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

```
PUT /axapi/v3/router/isis/a/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/isis/a/redistribute
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

redistribute attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

vip-list

Specification	
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redist-list

Specification	
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, ospf, rip, static

isis

Specification	
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *isis_level-2-from*

Type: Object

isis_level-2-from

Specification	
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *isis_level-2-from_into-2*

Type: Object

isis_level-2-from_into-2

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_level-1-from

Specification	
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *isis_level-1-from_into-1*

Type: Object

isis_level-1-from_into-1

Specification	
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.82.43 router lacp

Link Aggregation Control Protocol (LACP)

lacp Specification

Type	*Configuration Resource*
Element Name	lacp
Element URI	/axapi/v3/router/lacp
Element Attributes	lacp_attributes
Schema	`lacp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/lacp

lacp attributes

Get Object

GET

/axapi/v3/router/lacp

lacp attributes

Modify Object

POST

/axapi/v3/router/lacp

lacp attributes

Replace Object

PUT

/axapi/v3/router/lacp

lacp attributes

Delete Object

DELETE

/axapi/v3/router/lacp

lacp attributes

lacp attributes

2.82.44 router log

Router log options

log Specification

Type	*Configuration Resource*
Element Name	log
Element URI	/axapi/v3/router/log
Element Attributes	log_attributes
Schema	`log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/log

log attributes

```
POST /axapi/v3/router/log
Payload:
{
    "log": {
        "log-buffer": 1
    }
}
```

Get Object

GET

/axapi/v3/router/log

log attributes

```
GET /axapi/v3/router/log
Reponse:
{
    "log": {
        "log-buffer": 1,
        "uuid": "d6a0adda-6100-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/log"
    }
}
```

Modify Object

POST

/axapi/v3/router/log

log attributes

Replace Object

PUT

/axapi/v3/router/log

log attributes

```
PUT /axapi/v3/router/log
Payload:
{
    "log": {
        "log-buffer": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/router/log

log attributes

```
DELETE /axapi/v3/router/log
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

log attributes

file

Description: file is a **JSON Block**. Please see below for *file*

Type: Object

Refernce Object: */axapi/v3/router/log/file*

log-buffer

Description Logging goes to log-buffer

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

file

Specification	
Type	*object*

name

Description Logging filename (File name)

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

per-protocol

Description Per protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotate

Description Log file rotation (Number of backup files)

Type: number

Range: 0-100

size

Description Log file maximum size (File size in MBytes)

Type: number

Range: 0-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.45 router log file

Logging to file

file Specification

Type	*Configuration Resource*
Element Name	file
Element URI	/axapi/v3/router/log/file
Element Attributes	file_attributes
Schema	`file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/log/file

file attributes

```
POST /axapi/v3/router/log/file
Payload:
{
    "file": {
        "per-protocol": 1
    }
}
```

Get Object

GET

/axapi/v3/router/log/file

file attributes

```
GET /axapi/v3/router/log/file
Reponse:
{
    "file": {
        "per-protocol": 1,
        "uuid": "e411d246-6100-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/log/file"
    }
}
```

Modify Object

POST

/axapi/v3/router/log/file

file attributes

Replace Object

PUT

/axapi/v3/router/log/file

file attributes

```
PUT /axapi/v3/router/log/file
Payload:
{
    "file": {
        "per-protocol": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/log/file

file attributes

```
DELETE /axapi/v3/router/log/file
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

file attributes

name

Description Logging filename (File name)

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

per-protocol

Description Per protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotate

Description Log file rotation (Number of backup files)

Type: number

Range: 0-100

size

Description Log file maximum size (File size in MBytes)

Type: number

Range: 0-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.46 router ospf

Open Shortest Path First (OSPF)

ospf Specification

Type	*Collection*
Object Key(s)	*process-id*
Collection Name	*ospf-list*
Collection URI	/axapi/v3/router/ospf
Element Name	ospf
Element URI	/axapi/v3/router/ospf/{process-id}
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ospf

ospf attributes

```
POST /axapi/v3/router/ospf/
Payload:
{
    "ospf": {
        "process-id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/router/ospf

ospf attributes

Get Object

GET

/axapi/v3/router/ospf/{process-id}

ospf attributes

```
GET /axapi/v3/router/ospf/1
Reponse:
{
    "ospf": {
        "process-id": 1,
        "auto-cost-reference-bandwidth": 10000,
        "bfd-all-interfaces": 0,
        "rfc1583-compatible": 0,
        "default-metric": 20,
        "distance": {
            "distance-value": 110
        },
        "max-concurrent-dd": 5,
        "ospf-1": {
            "abr-type": {
                "option": "cisco"
            }
        },
        "overflow": {
            "database": {
                "count": 4294967294,
                "limit": "hard",
                "db-external": 2147483647,
                "recovery-time": 0
            }
        },
        "timers": {
            "spf": {
                "exp": {
                    "min-delay": 500,
                    "max-delay": 50000
                }
            }
        },
        "uuid": "f916469a-6100-11d9-a942-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/router/ospf/1"
    }
}
```

Get List

GET

/axapi/v3/router/ospf

ospf-list

Modify Object

POST

/axapi/v3/router/ospf/{process-id}

ospf attributes

Replace Object

PUT

/axapi/v3/router/ospf/{process-id}

ospf attributes

```
PUT /axapi/v3/router/ospf/1
Payload:
{
    "ospf": {
        "process-id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/router/ospf

ospf-list

Delete Object

DELETE

/axapi/v3/router/ospf/{process-id}

ospf attributes

```
DELETE /axapi/v3/router/ospf/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf-list

ospf-list is **JSON List** of *ospf attributes*

ospf-list : [

{ *ospf attributes* },

{ *ospf attributes* },

...

]

ospf attributes

area-list

Type: List

Refernce Object: */axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *default-information*

Type: Object

Refernce Object: */axapi/v3/router/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distance

Description: distance is a **JSON Block**. Please see below for *distance*

Type: Object

distribute-internal-list

Type: List

distribute-lists

Type: List

extern-lsa-equivalence-check

Description external LSA equivalance check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-standby-extra-cost

Type: List

host-list

Type: List

log-adjacency-changes-cfg

Description: log-adjacency-changes-cfg is a **JSON Block**. Please see below for *log-adjacency-changes-cfg*

Type: Object

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

maximum-area

Description Maximum number of OSPF area (OSPF area limit)

Type: number

Range: 1-4294967294

neighbor-list

Type: List

network-list

Type: List

ospf-1

Description: ospf-1 is a **JSON Block**. Please see below for *ospf-1*

Type: Object

overflow

Description: overflow is a **JSON Block**. Please see below for *overflow*

Type: Object

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *passive-interface*

Type: Object

process-id

Description OSPF process ID

Type: number

Range: 0-65535

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Refernce Object: */axapi/v3/router/ospf/{process-id}/redistribute*

rfc1583-compatible

Description Compatible with RFC 1583

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-id

Description: router-id is a **JSON Block**. Please see below for *router-id*

Type: Object

summary-address-list

Type: List

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-internal-list

Specification	
Type	*list*
Block object keys	

di-area-ipv4

Description OSPF area ID as a IP address format

Type: string

Format: ipv4-address

di-area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

di-cost

Description Cost of route

Type: number

Range: 1-65535

Default: 1

di-type

Description 'lw4o6': LW4O6 Prefix; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'vip': Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, floating-ip, ip-nat, ip-nat-list, static-nat, vip, vip-only-flagged

distribute-lists

Specification	
Type	*list*
Block object keys	

direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

option

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ospf-id

Description OSPF process ID

Type: number

Range: 1-65535

protocol

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'lw4o6': LW4O6 Prefix; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'isis': ISO IS-IS; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, lw4o6, ip-nat, ip-nat-list, static-nat, isis, ospf, rip, static

value

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router-id

Specification	
Type	*object*

value

Description OSPF router-id in IPv4 address format

Type: string

Format: ipv4-address

neighbor-list

Specification	
Type	*list*
Block object keys	

address

Description Neighbor address

Type: string

Format: ipv4-address

cost

Description OSPF cost for point-to-multipoint neighbor (Metric)

Type: number

Range: 1-65535

poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 1-65535

priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf-1

Specification	
Type	*object*

abr-type

Description: abr-type is a **JSON Block**. Please see below for *ospf-1_abr-type*

Type: Object

ospf-1_abr-type

Specification	
Type	*object*

option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'shortcut': Shortcut ABR; 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, shortcut, standard

Default: cisco

host-list

Specification	
Type	*list*
Block object keys	

area-cfg

Description: area-cfg is a **JSON Block**. Please see below for *host-list_area-cfg*

Type: Object

host-address

Description Host address

Type: string

Format: ipv4-address

host-list_area-cfg

Specification	
Type	*object*

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Mutual Exclusion: area-ipv4 and area-num are mutually exclusive

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

Mutual Exclusion: area-num and area-ipv4 are mutually exclusive

cost

Description Cost of host

Type: number

Range: 0-65535

Default: 0

log-adjacency-changes-cfg

Specification	
Type	*object*

state

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

area-list

Specification	
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *area-list_auth-cfg*

Type: Object

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

filter-lists

Type: List

nssa-cfg

Description: nssa-cfg is a **JSON Block**. Please see below for *area-list_nssa-cfg*

Type: Object

range-list

Type: List

shortcut

Description 'default': Set default shortcutting behavior; 'disable': Disable shortcutting through the area; 'enable': Enable shortcutting through the area;

Type: string

Supported Values: default, disable, enable

Default: default

stub-cfg

Description: stub-cfg is a **JSON Block**. Please see below for *area-list_stub-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

area-list_nssa-cfg

Specification	
Type	*object*

default-information-originate

Description Originate Type 7 default into NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

Default: 1

metric-type

Description OSPF metric type (OSPF metric type for default routes)

Type: number

Range: 1-2

Default: 2

no-redistribution

Description No redistribution into this NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-summary

Description Do not send summary LSA into NSSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nssa

Description Specify a NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translator-role

Description 'always': Translate always; 'candidate': Candidate for translator (default); 'never': Do not translate;

Type: string

Supported Values: always, candidate, never

Default: candidate

area-list_filter-lists

Specification	
Type	*list*
Block object keys	

acl-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

acl-name

Description Filter networks by access-list (Name of an access-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list

Description Filter networks between OSPF areas

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

plist-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

plist-name

Description Filter networks by prefix-list (Name of an IP prefix-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

area-list_virtual-link-list

Specification	
Type	*list*
Block object keys	

authentication-key

Description Set authentication key (Authentication key (8 chars))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

md5

Description Use MD5 algorithm (Authentication key (16 chars))

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Set message digest key (Key ID)

Type: number

Range: 1-255

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

virtual-link-auth-type

Description 'message-digest': Use message-digest authentication; 'null': Use null authentication;

Type: string

Supported Values: message-digest, null

virtual-link-authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

virtual-link-ip-addr

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

area-list_stub-cfg

Specification	
Type	*object*

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stub

Description Configure OSPF area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

area-list_auth-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest

Description Use message-digest authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

area-list_range-list

Specification	
Type	*list*
Block object keys	

area-range-prefix

Description Area range for IPv4 prefix

Type: string

Format: ipv4-cidr

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

Default: advertise

summary-address-list

Specification	
Type	*list*
Block object keys	

not-advertise

Description Suppress routes that match the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-address

Description Configure IP address summaries (Summary prefix)

Type: string

Format: ipv4-cidr

tag

Description Set tag (32-bit tag value)

Type: number

Range: 0-4294967295

passive-interface

Specification	
Type	*object*

eth-cfg

Type: List

lif-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

passive-interface_tunnel-cfg

Specification	
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

tunnel-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

loopback-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ve-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_lif-cfg

Specification	
Type	*list*
Block object keys	

lif

Description Logical interface (Lif interface number)

Type: number

Format: interface

lif-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

trunk-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_eth-cfg

Specification	
Type	*list*
Block object keys	

eth-address

Description Address of Interface

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

default-information

Specification	
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

overflow

Specification	
Type	*object*

database

Description: database is a **JSON Block**. Please see below for *overflow_database*

Type: Object

overflow_database

Specification	
Type	*object*

count

Description Maximum number of LSAs

Type: number

Range: 0-4294967294

Default: 4294967294

db-external

Description Maximum number of LSAs

Type: number

Range: 0-2147483647

Default: 2147483647

limit

Description 'hard': Hard limit: Instance will be shutdown if exceeded; 'soft': Soft limit: Warning will be given if exceeded;

Type: string

Supported Values: hard, soft

Default: hard

recovery-time

Description Time to recover (0 not recover)

Type: number

Range: 0-65535

Default: 0

distance

Specification	
Type	*object*

distance-ospf

Description: distance-ospf is a **JSON Block**. Please see below for *distance_distance-ospf*

Type: Object

distance-value

Description OSPF Administrative distance

Type: number

Range: 1-255

Default: 110

distance_distance-ospf

Specification	
Type	*object*

distance-external

Description External routes (Distance for external routes)

Type: number

Range: 1-255

distance-inter-area

Description Inter-area routes (Distance for inter-area routes)

Type: number

Range: 1-255

distance-intra-area

Description Intra-area routes (Distance for intra-area routes)

Type: number

Range: 1-255

redistribute

Specification	
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ip-nat

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, lw4o6, nat-map, static-nat, isis, rip, static

redistribute_ospf-list

Specification	
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: number

Range: 1-65535

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ospf

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

redistribute_ip-nat-floating-list

Specification	
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

ip-nat-prefix

Description Address

Type: string

Format: ipv4-cidr

redistribute_vip-list

Specification	
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-vip

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_vip-floating-list

Specification	
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv4-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

network-list

Specification	
Type	*list*
Block object keys	

network-area

Description: network-area is a **JSON Block**. Please see below for *network-list_network-area*

Type: Object

network-ipv4

Description Network number

Type: string

Format: ipv4-address

network-ipv4-cidr

Description OSPF network prefix

Type: string

Format: ipv4-cidr

network-ipv4-mask

Description OSPF wild card bits

Type: string

Format: ipv4-rev-netmask

network-list_network-area

Specification	
Type	*object*

instance-value

Description Instance ID

Type: number

Range: 0-255

Default: 0

network-area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

network-area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

timers

Specification	
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *timers_spf*

Type: Object

timers_spf

Specification	
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *timers_spf_exp*

Type: Object

timers_spf_exp

Specification	
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ha-standby-extra-cost

Specification	
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

2.82.47 router ospf area

OSPF area parameters

area Specification

Type	*Collection*
Object Key(s)	*area-ipv4, area-num*
Collection Name	*area-list*
Collection URI	/axapi/v3/router/ospf/{process-id}/area
Element Name	area
Element URI	/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}
Element Attributes	area_attributes
Schema	`area schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ospf/{process-id}/area

area attributes

Create List

POST

/axapi/v3/router/ospf/{process-id}/area

area attributes

Get Object

GET

/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Get List

GET

/axapi/v3/router/ospf/{process-id}/area

area-list

Modify Object

POST

/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Replace Object

PUT

/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Replace List

PUT

/axapi/v3/router/ospf/{process-id}/area

area-list

Delete Object

DELETE

/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

area-list

area-list is **JSON List** of *area attributes*

area-list : [

{ *area attributes* },

{ *area attributes* },

...

]

area attributes

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *auth-cfg*

Type: Object

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

filter-lists

Type: List

nssa-cfg

Description: nssa-cfg is a **JSON Block**. Please see below for *nssa-cfg*

Type: Object

range-list

Type: List

shortcut

Description 'default': Set default shortcutting behavior; 'disable': Disable shortcutting through the area; 'enable': Enable shortcutting through the area;

Type: string

Supported Values: default, disable, enable

Default: default

stub-cfg

Description: stub-cfg is a **JSON Block**. Please see below for *stub-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

nssa-cfg

Specification	
Type	*object*

default-information-originate

Description Originate Type 7 default into NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

Default: 1

metric-type

Description OSPF metric type (OSPF metric type for default routes)

Type: number

Range: 1-2

Default: 2

no-redistribution

Description No redistribution into this NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-summary

Description Do not send summary LSA into NSSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nssa

Description Specify a NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translator-role

Description 'always': Translate always; 'candidate': Candidate for translator (default); 'never': Do not translate;

Type: string

Supported Values: always, candidate, never

Default: candidate

filter-lists

Specification	
Type	*list*
Block object keys	

acl-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

acl-name

Description Filter networks by access-list (Name of an access-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list

Description Filter networks between OSPF areas

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

plist-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

plist-name

Description Filter networks by prefix-list (Name of an IP prefix-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

virtual-link-list

Specification	
Type	*list*
Block object keys	

authentication-key

Description Set authentication key (Authentication key (8 chars))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

md5

Description Use MD5 algorithm (Authentication key (16 chars))

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Set message digest key (Key ID)

Type: number

Range: 1-255

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

virtual-link-auth-type

Description 'message-digest': Use message-digest authentication; 'null': Use null authentication;

Type: string

Supported Values: message-digest, null

virtual-link-authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

virtual-link-ip-addr

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

stub-cfg

Specification	
Type	*object*

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stub

Description Configure OSPF area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-cfg

Specification	
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest

Description Use message-digest authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Specification	
Type	*list*
Block object keys	

area-range-prefix

Description Area range for IPv4 prefix

Type: string

Format: ipv4-cidr

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

Default: advertise

2.82.48 router ospf default-information

Control distribution of default information

default-information Specification

Type	*Configuration Resource*
Element Name	default-information
Element URI	/axapi/v3/router/ospf/{process-id}/default-information
Element Attributes	default-information_attributes
Schema	`default-information schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

```
POST /axapi/v3/router/ospf/1/default-information
Payload:
{
    "default-information": {
        "originate": 1,
        "always": 1
    }
}
```

Get Object

GET

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

```
GET /axapi/v3/router/ospf/1/default-information
Reponse:
{
    "default-information": {
        "originate": 1,
        "always": 1,
        "metric-type": 2,
        "uuid": "a4baa0da-6102-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/ospf/1/default-information"
    }
}
```

Modify Object

POST

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

Replace Object

PUT

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

```
PUT /axapi/v3/router/ospf/1/default-information
Payload:
{
    "default-information": {
        "originate": 1,
        "always": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

```
DELETE /axapi/v3/router/ospf/1/default-information
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

default-information attributes

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.49 router ospf redistribute

Redistribute information from another routing protocol

redistribute Specification

Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/ospf/{process-id}/redistribute
Element Attributes	redistribute_attributes
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

```
POST /axapi/v3/router/ospf/1/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
```

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```
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

```
GET /axapi/v3/router/ospf/1/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0,
                "metric-type": "2"
            }
        ],
        "ip-nat": 0,
        "uuid": "b4c01974-6102-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/ospf/1/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

```
PUT /axapi/v3/router/ospf/1/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
```

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```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/ospf/1/redistribute
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

redistribute attributes

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ip-nat

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

redist-list

Specification	
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, lw4o6, nat-map, static-nat, isis, rip, static

ospf-list

Specification	
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: number

Range: 1-65535

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ospf

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

ip-nat-floating-list

Specification	
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

ip-nat-prefix

Description Address

Type: string

Format: ipv4-cidr

vip-list

Specification	
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-vip

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

vip-floating-list

Specification	
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv4-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

2.82.50 router rip

Routing Information Protocol (RIP)

rip Specification

Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/router/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip

rip attributes

```
POST /axapi/v3/router/rip
Payload:
{
    "rip": {
        "cisco-metric-behavior": "enable",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl-direction": "in",
                    "acl": "a",
                    "ethernet": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/router/rip

rip attributes

```
GET /axapi/v3/router/rip
Reponse:
{
    "rip": {
        "cisco-metric-behavior": "enable",
        "default-metric": 1,
        "version": 2,
        "uuid": "12aa13be-6103-11d9-a942-001fa00680a0",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl": "a",
```

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```
                    "acl-direction": "in",
                    "ethernet": 1
                }
            ],
            "uuid": "12aa5aae-6103-11d9-a942-001fa00680a0",
            "a10-url": "/axapi/v3/router/rip/distribute-list"
        },
        "a10-url": "/axapi/v3/router/rip"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip

rip attributes

Replace Object

PUT

/axapi/v3/router/rip

rip attributes

```
PUT /axapi/v3/router/rip
Payload:
{
    "rip": {
        "default-information": "originate",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl-direction": "out",
                    "acl": "abc",
                    "loopback": 2
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip

rip attributes

```
DELETE /axapi/v3/router/rip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rip attributes

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distance-list-cfg

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *distribute-list*

Type: Object

Refernce Object: */axapi/v3/router/rip/distribute-list*

neighbor

Type: List

network-addresses

Type: List

network-interface-list-cfg

Type: List

offset-list

Description: offset-list is a **JSON Block**. Please see below for *offset-list*

Type: Object

Refernce Object: */axapi/v3/router/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIP UDP receive buffer size (the RIP UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Refernce Object: */axapi/v3/router/rip/redistribute*

rip-maximum-prefix-cfg

Description: rip-maximum-prefix-cfg is a **JSON Block**. Please see below for *rip-maximum-prefix-cfg*

Type: Object

route-cfg

Type: List

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description Set routing protocol version (RIP version)

Type: number

Range: 1-2

Default: 2

rip-maximum-prefix-cfg

Specification	
Type	*object*

maximum-prefix

Description Set the maximum number of RIP routes

Type: number

Range: 1-2048

maximum-prefix-thres

Description Percentage of maximum routes to generate a warning (Default 75%)

Type: number

Range: 1-100

Default: 75

route-cfg

Specification	
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix network/length)

Type: string

Format: ipv4-cidr

passive-interface-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

redistribute

Specification	
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

redistribute_vip-list

Specification	
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_redist-list

Specification	
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, static-nat, ospf, static

network-interface-list-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

timers

Specification	
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *timers_timers-cfg*

Type: Object

timers_timers-cfg

Specification	
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

neighbor

Specification	
Type	*list*
Block object keys	

value

Description Neighbor address

Type: string

Format: ipv4-address

offset-list

Specification	
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

offset-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distribute-list

Specification	
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *distribute-list_prefix*

Type: Object

Refernce Object: */axapi/v3/router/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-list_acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distribute-list_prefix

Specification	
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-list_prefix_prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distance-list-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Administrative distance (Distance value)

Type: number

Range: 1-255

Default: 120

distance-acl

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distance-ipv4-mask

Description IP source prefix

Type: string

Format: ipv4-cidr

network-addresses

Specification	
Type	*list*
Block object keys	

network-ipv4-mask

Description IP prefix network/length, e.g., 35.0.0.0/8

Type: string

Format: ipv4-cidr

2.82.51 router rip distribute-list

Filter networks in routing updates

distribute-list Specification

Type	*Configuration Resource*
Element Name	distribute-list
Element URI	/axapi/v3/router/rip/distribute-list
Element Attributes	distribute-list_attributes
Schema	`distribute-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip/distribute-list

distribute-list attributes

```
POST /axapi/v3/router/rip/distribute-list
Payload:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl-direction": "in",
                "acl": "a",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/rip/distribute-list

distribute-list attributes

```
GET /axapi/v3/router/rip/distribute-list
Reponse:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl": "a",
                "acl-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "b60d41e6-6105-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/rip/distribute-list"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip/distribute-list

distribute-list attributes

Replace Object

PUT

/axapi/v3/router/rip/distribute-list

distribute-list attributes

```
PUT /axapi/v3/router/rip/distribute-list
Payload:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl-direction": "out",
                "acl": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip/distribute-list

distribute-list attributes

```
DELETE /axapi/v3/router/rip/distribute-list
```

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```
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

distribute-list attributes

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *prefix*

Type: Object

Refernce Object: */axapi/v3/router/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

prefix

Specification	
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix_prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.52 router rip distribute-list prefix

Filter prefixes in routing updates

prefix Specification

Type	*Configuration Resource*
Element Name	prefix
Element URI	/axapi/v3/router/rip/distribute-list/prefix
Element Attributes	prefix_attributes
Schema	`prefix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

```
POST /axapi/v3/router/rip/distribute-list/prefix
Payload:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list-direction": "in",
                "prefix-list": "a",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

```
GET /axapi/v3/router/rip/distribute-list/prefix
Reponse:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list": "a",
                "prefix-list-direction": "in",
                "ethernet": 1
            }
```

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```
        ],
        "uuid": "d377b7f2-6105-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/rip/distribute-list/prefix"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

Replace Object

PUT

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

```
PUT /axapi/v3/router/rip/distribute-list/prefix
Payload:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list-direction": "out",
                "prefix-list": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

```
DELETE /axapi/v3/router/rip/distribute-list/prefix
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

prefix attributes

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.53 router rip offset-list

Modify RIP metric

offset-list Specification

Type	*Configuration Resource*
Element Name	offset-list
Element URI	/axapi/v3/router/rip/offset-list
Element Attributes	offset-list_attributes
Schema	`offset-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip/offset-list

offset-list attributes

```
POST /axapi/v3/router/rip/offset-list
Payload:
{
    "offset-list": {
        "acl-cfg": [
            {
                "metric": 0,
                "offset-list-direction": "in",
                "acl": "a",
                "ethernet": 4
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/rip/offset-list

offset-list attributes

```
GET /axapi/v3/router/rip/offset-list
Reponse:
{
    "offset-list": {
        "acl-cfg": [
            {
                "acl": "a",
                "offset-list-direction": "in",
                "metric": 0,
                "ethernet": 4
            }
        ],
        "uuid": "f3c10fe0-6105-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/rip/offset-list"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip/offset-list

offset-list attributes

Replace Object

PUT

/axapi/v3/router/rip/offset-list

offset-list attributes

```
PUT /axapi/v3/router/rip/offset-list
Payload:
{
    "offset-list": {
        "acl-cfg": [
            {
                "metric": 1,
                "offset-list-direction": "out",
                "acl": "abcd",
                "ethernet": 5
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip/offset-list

offset-list attributes

```
DELETE /axapi/v3/router/rip/offset-list
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

offset-list attributes

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-cfg

Specification	
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.82.54 router rip redistribute

Redistribute information from another routing protocol

redistribute Specification

Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/rip/redistribute
Element Attributes	redistribute_attributes
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip/redistribute

redistribute attributes

```
POST /axapi/v3/router/rip/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/rip/redistribute

redistribute attributes

```
GET /axapi/v3/router/rip/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ],
        "uuid": "23aadd9e-6106-11d9-a942-001fa00680a0",
        "a10-url": "/axapi/v3/router/rip/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/rip/redistribute

redistribute attributes

```
PUT /axapi/v3/router/rip/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
```

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```
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/rip/redistribute
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

redistribute attributes

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

vip-list

Specification	
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redist-list

Specification	
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, static-nat, ospf, static

2.83 rule-set

Objects:

2.83.1 rule-set

Configure Security policy Rule Set

rule-set Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*rule-set-list*
Collection URI	/axapi/v3/rule-set
Element Name	rule-set
Element URI	/axapi/v3/rule-set/{name}
Element Attributes	rule-set_attributes
Statistics Data URI	/axapi/v3/rule-set/{name}/stats
Operational Data URI	/axapi/v3/rule-set/{name}/oper
Schema	`rule-set schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set

rule-set attributes

```
POST /axapi/v3/rule-set/
Payload:
{
    "rule-set": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/rule-set

rule-set attributes

Get Object

GET

/axapi/v3/rule-set/{name}

rule-set attributes

```
GET /axapi/v3/rule-set/a
Reponse:
{
    "rule-set": {
        "name": "a",
        "session-statistic": "enable",
        "uuid": "0f3ed3be-603f-11d9-add7-001fa00680a0",
        "user-tag": "a",
        "rules-by-zone": {
            "uuid": "0f3f8250-603f-11d9-add7-001fa00680a0",
            "a10-url": "/axapi/v3/rule-set/a/rules-by-zone"
        },
        "application": {
            "uuid": "0f3f8354-603f-11d9-add7-001fa00680a0",
            "a10-url": "/axapi/v3/rule-set/a/application"
        },
        "track-app-rule-list": {
            "uuid": "0f3f8444-603f-11d9-add7-001fa00680a0",
            "a10-url": "/axapi/v3/rule-set/a/track-app-rule-list"
        },
        "a10-url": "/axapi/v3/rule-set/a"
    }
}
```

Get List

GET

/axapi/v3/rule-set

rule-set-list

Modify Object

POST

/axapi/v3/rule-set/{name}

rule-set attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}

rule-set attributes

```
PUT /axapi/v3/rule-set/a
Payload:
{
    "rule-set": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/rule-set

rule-set-list

Delete Object

DELETE

/axapi/v3/rule-set/{name}

rule-set attributes

```
DELETE /axapi/v3/rule-set/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rule-set-list

rule-set-list is **JSON List** of *rule-set attributes*

rule-set-list : [

{ *rule-set attributes* },

{ *rule-set attributes* },

...

]

rule-set attributes

app

Description: app is a **JSON Block**. Please see below for *app*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/app*

application

Description: application is a **JSON Block**. Please see below for *application*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/application*

name

Description Rule set name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl*

remark

Description Rule set entry comment (Notes for this rule set)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rule-list

Type: List

Refernce Object: */axapi/v3/rule-set/{name}/rule/{name}*

rules-by-zone

Description: rules-by-zone is a **JSON Block**. Please see below for *rules-by-zone*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/rules-by-zone*

sampling-enable

Type: List

session-statistic

Description 'enable': Enable session based statistic (Default); 'disable': Disable session based statistic;

Type: string

Supported Values: enable, disable

Default: enable

tag

Description: tag is a **JSON Block**. Please see below for *tag*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/tag*

track-app-rule-list

Description: track-app-rule-list is a **JSON Block**. Please see below for *track-app-rule-list*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/track-app-rule-list*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

track-app-rule-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

application

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'unmatched-drops': Total Unmatched drops in this rule-set; 'permit': Accumulated permitted requests in this rule-set; 'deny': Accumulated denied requests in this rule-set; 'reset': Accumulated reset requests in this rule-set;

Type: string

Supported Values: all, unmatched-drops, permit, deny, reset

tag

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-list

Specification	
Type	*list*
Block object keys	

action

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

action-group

Description: action-group is a **JSON Block**. Please see below for *rule-list_action-group*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/rule/{name}/action-group*

app-list

Type: List

application-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: application-anyobj-grp-application, protocol and protocol-tag are mutually exclusive

cgnv6-fixed-nat-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6-log and cgnv6-policy are mutually exclusive

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-lsn-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT;

Type: string

Supported Values: lsn-lid, fixed-nat

Mutual Exclusion: cgnv6-policy and cgnv6-log are mutually exclusive

dest-list

Type: List

dscp-list

Type: List

dst-class-list

Description Match destination IP against class-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-class-listdst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server and dst-slb-vserver are mutually exclusive

Refernce Object: */axapi/v3/class-list*

dst-domain-list

Description Match destination IP against domain-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-domain-list dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/domain-list*

dst-geoloc-list

Description Geolocation name list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-geoloc-listdst-geoloc-name, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server and dst-slb-vserver are mutually exclusive

dst-geoloc-list-shared

Description Use Geolocation list from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-geoloc-name

Description Single geolocation name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-geoloc-namedst-geoloc-list, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server and dst-slb-vserver are mutually exclusive

dst-ipv4-any

Description 'any': Any IPv4 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-ipv4-anydst-ipv6-any, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, dst-slb-vserver and dst-domain-list are mutually exclusive

dst-ipv6-any

Description 'any': Any IPv6 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-ipv6-anydst-ipv4-any, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, dst-slb-vserver and dst-domain-list are mutually exclusive

dst-threat-list

Description Bind threat-list for destination IP based filtering

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/threat-intel/threat-list*

dst-zone

Description Bind zone for destination matching

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-zone and dst-zone-any are mutually exclusive

Refernce Object: */axapi/v3/zone*

dst-zone-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-zone-any and dst-zone are mutually exclusive

forward-listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fwlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-template

Description Configure GTP Policy Template (GTP Template Policy Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp-policy*

idle-timeout

Description TCP/UDP idle-timeout

Type: number

Range: 1-2097151

ip-version

Description 'v4': IPv4 rule; 'v6': IPv6 rule;

Type: string

Supported Values: v4, v6

Default: v4

lid

Description Apply a Template LID

Type: number

Range: 1-1023

lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port and log are mutually exclusive

listen-on-port-lid

Description Apply a Template LID

Type: number

Range: 1-1023

listen-on-port-lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: log listen-on-port and policy are mutually exclusive

move-rule

Description: move-rule is a **JSON Block**. Please see below for *rule-list_move-rule*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/rule/{name}/move-rule*

name

Description name of the policy rule

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl*

policy

Description 'cgnv6': Apply CGNv6 policy; 'forward': Forward packet;

Type: string

Supported Values: cgnv6, forward, ipsec

Mutual Exclusion: policy and log are mutually exclusive

remark

Description Rule entry comment (Notes for this rule)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

reset-lid

Description Apply a Template LID

Type: number

Range: 1-1023

reset-lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: service-anyprotocols, proto-id, obj-grp-service, icmp and icmpv6 are mutually exclusive

service-list

Type: List

source-list

Type: List

src-class-list

Description Match source IP against class-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-class-listsrc-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

Refernce Object: */axapi/v3/class-list*

src-geoloc-list

Description Geolocation name list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-geoloc-listsrc-geoloc-name, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

src-geoloc-list-shared

Description Use Geolocation list from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-geoloc-name

Description Single geolocation name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: src-geoloc-namesrc-geoloc-list, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

src-ipv4-any

Description 'any': Any IPv4 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-ipv4-anysrc-ipv6-any, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

src-ipv6-any

Description 'any': Any IPv6 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-ipv6-anysrc-ipv4-any, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

src-threat-list

Description Bind threat-list for source IP based filtering

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/threat-intel/threat-list*

src-zone

Description Bind zone for source matching

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: src-zone and src-zone-any are mutually exclusive

Refernce Object: */axapi/v3/zone*

src-zone-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-zone-any and src-zone are mutually exclusive

status

Description 'enable': Enable this rule; 'disable': Disable this rule;

Type: string

Supported Values: enable, disable

Default: enable

track-application

Description Enable application statistic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ipsec*

rule-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-count': Hit counts;

Type: string

Supported Values: all, hit-count, permit-bytes, deny-bytes, reset-bytes, permit-packets, deny-packets, reset-packets, active-session-tcp, active-session-udp, active-session-icmp, active-session-other, session-tcp, session-udp, session-icmp, session-other, active-session-sctp, session-sctp, hitcount-timestamp, rate-limit-drops

rule-list_dscp-list

Specification	
Type	*list*
Block object keys	

dscp-range-end

Description Ending DSCP Number

Type: number

Range: 1-63

dscp-range-start

Description Start DSCP Number

Type: number

Range: 1-63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110);

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef

Mutual Exclusion: dscp-value and dscp-range are mutually exclusive

rule-list_app-list

Specification	
Type	*list*
Block object keys	

obj-grp-application

Description Application object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: obj-grp-application and application-any are mutually exclusive

Refernce Object: */axapi/v3/object-group/application*

protocol

Description Specify application(s)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: protocol and application-any are mutually exclusive

protocol-tag

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content.; 'advertising': Advertising networks and applications.; 'analytics-and-statistics': user-analytics and statistics.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Protocols required for basic classification, e.g., ARP, HTTP; 'blog': Blogging platform.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified ads.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'database': Database-specific protocols.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange, e.g., Dropbox, SMB; 'file-transfer': Protocol that offers file transferring as a functionality as a secondary feature. e.g., Skype, Whatsapp; 'forum': Online forum.; 'gaming': Protocol/application used by games.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant messaging or multiconferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU,

IEEE, ETSI, OIF.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice over IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web email application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, aetls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-

sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

Mutual Exclusion: protocol-tag and application-any are mutually exclusive

rule-list_action-group

Specification	
Type	*object*

cgnv6

Description Apply CGNv6 policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6listen-on-port, forward and ipsec are mutually exclusive

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT;

Type: string

Supported Values: lsn-lid, fixed-nat

deny-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward ipsec and cgnv6 are mutually exclusive

ipsec

Description Apply IPsec encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsecpermit-log, listen-on-port, forward, cgnv6, permit-limit-policy and permit-respond-to-user-mac are mutually exclusive

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port ipsec and cgnv6 are mutually exclusive

permit-limit-policy

Description Limit policy Template

Type: number

Range: 1-1023

Mutual Exclusion: permit-limit-policy and ipsec are mutually exclusive

Refernce Object: */axapi/v3/template/limit-policy*

permit-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-log and ipsec are mutually exclusive

permit-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-respond-to-user-mac and ipsec are mutually exclusive

reset-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ipsec*

rule-list_dest-list

Specification	
Type	*list*
Block object keys	

dst-ip-subnet

Description IPv4 IP Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: dst-ip-subnetdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any and dst-ipv6-subnet are mutually exclusive

dst-ipv6-subnet

Description IPv6 IP Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: dst-ipv6-subnetdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any and dst-ip-subnet are mutually exclusive

dst-obj-grp-network

Description Network object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-obj-grp-networkdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/object-group/network*

dst-obj-network

Description Network object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-obj-networkdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/object/network*

dst-slb-server

Description SLB Real server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-slb-serverdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/slb/server*

dst-slb-vserver

Description SLB Virtual server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-slb-vserverdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/slb/virtual-server*

rule-list_move-rule

Specification	
Type	*object*

location

Description 'top': top; 'before': before; 'after': after; 'bottom': bottom;

Type: string

Supported Values: top, before, after, bottom

Default: bottom

target-rule

Description

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-list_source-list

Specification	
Type	*list*
Block object keys	

src-ip-subnet

Description IPv4 IP Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: src-ip-subnetsrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any and src-ipv6-subnet are mutually exclusive

src-ipv6-subnet

Description IPv6 IP Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-ipv6-subnetsrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any and src-ip-subnet are mutually exclusive

src-obj-grp-network

Description Network object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-obj-grp-networksrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any and src-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/object-group/network*

src-obj-network

Description Network object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-obj-networksrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any and src-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/object/network*

src-slb-server

Description SLB Real server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: src-slb-serversrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any and src-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/slb/server*

rule-list_service-list

Specification	
Type	*list*
Block object keys	

alg

Description 'FTP': FTP; 'TFTP': TFTP; 'SIP': SIP; 'DNS': DNS; 'PPTP': PPTP; 'RTSP': RTSP;

Type: string

Supported Values: FTP, TFTP, SIP, DNS, PPTP, RTSP, ESP

eq-dst-port

Description Equal to the port number

Type: number

Range: 1-65535

eq-src-port

Description Equal to the port number

Type: number

Range: 1-65535

gt-dst-port

Description Greater than the port number

Type: number

Range: 1-65534

gt-src-port

Description Greater than the port number

Type: number

Range: 1-65534

icmp

Description ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmp service-any and icmpv6 are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type and special-type are mutually exclusive

icmpv6

Description ICMPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmpv6 service-any and icmp are mutually exclusive

icmpv6-code

Description ICMPv6 code number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-code and special-v6-code are mutually exclusive

icmpv6-type

Description ICMPv6 type number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-type and special-v6-type are mutually exclusive

lt-dst-port

Description Lower than the port number

Type: number

Range: 2-65535

lt-src-port

Description Lower than the port number

Type: number

Range: 2-65535

obj-grp-service

Description service object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: obj-grp-service and service-any are mutually exclusive

Refernce Object: */axapi/v3/object-group/service*

port-num-end-dst

Description Ending Port Number

Type: number

Range: 1-65535

port-num-end-src

Description Ending Port Number

Type: number

Range: 1-65535

proto-id

Description Protocol ID

Type: number

Range: 0-255

Mutual Exclusion: proto-id and service-any are mutually exclusive

protocols

Description 'tcp': tcp; 'udp': udp;

Type: string

Supported Values: tcp, udp, sctp

Mutual Exclusion: protocols and service-any are mutually exclusive

range-dst-port

Description Port range (Starting Port Number)

Type: number

Range: 1-65535

range-src-port

Description Port range (Starting Port Number)

Type: number

Range: 1-65535

sctp-template

Description SCTP Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/sctp*

special-code

Description 'any-code': Any ICMP code; 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: any-code, frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code and icmp-code are mutually exclusive

special-type

Description 'any-type': Any ICMP type; 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5,

redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: any-type, echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type and icmp-type are mutually exclusive

special-v6-code

Description 'any-code': Any ICMPv6 code; 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: any-code, addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-v6-code and icmpv6-code are mutually exclusive

special-v6-type

Description 'any-type': Any ICMPv6 type; 'dest-unreachable': Type 1, destination unreachable; 'echo-reply': Type 129, echo reply; 'echo-request': Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded;

Type: string

Supported Values: any-type, dest-unreachable, echo-reply, echo-request, packet-too-big, param-prob, time-exceeded

Mutual Exclusion: special-v6-type and icmpv6-type are mutually exclusive

rules-by-zone

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-by-zone_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dummy': A dummy entry for a10countergen;

Type: string

Supported Values: all, dummy

stats data

	Counter	Size	Description
	reset	8	Reset counter
	unmatched-drops	8	Unmatched drops counter
	deny	8	Denied counter
	permit	8	Permitted counter

operational data

	Counter	Size	Description
	total-active-icmp	number	total-active-icmp
	policy-deny	number	policy-deny
	total-reset-bytes	number	total-reset-bytes
	total-hit	number	total-hit
	policy-status	string	policy-status
	total-active-tcp	number	total-active-tcp
	total-deny-packets	number	total-deny-packets
	total-permit-bytes	number	total-permit-bytes
	total-packets	number	total-packets
	total-active-others	number	total-active-others
	total-permit-packets	number	total-permit-packets
	rule-stats		rule-stats
	total-active-udp	number	total-active-udp
	policy-rule-count	number	policy-rule-count
	policy-reset	number	policy-reset
	total-reset-packets	number	total-reset-packets
	total-deny-bytes	number	total-deny-bytes
	total-bytes	number	total-bytes
	topn-rules	string	topn-rules
	policy-unmatched-drop	number	policy-unmatched-drop
	show-total-stats	string	show-total-stats
	policy-permit	number	policy-permit

2.83.2 rule-set app

Application statistics in Rule Set

app Specification

Type	*Configuration Resource*
Element Name	app
Element URI	/axapi/v3/rule-set/{name}/app
Element Attributes	app_attributes
Statistics Data URI	/axapi/v3/rule-set/{name}/app/stats
Schema	`app schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/app

app attributes

Get Object

GET

/axapi/v3/rule-set/{name}/app

app attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/app

app attributes

app attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	appstat249	8	counter app stat 249
	appstat248	8	counter app stat 248
	appstat245	8	counter app stat 245
	appstat244	8	counter app stat 244
	appstat247	8	counter app stat 247
	appstat246	8	counter app stat 246
	appstat241	8	counter app stat 241
	appstat240	8	counter app stat 240
	appstat243	8	counter app stat 243
	appstat242	8	counter app stat 242
	appstat489	8	counter app stat 489
	appstat488	8	counter app stat 488
	appstat487	8	counter app stat 487
	appstat486	8	counter app stat 486
	appstat485	8	counter app stat 485
	appstat484	8	counter app stat 484
	appstat483	8	counter app stat 483
	appstat482	8	counter app stat 482
	appstat481	8	counter app stat 481
	appstat480	8	counter app stat 480
	appstat91	8	counter app stat 91
	appstat90	8	counter app stat 90
	appstat93	8	counter app stat 93
	appstat92	8	counter app stat 92
	appstat95	8	counter app stat 95
	appstat94	8	counter app stat 94
	appstat97	8	counter app stat 97
	appstat96	8	counter app stat 96
	appstat99	8	counter app stat 99
	appstat98	8	counter app stat 98
	appstat182	8	counter app stat 182
	appstat183	8	counter app stat 183
	appstat180	8	counter app stat 180
	appstat181	8	counter app stat 181
	appstat186	8	counter app stat 186
	appstat187	8	counter app stat 187
	appstat184	8	counter app stat 184
	appstat185	8	counter app stat 185
	appstat188	8	counter app stat 188
	appstat189	8	counter app stat 189
	appstat348	8	counter app stat 348
	appstat349	8	counter app stat 349
	appstat344	8	counter app stat 344
	appstat345	8	counter app stat 345
	appstat346	8	counter app stat 346
	appstat347	8	counter app stat 347

continues on next page

Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat340	8	counter app stat 340
	appstat341	8	counter app stat 341
	appstat342	8	counter app stat 342
	appstat343	8	counter app stat 343
	appstat119	8	counter app stat 119
	appstat118	8	counter app stat 118
	appstat111	8	counter app stat 111
	appstat110	8	counter app stat 110
	appstat113	8	counter app stat 113
	appstat112	8	counter app stat 112
	appstat115	8	counter app stat 115
	appstat114	8	counter app stat 114
	appstat117	8	counter app stat 117
	appstat116	8	counter app stat 116
	appstat449	8	counter app stat 449
	appstat448	8	counter app stat 448
	appstat443	8	counter app stat 443
	appstat442	8	counter app stat 442
	appstat441	8	counter app stat 441
	appstat440	8	counter app stat 440
	appstat447	8	counter app stat 447
	appstat446	8	counter app stat 446
	appstat445	8	counter app stat 445
	appstat444	8	counter app stat 444
	appstat351	8	counter app stat 351
	appstat234	8	counter app stat 234
	appstat235	8	counter app stat 235
	appstat236	8	counter app stat 236
	appstat237	8	counter app stat 237
	appstat230	8	counter app stat 230
	appstat231	8	counter app stat 231
	appstat232	8	counter app stat 232
	appstat233	8	counter app stat 233
	appstat238	8	counter app stat 238
	appstat239	8	counter app stat 239
	appstat46	8	counter app stat 46
	appstat47	8	counter app stat 47
	appstat44	8	counter app stat 44
	appstat45	8	counter app stat 45
	appstat42	8	counter app stat 42
	appstat43	8	counter app stat 43
	appstat40	8	counter app stat 40
	appstat41	8	counter app stat 41
	appstat359	8	counter app stat 359
	appstat48	8	counter app stat 48
	appstat49	8	counter app stat 49
	appstat358	8	counter app stat 358
	appstat308	8	counter app stat 308

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Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat309	8	counter app stat 309
	appstat300	8	counter app stat 300
	appstat301	8	counter app stat 301
	appstat302	8	counter app stat 302
	appstat303	8	counter app stat 303
	appstat304	8	counter app stat 304
	appstat305	8	counter app stat 305
	appstat306	8	counter app stat 306
	appstat307	8	counter app stat 307
	appstat155	8	counter app stat 155
	appstat154	8	counter app stat 154
	appstat157	8	counter app stat 157
	appstat156	8	counter app stat 156
	appstat151	8	counter app stat 151
	appstat150	8	counter app stat 150
	appstat153	8	counter app stat 153
	appstat152	8	counter app stat 152
	appstat159	8	counter app stat 159
	appstat158	8	counter app stat 158
	appstat9	8	counter app stat 9
	appstat8	8	counter app stat 8
	appstat405	8	counter app stat 405
	appstat404	8	counter app stat 404
	appstat403	8	counter app stat 403
	appstat402	8	counter app stat 402
	appstat401	8	counter app stat 401
	appstat400	8	counter app stat 400
	appstat1	8	counter app stat 1
	appstat3	8	counter app stat 3
	appstat2	8	counter app stat 2
	appstat5	8	counter app stat 5
	appstat4	8	counter app stat 4
	appstat7	8	counter app stat 7
	appstat6	8	counter app stat 6
	appstat270	8	counter app stat 270
	appstat271	8	counter app stat 271
	appstat272	8	counter app stat 272
	appstat273	8	counter app stat 273
	appstat274	8	counter app stat 274
	appstat275	8	counter app stat 275
	appstat276	8	counter app stat 276
	appstat277	8	counter app stat 277
	appstat278	8	counter app stat 278
	appstat279	8	counter app stat 279
	appstat472	8	counter app stat 472
	appstat473	8	counter app stat 473
	appstat470	8	counter app stat 470
	appstat471	8	counter app stat 471

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Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat476	8	counter app stat 476
	appstat477	8	counter app stat 477
	appstat474	8	counter app stat 474
	appstat475	8	counter app stat 475
	appstat478	8	counter app stat 478
	appstat479	8	counter app stat 479
	appstat82	8	counter app stat 82
	appstat83	8	counter app stat 83
	appstat80	8	counter app stat 80
	appstat81	8	counter app stat 81
	appstat86	8	counter app stat 86
	appstat87	8	counter app stat 87
	appstat84	8	counter app stat 84
	appstat85	8	counter app stat 85
	appstat88	8	counter app stat 88
	appstat89	8	counter app stat 89
	appstat391	8	counter app stat 391
	appstat390	8	counter app stat 390
	appstat39	8	counter app stat 39
	appstat38	8	counter app stat 38
	appstat37	8	counter app stat 37
	appstat36	8	counter app stat 36
	appstat35	8	counter app stat 35
	appstat34	8	counter app stat 34
	appstat33	8	counter app stat 33
	appstat32	8	counter app stat 32
	appstat31	8	counter app stat 31
	appstat30	8	counter app stat 30
	appstat191	8	counter app stat 191
	appstat190	8	counter app stat 190
	appstat193	8	counter app stat 193
	appstat192	8	counter app stat 192
	appstat195	8	counter app stat 195
	appstat194	8	counter app stat 194
	appstat197	8	counter app stat 197
	appstat196	8	counter app stat 196
	appstat199	8	counter app stat 199
	appstat198	8	counter app stat 198
	appstat398	8	counter app stat 398
	appstat353	8	counter app stat 353
	appstat352	8	counter app stat 352
	appstat298	8	counter app stat 298
	appstat299	8	counter app stat 299
	appstat357	8	counter app stat 357
	appstat356	8	counter app stat 356
	appstat355	8	counter app stat 355
	appstat354	8	counter app stat 354
	appstat292	8	counter app stat 292

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Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat293	8	counter app stat 293
	appstat290	8	counter app stat 290
	appstat291	8	counter app stat 291
	appstat296	8	counter app stat 296
	appstat297	8	counter app stat 297
	appstat294	8	counter app stat 294
	appstat295	8	counter app stat 295
	appstat128	8	counter app stat 128
	appstat129	8	counter app stat 129
	appstat124	8	counter app stat 124
	appstat125	8	counter app stat 125
	appstat126	8	counter app stat 126
	appstat127	8	counter app stat 127
	appstat120	8	counter app stat 120
	appstat121	8	counter app stat 121
	appstat122	8	counter app stat 122
	appstat123	8	counter app stat 123
	appstat438	8	counter app stat 438
	appstat439	8	counter app stat 439
	appstat436	8	counter app stat 436
	appstat437	8	counter app stat 437
	appstat434	8	counter app stat 434
	appstat435	8	counter app stat 435
	appstat432	8	counter app stat 432
	appstat433	8	counter app stat 433
	appstat430	8	counter app stat 430
	appstat431	8	counter app stat 431
	appstat500	8	counter app stat 500
	appstat501	8	counter app stat 501
	appstat380	8	counter app stat 380
	appstat381	8	counter app stat 381
	appstat229	8	counter app stat 229
	appstat228	8	counter app stat 228
	appstat384	8	counter app stat 384
	appstat385	8	counter app stat 385
	appstat386	8	counter app stat 386
	appstat387	8	counter app stat 387
	appstat223	8	counter app stat 223
	appstat222	8	counter app stat 222
	appstat221	8	counter app stat 221
	appstat220	8	counter app stat 220
	appstat227	8	counter app stat 227
	appstat226	8	counter app stat 226
	appstat225	8	counter app stat 225
	appstat224	8	counter app stat 224
	appstat79	8	counter app stat 79
	appstat78	8	counter app stat 78
	appstat73	8	counter app stat 73

continues on next page

Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat72	8	counter app stat 72
	appstat71	8	counter app stat 71
	appstat70	8	counter app stat 70
	appstat77	8	counter app stat 77
	appstat76	8	counter app stat 76
	appstat75	8	counter app stat 75
	appstat74	8	counter app stat 74
	appstat287	8	counter app stat 287
	appstat319	8	counter app stat 319
	appstat318	8	counter app stat 318
	appstat317	8	counter app stat 317
	appstat316	8	counter app stat 316
	appstat315	8	counter app stat 315
	appstat314	8	counter app stat 314
	appstat313	8	counter app stat 313
	appstat312	8	counter app stat 312
	appstat311	8	counter app stat 311
	appstat310	8	counter app stat 310
	appstat407	8	counter app stat 407
	appstat406	8	counter app stat 406
	appstat168	8	counter app stat 168
	appstat169	8	counter app stat 169
	appstat160	8	counter app stat 160
	appstat161	8	counter app stat 161
	appstat162	8	counter app stat 162
	appstat163	8	counter app stat 163
	appstat164	8	counter app stat 164
	appstat165	8	counter app stat 165
	appstat166	8	counter app stat 166
	appstat167	8	counter app stat 167
	appstat368	8	counter app stat 368
	appstat369	8	counter app stat 369
	appstat362	8	counter app stat 362
	appstat363	8	counter app stat 363
	appstat360	8	counter app stat 360
	appstat361	8	counter app stat 361
	appstat366	8	counter app stat 366
	appstat367	8	counter app stat 367
	appstat364	8	counter app stat 364
	appstat365	8	counter app stat 365
	appstat409	8	counter app stat 409
	appstat408	8	counter app stat 408
	appstat350	8	counter app stat 350
	appstat267	8	counter app stat 267
	appstat266	8	counter app stat 266
	appstat265	8	counter app stat 265
	appstat264	8	counter app stat 264
	appstat263	8	counter app stat 263

continues on next page

Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat262	8	counter app stat 262
	appstat261	8	counter app stat 261
	appstat260	8	counter app stat 260
	appstat506	8	counter app stat 506
	appstat507	8	counter app stat 507
	appstat504	8	counter app stat 504
	appstat505	8	counter app stat 505
	appstat502	8	counter app stat 502
	appstat503	8	counter app stat 503
	appstat269	8	counter app stat 269
	appstat268	8	counter app stat 268
	appstat461	8	counter app stat 461
	appstat460	8	counter app stat 460
	appstat463	8	counter app stat 463
	appstat462	8	counter app stat 462
	appstat465	8	counter app stat 465
	appstat464	8	counter app stat 464
	appstat467	8	counter app stat 467
	appstat466	8	counter app stat 466
	appstat469	8	counter app stat 469
	appstat468	8	counter app stat 468
	appstat212	8	counter app stat 212
	appstat213	8	counter app stat 213
	appstat210	8	counter app stat 210
	appstat211	8	counter app stat 211
	appstat216	8	counter app stat 216
	appstat217	8	counter app stat 217
	appstat214	8	counter app stat 214
	appstat215	8	counter app stat 215
	appstat399	8	counter app stat 399
	appstat218	8	counter app stat 218
	appstat219	8	counter app stat 219
	appstat20	8	counter app stat 20
	appstat21	8	counter app stat 21
	appstat22	8	counter app stat 22
	appstat23	8	counter app stat 23
	appstat24	8	counter app stat 24
	appstat25	8	counter app stat 25
	appstat26	8	counter app stat 26
	appstat27	8	counter app stat 27
	appstat28	8	counter app stat 28
	appstat29	8	counter app stat 29
	appstat382	8	counter app stat 382
	appstat383	8	counter app stat 383
	appstat326	8	counter app stat 326
	appstat327	8	counter app stat 327
	appstat324	8	counter app stat 324
	appstat325	8	counter app stat 325

continues on next page

Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat322	8	counter app stat 322
	appstat323	8	counter app stat 323
	appstat320	8	counter app stat 320
	appstat321	8	counter app stat 321
	appstat281	8	counter app stat 281
	appstat280	8	counter app stat 280
	appstat283	8	counter app stat 283
	appstat282	8	counter app stat 282
	appstat285	8	counter app stat 285
	appstat284	8	counter app stat 284
	appstat328	8	counter app stat 328
	appstat329	8	counter app stat 329
	appstat388	8	counter app stat 388
	appstat389	8	counter app stat 389
	appstat133	8	counter app stat 133
	appstat132	8	counter app stat 132
	appstat131	8	counter app stat 131
	appstat130	8	counter app stat 130
	appstat137	8	counter app stat 137
	appstat136	8	counter app stat 136
	appstat135	8	counter app stat 135
	appstat134	8	counter app stat 134
	appstat139	8	counter app stat 139
	appstat138	8	counter app stat 138
	appstat429	8	counter app stat 429
	appstat428	8	counter app stat 428
	appstat425	8	counter app stat 425
	appstat424	8	counter app stat 424
	appstat427	8	counter app stat 427
	appstat426	8	counter app stat 426
	appstat421	8	counter app stat 421
	appstat420	8	counter app stat 420
	appstat423	8	counter app stat 423
	appstat422	8	counter app stat 422
	appstat508	8	counter app stat 508
	appstat509	8	counter app stat 509
	appstat397	8	counter app stat 397
	appstat396	8	counter app stat 396
	appstat395	8	counter app stat 395
	appstat394	8	counter app stat 394
	appstat393	8	counter app stat 393
	appstat392	8	counter app stat 392
	appstat258	8	counter app stat 258
	appstat259	8	counter app stat 259
	appstat256	8	counter app stat 256
	appstat257	8	counter app stat 257
	appstat254	8	counter app stat 254
	appstat255	8	counter app stat 255

continues on next page

Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat252	8	counter app stat 252
	appstat253	8	counter app stat 253
	appstat250	8	counter app stat 250
	appstat251	8	counter app stat 251
	appstat498	8	counter app stat 498
	appstat499	8	counter app stat 499
	appstat490	8	counter app stat 490
	appstat491	8	counter app stat 491
	appstat492	8	counter app stat 492
	appstat493	8	counter app stat 493
	appstat494	8	counter app stat 494
	appstat495	8	counter app stat 495
	appstat496	8	counter app stat 496
	appstat497	8	counter app stat 497
	appstat68	8	counter app stat 68
	appstat69	8	counter app stat 69
	appstat64	8	counter app stat 64
	appstat65	8	counter app stat 65
	appstat66	8	counter app stat 66
	appstat67	8	counter app stat 67
	appstat60	8	counter app stat 60
	appstat61	8	counter app stat 61
	appstat62	8	counter app stat 62
	appstat63	8	counter app stat 63
	appstat19	8	counter app stat 19
	appstat18	8	counter app stat 18
	appstat11	8	counter app stat 11
	appstat10	8	counter app stat 10
	appstat13	8	counter app stat 13
	appstat12	8	counter app stat 12
	appstat15	8	counter app stat 15
	appstat14	8	counter app stat 14
	appstat17	8	counter app stat 17
	appstat16	8	counter app stat 16
	appstat179	8	counter app stat 179
	appstat178	8	counter app stat 178
	appstat177	8	counter app stat 177
	appstat176	8	counter app stat 176
	appstat175	8	counter app stat 175
	appstat174	8	counter app stat 174
	appstat173	8	counter app stat 173
	appstat172	8	counter app stat 172
	appstat171	8	counter app stat 171
	appstat170	8	counter app stat 170
	appstat379	8	counter app stat 379
	appstat378	8	counter app stat 378
	appstat371	8	counter app stat 371
	appstat370	8	counter app stat 370

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Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat373	8	counter app stat 373
	appstat372	8	counter app stat 372
	appstat375	8	counter app stat 375
	appstat374	8	counter app stat 374
	appstat377	8	counter app stat 377
	appstat376	8	counter app stat 376
	appstat108	8	counter app stat 108
	appstat109	8	counter app stat 109
	appstat102	8	counter app stat 102
	appstat103	8	counter app stat 103
	appstat100	8	counter app stat 100
	appstat101	8	counter app stat 101
	appstat106	8	counter app stat 106
	appstat107	8	counter app stat 107
	appstat104	8	counter app stat 104
	appstat105	8	counter app stat 105
	appstat289	8	counter app stat 289
	appstat288	8	counter app stat 288
	appstat511	8	counter app stat 511
	appstat510	8	counter app stat 510
	appstat454	8	counter app stat 454
	appstat455	8	counter app stat 455
	appstat456	8	counter app stat 456
	appstat457	8	counter app stat 457
	appstat450	8	counter app stat 450
	appstat451	8	counter app stat 451
	appstat452	8	counter app stat 452
	appstat453	8	counter app stat 453
	appstat458	8	counter app stat 458
	appstat459	8	counter app stat 459
	appstat201	8	counter app stat 201
	appstat200	8	counter app stat 200
	appstat203	8	counter app stat 203
	appstat202	8	counter app stat 202
	appstat205	8	counter app stat 205
	appstat204	8	counter app stat 204
	appstat207	8	counter app stat 207
	appstat206	8	counter app stat 206
	appstat209	8	counter app stat 209
	appstat208	8	counter app stat 208
	appstat286	8	counter app stat 286
	appstat55	8	counter app stat 55
	appstat54	8	counter app stat 54
	appstat57	8	counter app stat 57
	appstat56	8	counter app stat 56
	appstat51	8	counter app stat 51
	appstat50	8	counter app stat 50
	appstat53	8	counter app stat 53

continues on next page

Table 2.26 – continued from previous page

	Counter	Size	Description
	appstat52	8	counter app stat 52
	appstat59	8	counter app stat 59
	appstat58	8	counter app stat 58
	appstat335	8	counter app stat 335
	appstat334	8	counter app stat 334
	appstat337	8	counter app stat 337
	appstat336	8	counter app stat 336
	appstat331	8	counter app stat 331
	appstat330	8	counter app stat 330
	appstat333	8	counter app stat 333
	appstat332	8	counter app stat 332
	appstat339	8	counter app stat 339
	appstat338	8	counter app stat 338
	appstat146	8	counter app stat 146
	appstat147	8	counter app stat 147
	appstat144	8	counter app stat 144
	appstat145	8	counter app stat 145
	appstat142	8	counter app stat 142
	appstat143	8	counter app stat 143
	appstat140	8	counter app stat 140
	appstat141	8	counter app stat 141
	appstat148	8	counter app stat 148
	appstat149	8	counter app stat 149
	appstat410	8	counter app stat 410
	appstat411	8	counter app stat 411
	appstat412	8	counter app stat 412
	appstat413	8	counter app stat 413
	appstat414	8	counter app stat 414
	appstat415	8	counter app stat 415
	appstat416	8	counter app stat 416
	appstat417	8	counter app stat 417
	appstat418	8	counter app stat 418
	appstat419	8	counter app stat 419

2.83.3 rule-set application

application Specification

Type	*Configuration Resource*
Element Name	application
Element URI	/axapi/v3/rule-set/{name}/application
Element Attributes	application_attributes
Operational Data URI	/axapi/v3/rule-set/{name}/application/oper
Schema	`application schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/application

application attributes

Get Object

GET

/axapi/v3/rule-set/{name}/application

application attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/application

application attributes

Delete Object

DELETE

/axapi/v3/rule-set/{name}/application

application attributes

application attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	app-stat	string	app-stat
	category-stat	string	category-stat
	rule-list		rule-list
	rule	string	rule

2.83.4 rule-set rule

Configure rule-set rule

rule Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*rule-list*
Collection URI	/axapi/v3/rule-set/{name}/rule
Element Name	rule
Element URI	/axapi/v3/rule-set/{name}/rule/{name}
Element Attributes	rule_attributes
Statistics Data URI	/axapi/v3/rule-set/{name}/rule/{name}/stats
Operational Data URI	/axapi/v3/rule-set/{name}/rule/{name}/oper
Schema	`rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rule

rule attributes

Create List

POST

/axapi/v3/rule-set/{name}/rule

rule attributes

Get Object

GET

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Get List

GET

/axapi/v3/rule-set/{name}/rule

rule-list

Modify Object

POST

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Replace List

PUT

/axapi/v3/rule-set/{name}/rule

rule-list

Delete Object

DELETE

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

rule-list

rule-list is **JSON List** of *rule attributes*

rule-list : [

{ *rule attributes* },

{ *rule attributes* },

...

]

rule attributes

action

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

action-group

Description: action-group is a **JSON Block**. Please see below for *action-group*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/rule/{name}/action-group*

app-list

Type: List

application-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: application-anyobj-grp-application, protocol and protocol-tag are mutually exclusive

cgnv6-fixed-nat-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6-log and cgnv6-policy are mutually exclusive

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-lsn-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT;

Type: string

Supported Values: lsn-lid, fixed-nat

Mutual Exclusion: cgnv6-policy and cgnv6-log are mutually exclusive

dest-list

Type: List

dscp-list

Type: List

dst-class-list

Description Match destination IP against class-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-class-listdst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server and dst-slb-vserver are mutually exclusive

Refernce Object: */axapi/v3/class-list*

dst-domain-list

Description Match destination IP against domain-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-domain-list dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/domain-list*

dst-geoloc-list

Description Geolocation name list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-geoloc-listdst-geoloc-name, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server and dst-slb-vserver are mutually exclusive

dst-geoloc-list-shared

Description Use Geolocation list from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-geoloc-name

Description Single geolocation name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-geoloc-namedst-geoloc-list, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server and dst-slb-vserver are mutually exclusive

dst-ipv4-any

Description 'any': Any IPv4 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-ipv4-anydst-ipv6-any, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, dst-slb-vserver and dst-domain-list are mutually exclusive

dst-ipv6-any

Description 'any': Any IPv6 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-ipv6-anydst-ipv4-any, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, dst-slb-vserver and dst-domain-list are mutually exclusive

dst-threat-list

Description Bind threat-list for destination IP based filtering

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/threat-intel/threat-list*

dst-zone

Description Zone name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-zone and dst-zone-any are mutually exclusive

Refernce Object: */axapi/v3/zone*

dst-zone-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-zone-any and dst-zone are mutually exclusive

forward-listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fwlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-template

Description Configure GTP Policy Template (GTP Template Policy Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp-policy*

idle-timeout

Description TCP/UDP idle-timeout

Type: number

Range: 1-2097151

ip-version

Description 'v4': IPv4 rule; 'v6': IPv6 rule;

Type: string

Supported Values: v4, v6

Default: v4

lid

Description Apply a Template LID

Type: number

Range: 1-1023

lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port and log are mutually exclusive

listen-on-port-lid

Description Apply a Template LID

Type: number

Range: 1-1023

listen-on-port-lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: log listen-on-port and policy are mutually exclusive

move-rule

Description: move-rule is a **JSON Block**. Please see below for *move-rule*

Type: Object

Refernce Object: */axapi/v3/rule-set/{name}/rule/{name}/move-rule*

name

Description Rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl*

policy

Description 'cgnv6': Apply CGNv6 policy; 'forward': Forward packet; 'ipsec': Apply IPsec encapsulation;

Type: string

Supported Values: cgnv6, forward, ipsec

Mutual Exclusion: policy and log are mutually exclusive

remark

Description Rule entry comment (Notes for this rule)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

reset-lid

Description Apply a Template LID

Type: number

Range: 1-1023

reset-lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: service-anyprotocols, proto-id, obj-grp-service, icmp and icmpv6 are mutually exclusive

service-list

Type: List

source-list

Type: List

src-class-list

Description Match source IP against class-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-class-listsrc-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

Refernce Object: */axapi/v3/class-list*

src-geoloc-list

Description Geolocation name list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-geoloc-listsrc-geoloc-name, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

src-geoloc-list-shared

Description Use Geolocation list from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-geoloc-name

Description Single geolocation name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: src-geoloc-namesrc-geoloc-list, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

src-ipv4-any

Description 'any': Any IPv4 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-ipv4-anysrc-ipv6-any, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

src-ipv6-any

Description 'any': Any IPv6 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-ipv6-anysrc-ipv4-any, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network and src-slb-server are mutually exclusive

src-threat-list

Description Bind threat-list for source IP based filtering

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/threat-intel/threat-list*

src-zone

Description Zone name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: src-zone and src-zone-any are mutually exclusive

Refernce Object: */axapi/v3/zone*

src-zone-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-zone-any and src-zone are mutually exclusive

status

Description 'enable': Enable rule; 'disable': Disable rule;

Type: string

Supported Values: enable, disable

Default: enable

track-application

Description Enable application statistic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ipsec*

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-count': Hit counts;

Type: string

Supported Values: all, hit-count, permit-bytes, deny-bytes, reset-bytes, permit-packets, deny-packets, reset-packets, active-session-tcp, active-session-udp, active-session-icmp, active-session-other, session-tcp, session-udp, session-icmp, session-other, active-session-sctp, session-sctp, hitcount-timestamp, rate-limit-drops

dscp-list

Specification	
Type	*list*
Block object keys	

dscp-range-end

Description Ending DSCP Number

Type: number

Range: 1-63

dscp-range-start

Description Start DSCP Number

Type: number

Range: 1-63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110);

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef

Mutual Exclusion: dscp-value and dscp-range are mutually exclusive

app-list

Specification	
Type	*list*
Block object keys	

obj-grp-application

Description Application object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: obj-grp-application and application-any are mutually exclusive

Refernce Object: */axapi/v3/object-group/application*

protocol

Description Specify application(s)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: protocol and application-any are mutually exclusive

protocol-tag

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'aetls': Application known to enforce HSTS and

thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games;

'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, aetls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

Mutual Exclusion: protocol-tag and application-any are mutually exclusive

action-group

Specification	
Type	*object*

cgnv6

Description Apply CGNv6 policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6listen-on-port, forward and ipsec are mutually exclusive

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT;

Type: string

Supported Values: lsn-lid, fixed-nat

deny-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward ipsec and cgnv6 are mutually exclusive

ipsec

Description Apply IPsec encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsecpermit-log, listen-on-port, forward, cgnv6, permit-limit-policy and permit-respond-to-user-mac are mutually exclusive

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port ipsec and cgnv6 are mutually exclusive

permit-limit-policy

Description Limit policy Template

Type: number

Range: 1-1023

Mutual Exclusion: permit-limit-policy and ipsec are mutually exclusive

Refernce Object: */axapi/v3/template/limit-policy*

permit-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-log and ipsec are mutually exclusive

permit-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-respond-to-user-mac and ipsec are mutually exclusive

reset-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ipsec*

dest-list

Specification	
Type	*list*
Block object keys	

dst-ip-subnet

Description IPv4 IP Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: dst-ip-subnetdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any and dst-ipv6-subnet are mutually exclusive

dst-ipv6-subnet

Description IPv6 IP Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: dst-ipv6-subnetdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any and dst-ip-subnet are mutually exclusive

dst-obj-grp-network

Description Network object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-obj-grp-networkdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/object-group/network*

dst-obj-network

Description Network object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-obj-networkdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/object/network*

dst-slb-server

Description SLB Real server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-slb-serverdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/slb/server*

dst-slb-vserver

Description SLB Virtual server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-slb-vserverdst-class-list, dst-geoloc-name, dst-geoloc-list, dst-ipv4-any and dst-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/slb/virtual-server*

move-rule

Specification	
Type	*object*

location

Description 'top': top; 'before': before; 'after': after; 'bottom': bottom;

Type: string

Supported Values: top, before, after, bottom

Default: bottom

target-rule

Description

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

source-list

Specification	
Type	*list*
Block object keys	

src-ip-subnet

Description IPv4 IP Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: src-ip-subnetsrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any and src-ipv6-subnet are mutually exclusive

src-ipv6-subnet

Description IPv6 IP Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-ipv6-subnetsrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any and src-ip-subnet are mutually exclusive

src-obj-grp-network

Description Network object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-obj-grp-networksrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any and src-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/object-group/network*

src-obj-network

Description Network object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-obj-networksrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any and src-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/object/network*

src-slb-server

Description SLB Real server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: src-slb-serversrc-class-list, src-geoloc-name, src-geoloc-list, src-ipv4-any and src-ipv6-any are mutually exclusive

Refernce Object: */axapi/v3/slb/server*

service-list

Specification	
Type	*list*
Block object keys	

alg

Description 'FTP': FTP; 'TFTP': TFTP; 'SIP': SIP; 'DNS': DNS; 'PPTP': PPTP; 'RTSP': RTSP; 'ESP': ESP;

Type: string

Supported Values: FTP, TFTP, SIP, DNS, PPTP, RTSP, ESP

eq-dst-port

Description Equal to the port number

Type: number

Range: 1-65535

eq-src-port

Description Equal to the port number

Type: number

Range: 1-65535

gt-dst-port

Description Greater than the port number

Type: number

Range: 1-65534

gt-src-port

Description Greater than the port number

Type: number

Range: 1-65534

icmp

Description ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmp service-any and icmpv6 are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type and special-type are mutually exclusive

icmpv6

Description ICMPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmpv6 service-any and icmp are mutually exclusive

icmpv6-code

Description ICMPv6 code number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-code and special-v6-code are mutually exclusive

icmpv6-type

Description ICMPv6 type number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-type and special-v6-type are mutually exclusive

lt-dst-port

Description Lower than the port number

Type: number

Range: 2-65535

lt-src-port

Description Lower than the port number

Type: number

Range: 2-65535

obj-grp-service

Description service object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: obj-grp-service and service-any are mutually exclusive

Refernce Object: */axapi/v3/object-group/service*

port-num-end-dst

Description Ending Port Number

Type: number

Range: 1-65535

port-num-end-src

Description Ending Port Number

Type: number

Range: 1-65535

proto-id

Description Protocol ID

Type: number

Range: 0-255

Mutual Exclusion: proto-id and service-any are mutually exclusive

protocols

Description 'tcp': tcp; 'udp': udp; 'sctp': sctp;

Type: string

Supported Values: tcp, udp, sctp

Mutual Exclusion: protocols and service-any are mutually exclusive

range-dst-port

Description Port range (Starting Port Number)

Type: number

Range: 1-65535

range-src-port

Description Port range (Starting Port Number)

Type: number

Range: 1-65535

sctp-template

Description SCTP Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/sctp*

special-code

Description 'any-code': Any ICMP code; 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: any-code, frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code and icmp-code are mutually exclusive

special-type

Description 'any-type': Any ICMP type; 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5,

redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: any-type, echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type and icmp-type are mutually exclusive

special-v6-code

Description 'any-code': Any ICMPv6 code; 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: any-code, addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-v6-code and icmpv6-code are mutually exclusive

special-v6-type

Description 'any-type': Any ICMPv6 type; 'dest-unreachable': Type 1, destination unreachable; 'echo-reply': Type 129, echo reply; 'echo-request': Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded;

Type: string

Supported Values: any-type, dest-unreachable, echo-reply, echo-request, packet-too-big, param-prob, time-exceeded

Mutual Exclusion: special-v6-type and icmpv6-type are mutually exclusive

stats data

	Counter	Size	Description
	active-session-other	8	Active other protocol session counter
	session-icmp	8	ICMP session counter
	hit-count	8	Hit counts
	active-session-tcp	8	Active TCP session counter
	deny-packets	8	Denied packets counter
	session-other	8	Other protocol session counter
	session-sctp	8	SCTP session counter
	active-session-icmp	8	Active ICMP session counter
	permit-bytes	8	Permitted bytes counter
	reset-packets	8	Reset packets counter
	hitcount-timestamp	8	Last hit counts timestamp
	reset-bytes	8	Reset bytes counter
	session-udp	8	UDP session counter
	rate-limit-drops	8	Rate Limit Drops
	session-tcp	8	TCP session counter
	active-session-sctp	8	Active SCTP session counter
	active-session-udp	8	Active UDP session counter
	deny-bytes	8	Denied bytes counter
	permit-packets	8	Permitted packets counter

operational data

	Counter	Size	Description
	denybytes	number	denybytes
	activeses-siontcp	number	activesessiontcp
	permitbytes	number	permitbytes
	sessiontcp	number	sessiontcp
	resetpackets	number	resetpackets
	sessionsctp	number	sessionsctp
	ratelimit-drops	number	ratelimitdrops
	sessionother	number	sessionother
	totalbytes	number	totalbytes
	activeses-sionicmp	number	activesessionicmp
	denypackets	number	denypackets
	resetbytes	number	resetbytes
	status	string	status
	activeses-sionother	number	activesessionother
	sessionudp	number	sessionudp
	sessionicmp	number	sessionicmp
	sessiontotal	number	sessiontotal
	totalpackets	number	totalpackets
	activeses-sionudp	number	activesessionudp
	permitpack-ets	number	permitpackets
	last-hitcount-time	string	last-hitcount-time
	activeses-siontotal	number	activesessiontotal
	hitcount	number	hitcount
	action	string	action
	activeses-sionsctp	number	activesessionsctp

2.83.5 rule-set rule action-group

Configure action-group

action-group Specification

Type	*Configuration Resource*
Element Name	action-group
Element URI	/axapi/v3/rule-set/{name}/rule/{name}/action-group
Element Attributes	action-group_attributes
Schema	`action-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

Get Object

GET

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

Delete Object

DELETE

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

action-group attributes

cgnv6

Description Apply CGNv6 policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6listen-on-port, forward and ipsec are mutually exclusive

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT;

Type: string

Supported Values: lsn-lid, fixed-nat

deny-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward ipsec and cgnv6 are mutually exclusive

ipsec

Description Apply IPsec encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsecpermit-log, listen-on-port, forward, cgnv6, permit-limit-policy and permit-respond-to-user-mac are mutually exclusive

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port ipsec and cgnv6 are mutually exclusive

permit-limit-policy

Description Limit policy Template

Type: number

Range: 1-1023

Mutual Exclusion: permit-limit-policy and ipsec are mutually exclusive

Refernce Object: */axapi/v3/template/limit-policy*

permit-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-log and ipsec are mutually exclusive

permit-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-respond-to-user-mac and ipsec are mutually exclusive

reset-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ipsec*

2.83.6 rule-set rules-by-zone

rules-by-zone Specification

Type	*Configuration Resource*
Element Name	rules-by-zone
Element URI	/axapi/v3/rule-set/{name}/rules-by-zone
Element Attributes	rules-by-zone_attributes
Statistics Data URI	/axapi/v3/rule-set/{name}/rules-by-zone/stats
Operational Data URI	/axapi/v3/rule-set/{name}/rules-by-zone/oper
Schema	`rules-by-zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rules-by-zone

rules-by-zone attributes

```
POST /axapi/v3/rule-set/a/rules-by-zone
Payload:
{
    "rules-by-zone": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
```

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```
        ]
    }
}
```

Get Object

GET

/axapi/v3/rule-set/{name}/rules-by-zone

rules-by-zone attributes

```
GET /axapi/v3/rule-set/a/rules-by-zone
Reponse:
{
    "rules-by-zone": {
        "uuid": "eb46c69e-6041-11d9-add7-001fa00680a0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/rule-set/a/rules-by-zone"
    }
}
```

Modify Object

POST

/axapi/v3/rule-set/{name}/rules-by-zone

rules-by-zone attributes

rules-by-zone attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dummy': A dummy entry for a10countergen;

Type: string

Supported Values: all, dummy

stats data

	Counter	Size	Description
	dummy	8	Entry for a10countergen

operational data

	Counter	Size	Description
	group-list		group-list

2.83.7 rule-set tag

Application Tag statistics in Rule Set

tag Specification

Type	*Configuration Resource*
Element Name	tag
Element URI	/axapi/v3/rule-set/{name}/tag
Element Attributes	tag_attributes
Statistics Data URI	/axapi/v3/rule-set/{name}/tag/stats
Schema	`tag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/tag

tag attributes

Get Object

GET

/axapi/v3/rule-set/{name}/tag

tag attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/tag

tag attributes

tag attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	categorys-tat188	8	counter app category stat 188
	categorys-tat219	8	counter app category stat 219
	categorys-tat189	8	counter app category stat 189
	categorys-tat26	8	counter app category stat 26
	categorys-tat27	8	counter app category stat 27
	categorys-tat24	8	counter app category stat 24
	categorys-tat25	8	counter app category stat 25
	categorys-tat22	8	counter app category stat 22
	categorys-tat23	8	counter app category stat 23
	categorys-tat20	8	counter app category stat 20
	categorys-tat21	8	counter app category stat 21
	categorys-tat208	8	counter app category stat 208

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat28	8	counter app category stat 28
	categorys-tat29	8	counter app category stat 29
	categorys-tat214	8	counter app category stat 214
	categorys-tat168	8	counter app category stat 168
	categorys-tat169	8	counter app category stat 169
	categorys-tat215	8	counter app category stat 215
	categorys-tat162	8	counter app category stat 162
	categorys-tat163	8	counter app category stat 163
	categorys-tat160	8	counter app category stat 160
	categorys-tat161	8	counter app category stat 161
	categorys-tat166	8	counter app category stat 166
	categorys-tat167	8	counter app category stat 167
	categorys-tat164	8	counter app category stat 164
	categorys-tat165	8	counter app category stat 165
	categorys-tat217	8	counter app category stat 217
	categorys-tat108	8	counter app category stat 108
	categorys-tat237	8	counter app category stat 237
	categorys-tat216	8	counter app category stat 216
	categorys-tat109	8	counter app category stat 109
	categorys-tat212	8	counter app category stat 212
	categorys-tat35	8	counter app category stat 35
	categorys-tat34	8	counter app category stat 34
	categorys-tat37	8	counter app category stat 37
	categorys-tat36	8	counter app category stat 36

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat31	8	counter app category stat 31
	categorys-tat30	8	counter app category stat 30
	categorys-tat33	8	counter app category stat 33
	categorys-tat32	8	counter app category stat 32
	categorys-tat39	8	counter app category stat 39
	categorys-tat38	8	counter app category stat 38
	categorys-tat197	8	counter app category stat 197
	categorys-tat196	8	counter app category stat 196
	categorys-tat195	8	counter app category stat 195
	categorys-tat194	8	counter app category stat 194
	categorys-tat193	8	counter app category stat 193
	categorys-tat192	8	counter app category stat 192
	categorys-tat191	8	counter app category stat 191
	categorys-tat190	8	counter app category stat 190
	categorys-tat218	8	counter app category stat 218
	categorys-tat199	8	counter app category stat 199
	categorys-tat198	8	counter app category stat 198
	categorys-tat207	8	counter app category stat 207
	categorys-tat206	8	counter app category stat 206
	categorys-tat205	8	counter app category stat 205
	categorys-tat204	8	counter app category stat 204
	categorys-tat203	8	counter app category stat 203
	categorys-tat102	8	counter app category stat 102
	categorys-tat119	8	counter app category stat 119

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat118	8	counter app category stat 118
	categorys-tat117	8	counter app category stat 117
	categorys-tat116	8	counter app category stat 116
	categorys-tat115	8	counter app category stat 115
	categorys-tat103	8	counter app category stat 103
	categorys-tat113	8	counter app category stat 113
	categorys-tat112	8	counter app category stat 112
	categorys-tat111	8	counter app category stat 111
	categorys-tat110	8	counter app category stat 110
	categorys-tat211	8	counter app category stat 211
	categorys-tat228	8	counter app category stat 228
	categorys-tat241	8	counter app category stat 241
	categorys-tat114	8	counter app category stat 114
	categorys-tat88	8	counter app category stat 88
	categorys-tat89	8	counter app category stat 89
	categorys-tat186	8	counter app category stat 186
	categorys-tat187	8	counter app category stat 187
	categorys-tat180	8	counter app category stat 180
	categorys-tat181	8	counter app category stat 181
	categorys-tat182	8	counter app category stat 182
	categorys-tat183	8	counter app category stat 183
	categorys-tat80	8	counter app category stat 80
	categorys-tat81	8	counter app category stat 81
	categorys-tat82	8	counter app category stat 82

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat83	8	counter app category stat 83
	categorys-tat84	8	counter app category stat 84
	categorys-tat85	8	counter app category stat 85
	categorys-tat86	8	counter app category stat 86
	categorys-tat87	8	counter app category stat 87
	categorystat7	8	counter app category stat 7
	categorystat6	8	counter app category stat 6
	categorystat5	8	counter app category stat 5
	categorystat4	8	counter app category stat 4
	categorystat3	8	counter app category stat 3
	categorystat2	8	counter app category stat 2
	categorystat1	8	counter app category stat 1
	categorys-tat213	8	counter app category stat 213
	categorys-tat104	8	counter app category stat 104
	categorys-tat105	8	counter app category stat 105
	categorys-tat106	8	counter app category stat 106
	categorys-tat107	8	counter app category stat 107
	categorys-tat100	8	counter app category stat 100
	categorys-tat101	8	counter app category stat 101
	categorystat9	8	counter app category stat 9
	categorystat8	8	counter app category stat 8
	categorys-tat201	8	counter app category stat 201
	categorys-tat19	8	counter app category stat 19
	categorys-tat18	8	counter app category stat 18
	categorys-tat17	8	counter app category stat 17
	categorys-tat16	8	counter app category stat 16
	categorys-tat15	8	counter app category stat 15
	categorys-tat14	8	counter app category stat 14
	categorys-tat13	8	counter app category stat 13

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat12	8	counter app category stat 12
	categorys-tat11	8	counter app category stat 11
	categorys-tat10	8	counter app category stat 10
	categorys-tat97	8	counter app category stat 97
	categorys-tat96	8	counter app category stat 96
	categorys-tat95	8	counter app category stat 95
	categorys-tat94	8	counter app category stat 94
	categorys-tat93	8	counter app category stat 93
	categorys-tat92	8	counter app category stat 92
	categorys-tat91	8	counter app category stat 91
	categorys-tat90	8	counter app category stat 90
	categorys-tat99	8	counter app category stat 99
	categorys-tat98	8	counter app category stat 98
	categorys-tat139	8	counter app category stat 139
	categorys-tat138	8	counter app category stat 138
	categorys-tat223	8	counter app category stat 223
	categorys-tat222	8	counter app category stat 222
	categorys-tat225	8	counter app category stat 225
	categorys-tat209	8	counter app category stat 209
	categorys-tat227	8	counter app category stat 227
	categorys-tat226	8	counter app category stat 226
	categorys-tat131	8	counter app category stat 131
	categorys-tat130	8	counter app category stat 130
	categorys-tat133	8	counter app category stat 133

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat132	8	counter app category stat 132
	categorys-tat135	8	counter app category stat 135
	categorys-tat134	8	counter app category stat 134
	categorys-tat137	8	counter app category stat 137
	categorys-tat136	8	counter app category stat 136
	categorys-tat68	8	counter app category stat 68
	categorys-tat69	8	counter app category stat 69
	categorys-tat62	8	counter app category stat 62
	categorys-tat63	8	counter app category stat 63
	categorys-tat60	8	counter app category stat 60
	categorys-tat61	8	counter app category stat 61
	categorys-tat66	8	counter app category stat 66
	categorys-tat67	8	counter app category stat 67
	categorys-tat64	8	counter app category stat 64
	categorys-tat65	8	counter app category stat 65
	categorys-tat238	8	counter app category stat 238
	categorys-tat239	8	counter app category stat 239
	categorys-tat236	8	counter app category stat 236
	categorys-tat185	8	counter app category stat 185
	categorys-tat234	8	counter app category stat 234
	categorys-tat200	8	counter app category stat 200
	categorys-tat232	8	counter app category stat 232
	categorys-tat233	8	counter app category stat 233
	categorys-tat230	8	counter app category stat 230

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat231	8	counter app category stat 231
	categorys-tat126	8	counter app category stat 126
	categorys-tat127	8	counter app category stat 127
	categorys-tat124	8	counter app category stat 124
	categorys-tat125	8	counter app category stat 125
	categorys-tat122	8	counter app category stat 122
	categorys-tat123	8	counter app category stat 123
	categorys-tat120	8	counter app category stat 120
	categorys-tat121	8	counter app category stat 121
	categorys-tat128	8	counter app category stat 128
	categorys-tat129	8	counter app category stat 129
	categorys-tat79	8	counter app category stat 79
	categorys-tat78	8	counter app category stat 78
	categorys-tat71	8	counter app category stat 71
	categorys-tat70	8	counter app category stat 70
	categorys-tat73	8	counter app category stat 73
	categorys-tat72	8	counter app category stat 72
	categorys-tat75	8	counter app category stat 75
	categorys-tat74	8	counter app category stat 74
	categorys-tat77	8	counter app category stat 77
	categorys-tat76	8	counter app category stat 76
	categorys-tat249	8	counter app category stat 249
	categorys-tat248	8	counter app category stat 248
	categorys-tat202	8	counter app category stat 202

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat243	8	counter app category stat 243
	categorys-tat242	8	counter app category stat 242
	categorys-tat210	8	counter app category stat 210
	categorys-tat240	8	counter app category stat 240
	categorys-tat247	8	counter app category stat 247
	categorys-tat246	8	counter app category stat 246
	categorys-tat245	8	counter app category stat 245
	categorys-tat244	8	counter app category stat 244
	categorys-tat153	8	counter app category stat 153
	categorys-tat152	8	counter app category stat 152
	categorys-tat151	8	counter app category stat 151
	categorys-tat150	8	counter app category stat 150
	categorys-tat157	8	counter app category stat 157
	categorys-tat156	8	counter app category stat 156
	categorys-tat155	8	counter app category stat 155
	categorys-tat154	8	counter app category stat 154
	categorys-tat235	8	counter app category stat 235
	categorys-tat159	8	counter app category stat 159
	categorys-tat158	8	counter app category stat 158
	categorys-tat44	8	counter app category stat 44
	categorys-tat45	8	counter app category stat 45
	categorys-tat46	8	counter app category stat 46
	categorys-tat47	8	counter app category stat 47
	categorys-tat40	8	counter app category stat 40

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat41	8	counter app category stat 41
	categorys-tat42	8	counter app category stat 42
	categorys-tat43	8	counter app category stat 43
	categorys-tat48	8	counter app category stat 48
	categorys-tat49	8	counter app category stat 49
	categorys-tat221	8	counter app category stat 221
	categorys-tat220	8	counter app category stat 220
	categorys-tat250	8	counter app category stat 250
	categorys-tat251	8	counter app category stat 251
	categorys-tat252	8	counter app category stat 252
	categorys-tat253	8	counter app category stat 253
	categorys-tat254	8	counter app category stat 254
	categorys-tat255	8	counter app category stat 255
	categorys-tat256	8	counter app category stat 255
	categorys-tat140	8	counter app category stat 140
	categorys-tat141	8	counter app category stat 141
	categorys-tat142	8	counter app category stat 142
	categorys-tat143	8	counter app category stat 143
	categorys-tat144	8	counter app category stat 144
	categorys-tat145	8	counter app category stat 145
	categorys-tat146	8	counter app category stat 146
	categorys-tat147	8	counter app category stat 147
	categorys-tat148	8	counter app category stat 148
	categorys-tat149	8	counter app category stat 149

continues on next page

Table 2.27 – continued from previous page

	Counter	Size	Description
	categorys-tat224	8	counter app category stat 224
	categorys-tat53	8	counter app category stat 53
	categorys-tat52	8	counter app category stat 52
	categorys-tat51	8	counter app category stat 51
	categorys-tat50	8	counter app category stat 50
	categorys-tat57	8	counter app category stat 57
	categorys-tat56	8	counter app category stat 56
	categorys-tat55	8	counter app category stat 55
	categorys-tat54	8	counter app category stat 54
	categorys-tat59	8	counter app category stat 59
	categorys-tat58	8	counter app category stat 58
	categorys-tat229	8	counter app category stat 229
	categorys-tat184	8	counter app category stat 184
	categorys-tat179	8	counter app category stat 179
	categorys-tat178	8	counter app category stat 178
	categorys-tat175	8	counter app category stat 175
	categorys-tat174	8	counter app category stat 174
	categorys-tat177	8	counter app category stat 177
	categorys-tat176	8	counter app category stat 176
	categorys-tat171	8	counter app category stat 171
	categorys-tat170	8	counter app category stat 170
	categorys-tat173	8	counter app category stat 173
	categorys-tat172	8	counter app category stat 172

2.83.8 rule-set track-app-rule-list

track-app-rule-list Specification

Type	*Configuration Resource*
Element Name	track-app-rule-list
Element URI	/axapi/v3/rule-set/{name}/track-app-rule-list
Element Attributes	track-app-rule-list_attributes
Statistics Data URI	/axapi/v3/rule-set/{name}/track-app-rule-list/stats
Operational Data URI	/axapi/v3/rule-set/{name}/track-app-rule-list/oper
Schema	`track-app-rule-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/track-app-rule-list

track-app-rule-list attributes

Get Object

GET

/axapi/v3/rule-set/{name}/track-app-rule-list

track-app-rule-list attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/track-app-rule-list

track-app-rule-list attributes

track-app-rule-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	dummy	8	Entry for a10countergen

operational data

	Counter	Size	Description
	rule-list		rule-list

2.84 running-config

Objects:

2.84.1 running-config

Configure the behaviour of show running config

running-config Specification

Type	*Configuration Resource*
Element Name	running-config
Element URI	/axapi/v3/running-config
Element Attributes	running-config_attributes
Schema	`running-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/running-config

running-config attributes

```
POST /axapi/v3/running-config
Payload:
{
    "running-config": {
        "aflex": 1
    }
}
```

Get Object

GET

/axapi/v3/running-config

running-config attributes

```
GET /axapi/v3/running-config
Reponse:
{
    "running-config": {
        "aflex": 1,
        "uuid": "889dabae-5bf3-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/running-config"
    }
}
```

Modify Object

POST

/axapi/v3/running-config

running-config attributes

Replace Object

PUT

/axapi/v3/running-config

running-config attributes

```
PUT /axapi/v3/running-config
Payload:
{
    "running-config": {
        "aflex": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/running-config

running-config attributes

```
DELETE /axapi/v3/running-config
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

running-config attributes

aflex

Description Show aFleX scripts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

class-list

Description Show class-list files

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85 scaleout

Objects:

2.85.1 scaleout

Configure Scaleout

scaleout Specification

Type	*Intermediate Resource*
Element Name	scaleout
Element URI	/axapi/v3/scaleout
Element Attributes	scaleout_attributes
Schema	`scaleout schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout

scaleout_attributes

scaleout attributes

apps

Description: apps is a **JSON Block**. Please see below for *apps*

Type: Object

Refernce Object: */axapi/v3/scaleout/apps*

cluster-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}*

distributed-forwarding

Description: distributed-forwarding is a **JSON Block**. Please see below for *distributed-forwarding*

Type: Object

Refernce Object: */axapi/v3/scaleout/distributed-forwarding*

status

Description: status is a **JSON Block**. Please see below for *status*

Type: Object

Refernce Object: */axapi/v3/scaleout/status*

traffic-map

Description: traffic-map is a **JSON Block**. Please see below for *traffic-map*

Type: Object

Refernce Object: */axapi/v3/scaleout/traffic-map*

status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distributed-forwarding

Specification	
Type	*object*

cgn

Description Enable CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw

Description Enable FW

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apps

Specification	
Type	*object*

enable

Description Enable Scaleout for apps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-mac-overwrite

Description: skip-mac-overwrite is a **JSON Block**. Please see below for *apps_skip-mac-overwrite*

Type: Object

Refernce Object: */axapi/v3/scaleout/apps/skip-mac-overwrite*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apps_skip-mac-overwrite

Specification	
Type	*object*

enable

Description Skips overwriting dest MAC of flooded packets on Active node

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-map

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list

Specification	
Type	*list*
Block object keys	

cluster-devices

Description: cluster-devices is a **JSON Block**. Please see below for *cluster-list_cluster-devices*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices*

cluster-id

Description Scaleout cluster-id

Type: number

Range: 1-64

db-config

Description: db-config is a **JSON Block**. Please see below for *cluster-list_db-config*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/db-config*

device-groups

Description: device-groups is a **JSON Block**. Please see below for *cluster-list_device-groups*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups*

follow-vcs

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-device

Description: local-device is a **JSON Block**. Please see below for *cluster-list_local-device*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device*

service-config

Description: service-config is a **JSON Block**. Please see below for *cluster-list_service-config*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config*

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *cluster-list_tracking-template*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device

Specification	
Type	*object*

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

cluster-mode

Description 'layer-2': Nodes in cluster are layer 2 connected (default mode); 'layer-3': Nodes in cluster are l3 connected;

Type: string

Supported Values: layer-2, layer-3

Default: layer-2

exclude-interfaces

Description: exclude-interfaces is a **JSON Block**. Please see below for *cluster-list_local-device_exclude-interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces*

id

Description

Type: number

Range: 1-16

l2-redirect

Description: l2-redirect is a **JSON Block**. Please see below for *cluster-list_local-device_l2-redirect*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect*

priority

Description

Type: number

Range: 1-255

session-sync

Description: session-sync is a **JSON Block**. Please see below for *cluster-list_local-device_session-sync*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync*

start-delay

Description

Type: number

Range: 10-300

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *cluster-list_local-device_tracking-template*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template*

traffic-redirection

Description: traffic-redirection is a **JSON Block**. Please see below for *cluster-list_local-device_traffic-redirection*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_session-sync

Specification	
Type	*object*

follow-shared

Description Follow shared partition for session sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *cluster-list_local-device_session-sync_interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *cluster-list_local-device_session-sync_reachability-options*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_session-sync_interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

cluster-list_local-device_session-sync_interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

cluster-list_local-device_session-sync_interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

cluster-list_local-device_session-sync_interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

cluster-list_local-device_session-sync_interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

cluster-list_local-device_session-sync_reachability-options

Specification	
Type	*object*

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_exclude-interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

cluster-list_local-device_exclude-interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

cluster-list_local-device_exclude-interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

cluster-list_local-device_exclude-interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

cluster-list_local-device_exclude-interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

cluster-list_local-device_l2-redirect

Specification	
Type	*object*

ethernet-vlan

Description VLAN ID

Type: number

Range: 2-4094

redirect-eth

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: redirect-eth and redirect-trunk are mutually exclusive

redirect-trunk

Description L2 Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: redirect-trunk and redirect-eth are mutually exclusive

trunk-vlan

Description VLAN ID

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_traffic-redirection

Specification	
Type	*object*

follow-shared

Description Follow shared partition for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *cluster-list_local-device_traffic-redirection_interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *cluster-list_local-device_traffic-redirection_reachability-options*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_traffic-redirection_interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

cluster-list_local-device_traffic-redirection_interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

cluster-list_local-device_traffic-redirection_interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

cluster-list_local-device_traffic-redirection_interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

cluster-list_local-device_traffic-redirection_interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

cluster-list_local-device_traffic-redirection_reachability-options

Specification	
Type	*object*

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_tracking-template

Specification	
Type	*object*

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}*

cluster-list_local-device_tracking-template_template-list

Specification	
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_tracking-template_template-list_threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

cluster-list_cluster-devices

Specification	
Type	*object*

cluster-discovery-timeout

Description: cluster-discovery-timeout is a **JSON Block**. Please see below for *cluster-list_cluster-devices_cluster-discovery-timeout*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout*

device-id-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

minimum-nodes

Description: minimum-nodes is a **JSON Block**. Please see below for *cluster-list_cluster-devices_minimum-nodes*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_cluster-devices_cluster-discovery-timeout

Specification	
Type	*object*

timer-val

Description Cluster node discovery timeout value (secs (Default: 120))

Type: number

Range: 60-86400

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_cluster-devices_device-id-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

device-id

Description scaleout device id

Type: number

Range: 1-16

ip

Description

Type: string

Format: ipv4-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_cluster-devices_minimum-nodes

Specification	
Type	*object*

minimum-nodes-num

Description Specify the minimum number of the node required to start service

Type: number

Range: 1-8

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_device-groups

Specification	
Type	*object*

device-group-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_device-groups_device-group-list

Specification	
Type	*list*
Block object keys	

device-group

Description scaleout device group

Type: number

Range: 1-16

device-id-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_device-groups_device-group-list_device-id-list

Specification	
Type	*list*
Block object keys	

device-id-end

Description

Type: number

device-id-start

Description

Type: number

cluster-list_service-config

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_service-config_template-list

Specification	
Type	*list*
Block object keys	

bucket-count

Description Number of traffic buckets

Type: number

Range: 1-256

Default: 256

device-group

Description Device group id

Type: number

Range: 1-16

name

Description Scaleout template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_db-config

Specification	
Type	*object*

broken-detect-timeout

Description database connection broken detection timeout (mseconds) (12000 mseconds for default)

Type: number

Range: 500-120000

Default: 12000

client-recv-timeout

Description

Type: number

Range: 50-100000

Default: 13000

clientPort

Description client session port

Type: number

Range: 100-65535

elect-conn-timeout

Description election connection timeout (mseconds) (1200 for default)

Type: number

Range: 500-15000

Default: 1200

initLimit

Description

Type: number

Range: 1-500

loopback-intf-support

Description support loopback interface for scaleout database (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

maxSessionTimeout

Description

Type: number

Range: 50-100000

Default: 30000

minSessionTimeout

Description

Type: number

Range: 50-100000

Default: 100

more-election-packet

Description send more election packet in election period (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

syncLimit

Description

Type: number

Range: 1-500

tickTime

Description

Type: number

Range: 50-10000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_tracking-template

Specification	
Type	*object*

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}*

cluster-list_tracking-template_template-list

Specification	
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_tracking-template_template-list_threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.85.2 scaleout apps

Enable Scaleout for apps

apps Specification

Type	*Configuration Resource*
Element Name	apps
Element URI	/axapi/v3/scaleout/apps
Element Attributes	apps_attributes
Schema	`apps schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/apps

apps attributes

Get Object

GET

/axapi/v3/scaleout/apps

apps attributes

Modify Object

POST

/axapi/v3/scaleout/apps

apps attributes

Replace Object

PUT

/axapi/v3/scaleout/apps

apps attributes

Delete Object

DELETE

/axapi/v3/scaleout/apps

apps attributes

apps attributes

enable

Description Enable Scaleout for apps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-mac-overwrite

Description: skip-mac-overwrite is a **JSON Block**. Please see below for *skip-mac-overwrite*

Type: Object

Refernce Object: */axapi/v3/scaleout/apps/skip-mac-overwrite*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

skip-mac-overwrite

Specification	
Type	*object*

enable

Description Skips overwriting dest MAC of flooded packets on Active node

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.3 scaleout apps skip-mac-overwrite

Skips overwriting dest MAC of flooded packets on Active node

skip-mac-overwrite Specification

Type	*Configuration Resource*
Element Name	skip-mac-overwrite
Element URI	/axapi/v3/scaleout/apps/skip-mac-overwrite
Element Attributes	skip-mac-overwrite_attributes
Schema	`skip-mac-overwrite schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

Get Object

GET

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

Modify Object

POST

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

Replace Object

PUT

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

Delete Object

DELETE

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

skip-mac-overwrite attributes

enable

Description Skips overwriting dest MAC of flooded packets on Active node

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.4 scaleout cluster

Configure scaleout cluster

cluster Specification

Type	*Collection*
Object Key(s)	*cluster-id*
Collection Name	*cluster-list*
Collection URI	/axapi/v3/scaleout/cluster
Element Name	cluster
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}
Element Attributes	cluster_attributes
Schema	`cluster schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster

cluster attributes

Create List

POST

/axapi/v3/scaleout/cluster

cluster attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}

cluster attributes

Get List

GET

/axapi/v3/scaleout/cluster

cluster-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}

cluster attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}

cluster attributes

Replace List

PUT

/axapi/v3/scaleout/cluster

cluster-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}

cluster attributes

cluster-list

cluster-list is **JSON List** of *cluster attributes*

```
cluster-list : [
        { cluster attributes },
        { cluster attributes },
        ...
    ]
```

cluster attributes

cluster-devices

Description: cluster-devices is a **JSON Block**. Please see below for *cluster-devices*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices*

cluster-id

Description Scaleout cluster-id

Type: number

Range: 1-64

db-config

Description: db-config is a **JSON Block**. Please see below for *db-config*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/db-config*

device-groups

Description: device-groups is a **JSON Block**. Please see below for *device-groups*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups*

follow-vcs

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-device

Description: local-device is a **JSON Block**. Please see below for *local-device*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device*

service-config

Description: service-config is a **JSON Block**. Please see below for *service-config*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config*

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *tracking-template*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device

Specification	
Type	*object*

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

cluster-mode

Description 'layer-2': Nodes in cluster are layer 2 connected (default mode); 'layer-3': Nodes in cluster are l3 connected;

Type: string

Supported Values: layer-2, layer-3

Default: layer-2

exclude-interfaces

Description: exclude-interfaces is a **JSON Block**. Please see below for *local-device_exclude-interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces*

id

Description

Type: number

Range: 1-16

l2-redirect

Description: l2-redirect is a **JSON Block**. Please see below for *local-device_l2-redirect*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect*

priority

Description

Type: number

Range: 1-255

session-sync

Description: session-sync is a **JSON Block**. Please see below for *local-device_session-sync*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync*

start-delay

Description

Type: number

Range: 10-300

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *local-device_tracking-template*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template*

traffic-redirection

Description: traffic-redirection is a **JSON Block**. Please see below for *local-device_traffic-redirection*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_session-sync

Specification	
Type	*object*

follow-shared

Description Follow shared partition for session sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *local-device_session-sync_interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *local-device_session-sync_reachability-options*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_session-sync_interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

local-device_session-sync_interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

local-device_session-sync_interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

local-device_session-sync_interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

local-device_session-sync_interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

local-device_session-sync_reachability-options

Specification	
Type	*object*

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_exclude-interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

local-device_exclude-interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

local-device_exclude-interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

local-device_exclude-interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

local-device_exclude-interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

local-device_l2-redirect

Specification	
Type	*object*

ethernet-vlan

Description VLAN ID

Type: number

Range: 2-4094

redirect-eth

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: redirect-eth and redirect-trunk are mutually exclusive

redirect-trunk

Description L2 Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: redirect-trunk and redirect-eth are mutually exclusive

trunk-vlan

Description VLAN ID

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_traffic-redirection

Specification	
Type	*object*

follow-shared

Description Follow shared partition for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *local-device_traffic-redirection_interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *local-device_traffic-redirection_reachability-options*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_traffic-redirection_interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

local-device_traffic-redirection_interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

local-device_traffic-redirection_interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

local-device_traffic-redirection_interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

local-device_traffic-redirection_interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

local-device_traffic-redirection_reachability-options

Specification	
Type	*object*

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_tracking-template

Specification	
Type	*object*

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}*

local-device_tracking-template_template-list

Specification	
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_tracking-template_template-list_threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

cluster-devices

Specification	
Type	*object*

cluster-discovery-timeout

Description: cluster-discovery-timeout is a **JSON Block**. Please see below for *cluster-devices_cluster-discovery-timeout*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout*

device-id-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

minimum-nodes

Description: minimum-nodes is a **JSON Block**. Please see below for *cluster-devices_minimum-nodes*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-devices_cluster-discovery-timeout

Specification	
Type	*object*

timer-val

Description Cluster node discovery timeout value (secs (Default: 120))

Type: number

Range: 60-86400

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-devices_device-id-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

device-id

Description scaleout device id

Type: number

Range: 1-16

ip

Description

Type: string

Format: ipv4-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-devices_minimum-nodes

Specification	
Type	*object*

minimum-nodes-num

Description Specify the minimum number of the node required to start service

Type: number

Range: 1-8

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-groups

Specification	
Type	*object*

device-group-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-groups_device-group-list

Specification	
Type	*list*
Block object keys	

device-group

Description scaletout device group

Type: number

Range: 1-16

device-id-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-groups_device-group-list_device-id-list

Specification	
Type	*list*
Block object keys	

device-id-end

Description

Type: number

device-id-start

Description

Type: number

service-config

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-config_template-list

Specification	
Type	*list*
Block object keys	

bucket-count

Description Number of traffic buckets

Type: number

Range: 1-256

Default: 256

device-group

Description Device group id

Type: number

Range: 1-16

name

Description Scaleout template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

db-config

Specification	
Type	*object*

broken-detect-timeout

Description database connection broken detection timeout (mseconds) (12000 mseconds for default)

Type: number

Range: 500-120000

Default: 12000

client-recv-timeout

Description

Type: number

Range: 50-100000

Default: 13000

clientPort

Description client session port

Type: number

Range: 100-65535

elect-conn-timeout

Description election connection timeout (mseconds) (1200 for default)

Type: number

Range: 500-15000

Default: 1200

initLimit

Description

Type: number

Range: 1-500

loopback-intf-support

Description support loopback interface for scaleout database (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

maxSessionTimeout

Description

Type: number

Range: 50-100000

Default: 30000

minSessionTimeout

Description

Type: number

Range: 50-100000

Default: 100

more-election-packet

Description send more election packet in election period (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

syncLimit

Description

Type: number

Range: 1-500

tickTime

Description

Type: number

Range: 50-10000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template

Specification	
Type	*object*

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}*

tracking-template_template-list

Specification	
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template_template-list_threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.85.5 scaleout cluster cluster-devices

Configure devices in the cluster

cluster-devices Specification

Type	*Configuration Resource*
Element Name	cluster-devices
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices
Element Attributes	cluster-devices_attributes
Schema	`cluster-devices schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices

cluster-devices attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices

cluster-devices attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices

cluster-devices attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices

cluster-devices attributes

cluster-devices attributes

cluster-discovery-timeout

Description: cluster-discovery-timeout is a **JSON Block**. Please see below for *cluster-discovery-timeout*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout*

device-id-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

minimum-nodes

Description: minimum-nodes is a **JSON Block**. Please see below for *minimum-nodes*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-discovery-timeout

Specification	
Type	*object*

timer-val

Description Cluster node discovery timeout value (secs (Default: 120))

Type: number

Range: 60-86400

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-id-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

device-id

Description scaleout device id

Type: number

Range: 1-16

ip

Description

Type: string

Format: ipv4-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

minimum-nodes

Specification	
Type	*object*

minimum-nodes-num

Description Specify the minimum number of the node required to start service

Type: number

Range: 1-8

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.6 scaleout cluster cluster-devices cluster-discovery-timeout

Configure cluster discovery timeout

cluster-discovery-timeout Specification

Type	*Configuration Resource*
Element Name	cluster-discovery-timeout
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout
Element Attributes	cluster-discovery-timeout_attributes
Schema	`cluster-discovery-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

cluster-discovery-timeout attributes

timer-val

Description Cluster node discovery timeout value (secs (Default: 120))

Type: number

Range: 60-86400

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.7 scaleout cluster cluster-devices device-id

configure Scaleout devices

device-id Specification

Type	*Collection*
Object Key(s)	*device-id*
Collection Name	*device-id-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id
Element Name	device-id
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}
Element Attributes	device-id_attributes
Schema	`device-id schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id

device-id attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id

device-id attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}

device-id attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id

device-id-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}

device-id attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}

device-id attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id

device-id-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}

device-id attributes

device-id-list

device-id-list is **JSON List** of *device-id attributes*

device-id-list : [

{ *device-id attributes* },

{ *device-id attributes* },

...

]

device-id attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

device-id

Description scaleout device id

Type: number

Range: 1-16

ip

Description

Type: string

Format: ipv4-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.8 scaleout cluster cluster-devices minimum-nodes

Minimum number of nodes to start scaleout

minimum-nodes Specification

Type	*Configuration Resource*
Element Name	minimum-nodes
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes
Element Attributes	minimum-nodes_attributes
Schema	`minimum-nodes schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

minimum-nodes attributes

minimum-nodes-num

Description Specify the minimum number of the node required to start service

Type: number

Range: 1-8

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.9 scaleout cluster db-config

Configure zk prarameters

db-config Specification

Type	*Configuration Resource*
Element Name	db-config
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/db-config
Element Attributes	db-config_attributes
Schema	`db-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

db-config attributes

broken-detect-timeout

Description database connection broken detection timeout (mseconds) (12000 mseconds for default)

Type: number

Range: 500-120000

Default: 12000

client-recv-timeout

Description

Type: number

Range: 50-100000

Default: 13000

clientPort

Description client session port

Type: number

Range: 100-65535

elect-conn-timeout

Description election connection timeout (mseconds) (1200 for default)

Type: number

Range: 500-15000

Default: 1200

initLimit

Description

Type: number

Range: 1-500

loopback-intf-support

Description support loopback interface for scaleout database (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

maxSessionTimeout

Description

Type: number

Range: 50-100000

Default: 30000

minSessionTimeout

Description

Type: number

Range: 50-100000

Default: 100

more-election-packet

Description send more election packet in election period (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

syncLimit

Description

Type: number

Range: 1-500

tickTime

Description

Type: number

Range: 50-10000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.10 scaleout cluster device-groups

configure scaleout device groups

device-groups Specification

Type	*Configuration Resource*
Element Name	device-groups
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/device-groups
Element Attributes	device-groups_attributes
Schema	`device-groups schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

device-groups attributes

device-group-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-group-list

Specification	
Type	*list*
Block object keys	

device-group

Description scaletout device group

Type: number

Range: 1-16

device-id-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-group-list_device-id-list

Specification	
Type	*list*
Block object keys	

device-id-end

Description

Type: number

device-id-start

Description

Type: number

2.85.11 scaleout cluster device-groups device-group

configure scaleout device groups

device-group Specification

Type	*Collection*
Object Key(s)	*device-group*
Collection Name	*device-group-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group
Element Name	device-group
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}
Element Attributes	device-group_attributes
Schema	`device-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group

device-group attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group

device-group attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}

device-group attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group

device-group-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}

device-group attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}

device-group attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group

device-group-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}

device-group attributes

device-group-list

device-group-list is **JSON List** of *device-group attributes*

device-group-list : [

{ *device-group attributes* },

{ *device-group attributes* },

...

]

device-group attributes

device-group

Description scaletout device group

Type: number

Range: 1-16

device-id-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-id-list

Specification	
Type	*list*
Block object keys	

device-id-end

Description

Type: number

device-id-start

Description

Type: number

2.85.12 scaleout cluster local-device

Local device configuration

local-device Specification

Type	*Configuration Resource*
Element Name	local-device
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device
Element Attributes	local-device_attributes
Schema	`local-device schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

local-device attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

cluster-mode

Description 'layer-2': Nodes in cluster are layer 2 connected (default mode); 'layer-3': Nodes in cluster are l3 connected;

Type: string

Supported Values: layer-2, layer-3

Default: layer-2

exclude-interfaces

Description: exclude-interfaces is a **JSON Block**. Please see below for *exclude-interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces*

id

Description

Type: number

Range: 1-16

l2-redirect

Description: l2-redirect is a **JSON Block**. Please see below for *l2-redirect*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect*

priority

Description

Type: number

Range: 1-255

session-sync

Description: session-sync is a **JSON Block**. Please see below for *session-sync*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync*

start-delay

Description

Type: number

Range: 10-300

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *tracking-template*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template*

traffic-redirection

Description: traffic-redirection is a **JSON Block**. Please see below for *traffic-redirection*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-sync

Specification	
Type	*object*

follow-shared

Description Follow shared partition for session sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *session-sync_interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *session-sync_reachability-options*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-sync_interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

session-sync_interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

session-sync_interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

session-sync_interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

session-sync_interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

session-sync_reachability-options

Specification	
Type	*object*

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

exclude-interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

exclude-interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

exclude-interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

exclude-interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

exclude-interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

l2-redirect

Specification	
Type	*object*

ethernet-vlan

Description VLAN ID

Type: number

Range: 2-4094

redirect-eth

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: redirect-eth and redirect-trunk are mutually exclusive

redirect-trunk

Description L2 Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: redirect-trunk and redirect-eth are mutually exclusive

trunk-vlan

Description VLAN ID

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-redirection

Specification	
Type	*object*

follow-shared

Description Follow shared partition for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *traffic-redirection_interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *traffic-redirection_reachability-options*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-redirection_interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

traffic-redirection_interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

traffic-redirection_interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

traffic-redirection_interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

traffic-redirection_interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

traffic-redirection_reachability-options

Specification	
Type	*object*

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template

Specification	
Type	*object*

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}*

tracking-template_template-list

Specification	
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template_template-list_threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.85.13 scaleout cluster local-device exclude-interfaces

Interfaces for peers to exclude from scaleout redirection and session sync

exclude-interfaces Specification

Type	*Configuration Resource*
Element Name	exclude-interfaces
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces
Element Attributes	exclude-interfaces_attributes
Schema	`exclude-interfaces schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

exclude-interfaces attributes

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

2.85.14 scaleout cluster local-device l2-redirect

Configure interface for redirection

l2-redirect Specification

Type	*Configuration Resource*
Element Name	l2-redirect
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect
Element Attributes	l2-redirect_attributes
Schema	`l2-redirect schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

l2-redirect attributes

ethernet-vlan

Description VLAN ID

Type: number

Range: 2-4094

redirect-eth

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: redirect-eth and redirect-trunk are mutually exclusive

redirect-trunk

Description L2 Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: redirect-trunk and redirect-eth are mutually exclusive

trunk-vlan

Description VLAN ID

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.15 scaleout cluster local-device session-sync

Interface for scaleout session sync

session-sync Specification

Type	*Configuration Resource*
Element Name	session-sync
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync
Element Attributes	session-sync_attributes
Schema	`session-sync schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

session-sync attributes

follow-shared

Description Follow shared partition for session sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *reachability-options*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

reachability-options

Specification	
Type	*object*

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.16 scaleout cluster local-device session-sync-interface

Interface for scaleout session sync

session-sync-interface Specification

Type	*Configuration Resource*
Element Name	session-sync-interface
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync-interface
Element Attributes	session-sync-interface_attributes
Schema	`session-sync-interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync-interface

session-sync-interface attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync-interface

session-sync-interface attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync-interface

session-sync-interface attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync-interface

session-sync-interface attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync-interface

session-sync-interface attributes

session-sync-interface attributes

eth-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

Range: 0-1

2.85.17 scaleout cluster local-device session-sync interfaces

Session sync interfaces

interfaces Specification

Type	*Configuration Resource*
Element Name	interfaces
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces
Element Attributes	interfaces_attributes
Schema	`interfaces schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

interfaces attributes

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

2.85.18 scaleout cluster local-device session-sync reachability-options

Options to determine reachability for session sync

reachability-options Specification

Type	*Configuration Resource*
Element Name	reachability-options
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options
Element Attributes	reachability-options_attributes
Schema	`reachability-options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

reachability-options attributes

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.19 scaleout cluster local-device tracking-template

Configure scaleout tracking

tracking-template Specification

Type	*Intermediate Resource*
Element Name	tracking-template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template
Element Attributes	tracking-template_attributes
Schema	`tracking-template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template

tracking-template_attributes

tracking-template attributes

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}*

template-list

Specification	
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.85.20 scaleout cluster local-device tracking-template template

Configure tracking template to be used by scaleout

template Specification

Type	*Collection*
Object Key(s)	*template*
Collection Name	*template-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template
Element Name	template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template

template attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template

template attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}

template attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template

template-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}

template attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}

template attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template

template-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.85.21 scaleout cluster local-device traffic-redirection

Redirect interfaces and options

traffic-redirection Specification

Type	*Configuration Resource*
Element Name	traffic-redirection
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection
Element Attributes	traffic-redirection_attributes
Schema	`traffic-redirection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

traffic-redirection attributes

follow-shared

Description Follow shared partition for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *interfaces*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *reachability-options*

Type: Object

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interfaces

Specification	
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interfaces_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

interfaces_loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

interfaces_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

interfaces_eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

reachability-options

Specification	
Type	*object*

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.22 scaleout cluster local-device traffic-redirection interfaces

Redirect interfaces

interfaces Specification

Type	*Configuration Resource*
Element Name	interfaces
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces
Element Attributes	interfaces_attributes
Schema	`interfaces schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

interfaces attributes

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

loopback-cfg

Specification	
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

eth-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

2.85.23 scaleout cluster local-device traffic-redirection reachability-options

Options to determine reachability for redirection

reachability-options Specification

Type	*Configuration Resource*
Element Name	reachability-options
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options
Element Attributes	reachability-options_attributes
Schema	`reachability-options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

reachability-options attributes

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.24 scaleout cluster service-config

Configure scaleout templates for SLB, CGN and VRRP

service-config Specification

Type	*Configuration Resource*
Element Name	service-config
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/service-config
Element Attributes	service-config_attributes
Schema	`service-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config

service-config attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/service-config

service-config attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config

service-config attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/service-config

service-config attributes

service-config attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	
Type	*list*
Block object keys	

bucket-count

Description Number of traffic buckets

Type: number

Range: 1-256

Default: 256

device-group

Description Device group id

Type: number

Range: 1-16

name

Description Scaleout template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.25 scaleout cluster service-config template

Scaleout template

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template
Element Name	template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template

template attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template

template attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}

template attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template

template-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}

template attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template

template-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

bucket-count

Description Number of traffic buckets

Type: number

Range: 1-256

Default: 256

device-group

Description Device group id

Type: number

Range: 1-16

name

Description Scaleout template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.26 scaleout cluster tracking-template

Configure scaleout tracking

tracking-template Specification

Type	*Intermediate Resource*
Element Name	tracking-template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template
Element Attributes	tracking-template_attributes
Schema	`tracking-template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template

tracking-template_attributes

tracking-template attributes

template-list

Type: List

Refernce Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}*

template-list

Specification	
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.85.27 scaleout cluster tracking-template template

Configure tracking template to be used by scaleout

template Specification

Type	*Collection*
Object Key(s)	*template*
Collection Name	*template-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template
Element Name	template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template

template attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template

template attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}

template attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template

template-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}

template attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}

template attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template

template-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

threshold-cfg

Specification	
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.85.28 scaleout distributed-forwarding

Enable Scaleout distributed-forwarding

distributed-forwarding Specification

Type	*Configuration Resource*
Element Name	distributed-forwarding
Element URI	/axapi/v3/scaleout/distributed-forwarding
Element Attributes	distributed-forwarding_attributes
Schema	`distributed-forwarding schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/distributed-forwarding

distributed-forwarding attributes

Get Object

GET

/axapi/v3/scaleout/distributed-forwarding

distributed-forwarding attributes

Modify Object

POST

/axapi/v3/scaleout/distributed-forwarding

distributed-forwarding attributes

Replace Object

PUT

/axapi/v3/scaleout/distributed-forwarding

distributed-forwarding attributes

Delete Object

DELETE

/axapi/v3/scaleout/distributed-forwarding

distributed-forwarding attributes

distributed-forwarding attributes

cgn

Description Enable CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw

Description Enable FW

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.86 scaleout-cgn

Objects:

2.86.1 scaleout-cgn

Enable Scaleout for CGN

scaleout-cgn Specification

Type	*Configuration Resource*
Element Name	scaleout-cgn
Element URI	/axapi/v3/scaleout-cgn
Element Attributes	scaleout-cgn_attributes
Schema	`scaleout-cgn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout-cgn

scaleout-cgn attributes

Get Object

GET

/axapi/v3/scaleout-cgn

scaleout-cgn attributes

Modify Object

POST

/axapi/v3/scaleout-cgn

scaleout-cgn attributes

Delete Object

DELETE

/axapi/v3/scaleout-cgn

scaleout-cgn attributes

scaleout-cgn attributes

2.87 sctp

Objects:

2.87.1 sctp

SCTP

sctp Specification

Type	*Intermediate Resource*
Element Name	sctp
Element URI	/axapi/v3/sctp
Element Attributes	sctp_attributes
Schema	`sctp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sctp

sctp_attributes

sctp attributes

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/sctp/global*

global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sctp-static-nat-session-created': SCTP Static NAT Session Created; 'sctp-static-nat-session-deleted': SCTP Static NAT Session Deleted; 'sctp-fw-session-created': SCTP Firewall Session Created; 'sctp-fw-session-deleted': SCTP Firewall Session Deleted; 'pkt-err-drop': Packet Error Drop; 'bad-csum': Bad Checksum; 'bad-payload-drop': Bad Payload Drop; 'bad-alignment-drop': Bad Alignment Drop; 'oos-pkt-drop': Out-of-state Packet Drop; 'max-multi-home-drop': Maximum Multi-homing IP Addresses Drop; 'multi-home-remove-ip-skip': Multi-homing Remove IP Parameter Skip; 'multi-home-addr-not-found-drop': Multi-homing IP Address Not Found Drop; 'static-nat-cfg-not-found': Static NAT Config Not Found Drop; 'cfg-err-drop': Configuration Error Drop; 'vrrp-standby-drop': NAT Resource VRRP-A Standby Drop; 'invalid-frag-chunk-drop': Invalid Fragmented Chunks Drop; 'disallowed-chunk-filtered': Disallowed Chunk Filtered; 'disallowed-pkt-drop': Disallowed Packet Drop; 'rate-limit-drop': Rate-limit Drop; 'sby-session-created':

Standby Session Created; 'sby-session-create-fail': Standby Session Create Failed; 'sby-session-updated': Standby Session Updated; 'sby-session-update-fail': Standby Session Update Failed; 'sby-static-nat-cfg-not-found': Static NAT Config Not Found on Standby; 'sctp-out-of-system-memory': Out of System Memory; 'conn_ext_size_max': Max Conn Extension Size; 'bad-csum-shadow': Bad Checksum Shadow; 'bad-payload-drop-shadow': Bad Packet Payload Drop Shadow; 'bad-alignment-drop-shadow': Bad Packet Alignment Drop Shadow;

Type: string

Supported Values: all, sctp-static-nat-session-created, sctp-static-nat-session-deleted, sctp-fw-session-created, sctp-fw-session-deleted, pkt-err-drop, bad-csum, bad-payload-drop, bad-alignment-drop, oos-pkt-drop, max-multi-home-drop, multi-home-remove-ip-skip, multi-home-addr-not-found-drop, static-nat-cfg-not-found, cfg-err-drop, vrrp-standby-drop, invalid-frag-chunk-drop, disallowed-chunk-filtered, disallowed-pkt-drop, rate-limit-drop, sby-session-created, sby-session-create-fail, sby-session-updated, sby-session-update-fail, sby-static-nat-cfg-not-found, sctp-out-of-system-memory, conn_ext_size_max, bad-csum-shadow, bad-payload-drop-shadow, bad-alignment-drop-shadow

2.87.2 sctp global

SCTP Statistics

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/sctp/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/sctp/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sctp/global

global attributes

Get Object

GET

/axapi/v3/sctp/global

global attributes

Modify Object

POST

/axapi/v3/sctp/global

global attributes

Replace Object

PUT

/axapi/v3/sctp/global

global attributes

Delete Object

DELETE

/axapi/v3/sctp/global

global attributes

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sctp-static-nat-session-created': SCTP Static NAT Session Created; 'sctp-static-nat-session-deleted': SCTP Static NAT Session Deleted; 'sctp-fw-session-created': SCTP Firewall Session Created; 'sctp-fw-session-deleted': SCTP Firewall Session Deleted; 'pkt-err-drop': Packet Error Drop; 'bad-csum': Bad Checksum; 'bad-payload-drop': Bad Payload Drop; 'bad-alignment-drop': Bad Alignment Drop; 'oos-pkt-drop': Out-of-state Packet Drop; 'max-multi-home-drop': Maximum Multi-homing IP Addresses Drop; 'multi-home-remove-ip-skip': Multi-homing Remove IP Parameter Skip; 'multi-home-addr-not-found-drop': Multi-homing IP Address Not Found Drop; 'static-nat-cfg-not-found': Static NAT Config Not Found Drop; 'cfg-err-drop': Configuration Error Drop; 'vrrp-standby-drop': NAT Resource VRRP-A Standby Drop; 'invalid-frag-chunk-drop': Invalid Fragmented Chunks Drop; 'disallowed-chunk-filtered': Disallowed Chunk Filtered; 'disallowed-pkt-drop': Disallowed Packet Drop; 'rate-limit-drop': Rate-limit Drop; 'sby-session-created': Standby Session Created; 'sby-session-create-fail': Standby Session Create Failed; 'sby-session-updated': Standby Session Updated; 'sby-session-update-fail': Standby Session Update Failed; 'sby-static-nat-cfg-not-found': Static NAT Config Not Found on Standby; 'sctp-out-of-system-memory': Out of System Memory; 'conn_ext_size_max': Max Conn Extension Size; 'bad-csum-shadow': Bad Checksum Shadow; 'bad-payload-drop-shadow': Bad Packet Payload Drop Shadow; 'bad-alignment-drop-shadow': Bad Packet Alignment Drop Shadow;

Type: string

Supported Values: all, sctp-static-nat-session-created, sctp-static-nat-session-deleted, sctp-fw-session-created, sctp-fw-session-deleted, pkt-err-drop, bad-csum, bad-payload-drop, bad-alignment-drop, oos-pkt-drop, max-multi-home-drop, multi-home-remove-ip-skip, multi-home-addr-not-found-drop, static-nat-cfg-not-found, cfg-err-drop, vrrp-standby-drop, invalid-frag-chunk-drop, disallowed-chunk-filtered, disallowed-pkt-drop, rate-limit-drop, sby-session-created, sby-session-create-fail, sby-session-updated, sby-session-update-fail, sby-static-nat-cfg-not-found, sctp-out-of-system-memory, conn_ext_size_max, bad-csum-shadow, bad-payload-drop-shadow, bad-alignment-drop-shadow

stats data

	Counter	Size	Description
	sctp-static-nat-session-deleted	8	SCTP Static NAT Session Deleted
	oos-pkt-drop	8	Out-of-state Packet Drop
	sctp-fw-session-deleted	8	SCTP Firewall Session Deleted
	sctp-static-nat-session-created	8	SCTP Static NAT Session Created
	sby-session-update-fail	8	Standby Session Update Failed
	bad-csum	8	Bad Checksum
	max-multi-home-drop	8	Maximum Multi-homing IP Addresses Drop
	vrrp-standby-drop	8	NAT Resource VRRP-A Standby Drop
	sby-session-create-fail	8	Standby Session Create Failed
	disallowed-chunk-filtered	8	Disallowed Chunk Filtered
	pkt-err-drop	8	Packet Error Drop
	rate-limit-drop	8	Rate-limit Drop
	sby-static-nat-cfg-not-found	8	Static NAT Config Not Found on Standby
	sctp-fw-session-created	8	SCTP Firewall Session Created
	bad-payload-drop	8	Bad Payload Drop
	sby-session-created	8	Standby Session Created
	invalid-frag-chunk-drop	8	Invalid Fragmented Chunks Drop
	cfg-err-drop	8	Configuration Error Drop
	bad-alignment-drop	8	Bad Alignment Drop
	static-nat-cfg-not-found	8	Static NAT Config Not Found Drop
	multi-home-addr-not-found-drop	8	Multi-homing IP Address Not Found Drop
	multi-home-remove-ip-skip	8	Multi-homing Remove IP Parameter Skip
	sby-session-updated	8	Standby Session Updated
	disallowed-pkt-drop	8	Disallowed Packet Drop

2.88 service-partition

Objects:

2.88.1 service-partition

Create/unload a service partition

service-partition Specification

Type	*Collection*
Object Key(s)	*partition-name*
Collection Name	*service-partition-list*
Collection URI	/axapi/v3/service-partition
Element Name	service-partition
Element URI	/axapi/v3/service-partition/{partition-name}
Element Attributes	service-partition_attributes
Schema	`service-partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/service-partition

service-partition attributes

Create List

POST

/axapi/v3/service-partition

service-partition attributes

Get Object

GET

/axapi/v3/service-partition/{partition-name}

service-partition attributes

Get List

GET

/axapi/v3/service-partition

service-partition-list

Modify Object

POST

/axapi/v3/service-partition/{partition-name}

service-partition attributes

Delete Object

DELETE

/axapi/v3/service-partition/{partition-name}

service-partition attributes

service-partition-list

service-partition-list is **JSON List** of *service-partition attributes*

service-partition-list : [

{ *service-partition attributes* },

{ *service-partition attributes* },

...

]

service-partition attributes

application-type

Description 'adc': Application type ADC;

Type: string

Supported Values: adc

follow-vrid

Description Join a vrrp group (Specify ha VRRP-A vrid)

Type: number

Range: 0-31

Default: 0

Refernce Object: */axapi/v3/vrrp-a/vrid*

id

Description Specify unique service partition id

Type: number

partition-name

Description Object service partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.89 session-filter

Objects:

2.89.1 session-filter

Create a convenience Filter to display/clear sessions

session-filter Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*session-filter-list*
Collection URI	/axapi/v3/session-filter
Element Name	session-filter
Element URI	/axapi/v3/session-filter/{name}
Element Attributes	session-filter_attributes
Schema	`session-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/session-filter

session-filter attributes

```
POST /axapi/v3/session-filter/
Payload:
{
    "session-filter": {
        "set": 1,
```

(continues on next page)

(continued from previous page)

```
        "name": "a",
        "filter-cfg": {
            "session-type": "ipv6"
        }
    }
}
```

Create List

POST

/axapi/v3/session-filter

session-filter attributes

Get Object

GET

/axapi/v3/session-filter/{name}

session-filter attributes

```
GET /axapi/v3/session-filter/a
Reponse:
{
    "session-filter": {
        "name": "a",
        "set": 1,
        "filter-cfg": {
            "session-type": "ipv6"
        },
        "uuid": "b864304e-5bf6-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/session-filter/a"
    }
}
```

Get List

GET

/axapi/v3/session-filter

session-filter-list

Modify Object

POST

/axapi/v3/session-filter/{name}

session-filter attributes

Replace Object

PUT

/axapi/v3/session-filter/{name}

session-filter attributes

```
PUT /axapi/v3/session-filter/a
Payload:
{
    "session-filter": {
        "set": 1,
        "name": "a",
        "filter-cfg": {
            "session-type": "sip"
        }
    }
}
```

Replace List

PUT

/axapi/v3/session-filter

session-filter-list

Delete Object

DELETE

/axapi/v3/session-filter/{name}

session-filter attributes

```
DELETE /axapi/v3/session-filter/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

session-filter-list

session-filter-list is **JSON List** of *session-filter attributes*

session-filter-list : [

{ *session-filter attributes* },

{ *session-filter attributes* },

...

]

session-filter attributes

filter-cfg

Description: filter-cfg is a **JSON Block**. Please see below for *filter-cfg*

Type: Object

name

Description Session filter name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

set

Description Set filter criteria

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

filter-cfg

Specification	
Type	*object*

app

Description Specify application(s), separated by comma (For example: http,tcp)

Type: string

Format: string-rlx

Maximum Length: 1024 characters

Maximum Length: 1 characters

app-category

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'aetls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.;

'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information':

Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, aetls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

dest-addr

Description Forward Destination IP (Destination IP address)

Type: string

Format: ipv4-address

dest-mask

Description Forward Destination IP Subnet (Destination Netmask)

Type: string

Format: ipv4-netmask

dport2

Description Forward Destination Port (Dest Port)

Type: number

Range: 1-65535

session-type

Description 'ipv6': Display ipv6 sessions only; 'sip': SIP sessions;

Type: string

Supported Values: ipv6, sip

source-addr

Description Forward Source IP (Source IP address)

Type: string

Format: ipv4-address

source-mask

Description Forward Source IP Subnet (Source Netmask)

Type: string

Format: ipv4-netmask

source-port

Description Forward Source Port

Type: number

Range: 1-65535

2.90 sflow

Objects:

2.90.1 sflow

Configure sFlow

sflow Specification

Type	*Intermediate Resource*
Element Name	sflow
Element URI	/axapi/v3/sflow
Element Attributes	sflow_attributes
Schema	`sflow schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sflow

sflow_attributes

sflow attributes

agent

Description: agent is a **JSON Block**. Please see below for *agent*

Type: Object

Refernce Object: */axapi/v3/sflow/agent*

collector

Description: collector is a **JSON Block**. Please see below for *collector*

Type: Object

Refernce Object: */axapi/v3/sflow/collector*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/sflow/global*

polling

Description: polling is a **JSON Block**. Please see below for *polling*

Type: Object

Refernce Object: */axapi/v3/sflow/polling*

sampling

Description: sampling is a **JSON Block**. Please see below for *sampling*

Type: Object

Refernce Object: */axapi/v3/sflow/sampling*

setting

Description: setting is a **JSON Block**. Please see below for *setting*

Type: Object

Refernce Object: */axapi/v3/sflow/setting*

source-address

Description: source-address is a **JSON Block**. Please see below for *source-address*

Type: Object

Refernce Object: */axapi/v3/sflow/source-address*

source-address

Specification	
Type	*object*

ip

Description Source IPv4 address

Type: string

Format: ipv4-address

ipv6

Description Source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-packet-sample-records': Total packet sample records; 'total-counter-sample-records': Total counter sample records; 'total-sflow-packets-sent': Total sflow packets sent;

Type: string

Supported Values: all, total-packet-sample-records, total-counter-sample-records, total-sflow-packets-sent

agent

Specification	
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *agent_address*

Type: Object

Refernce Object: */axapi/v3/sflow/agent/address*

agent_address

Specification	
Type	*object*

ip

Description Configure sFlow agent IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Configure sFlow agent IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling

Specification	
Type	*object*

eth-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

sampling_eth-list

Specification	
Type	*list*
Block object keys	

eth-end

Description Ethernet interface to sample

Type: number

Format: interface

eth-start

Description Ethernet interface to sample

Type: number

Format: interface

sampling_ve-list

Specification	
Type	*list*
Block object keys	

ve-end

Description VE interface to sample

Type: number

Refernce Object: */axapi/v3/interface/ve*

ve-start

Description VE interface to sample

Type: number

Refernce Object: */axapi/v3/interface/ve*

setting

Specification	
Type	*object*

counter-polling-interval

Description sFlow counter polling interval, default is 20

Type: number

Range: 1-200

Default: 10

local-collection

Description 'enable': Enable local sflow collection; 'disable': Disable local sflow collection;

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header

Description Configure maximum number of bytes that should be copied from a sampled packet (default: 128) (The maximum number of bytes (Default: 128))

Type: number

Range: 14-512

Default: 128

packet-sampling-rate

Description sFlow packet sampling rate, default is 1000

Type: number

Range: 10-1000000

Default: 1000

source-ip-use-mgmt

Description Use management interface's IP address for source IP of sFlow packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polling

Specification	
Type	*object*

cpu-usage

Description Polling CPU usage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-list

Type: List

http-counter

Description Polling HTTP counters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

polling_eth-list

Specification	
Type	*list*
Block object keys	

eth-end

Description Ethernet interface to sample

Type: number

Format: interface

eth-start

Description Ethernet interface to sample

Type: number

Format: interface

polling_ve-list

Specification	
Type	*list*
Block object keys	

ve-end

Description VE interface to sample

Type: number

Refernce Object: */axapi/v3/interface/ve*

ve-start

Description VE interface to sample

Type: number

Refernce Object: */axapi/v3/interface/ve*

collector

Specification	
Type	*object*

ip-list

Type: List

Refernce Object: */axapi/v3/sflow/collector/ip/{addr}+{port}*

ipv6-list

Type: List

Refernce Object: */axapi/v3/sflow/collector/ipv6/{addr}+{port}*

collector_ip-list

Specification	
Type	*list*
Block object keys	

addr

Description Configure sFlow collector IP address

Type: string

Format: ipv4-address

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_ipv6-list

Specification	
Type	*list*
Block object keys	

addr

Description Configure sFlow collector IPv6 address

Type: string

Format: ipv6-address

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.2 sflow agent

Configure sFlow agent

agent Specification

Type	*Intermediate Resource*
Element Name	agent
Element URI	/axapi/v3/sflow/agent
Element Attributes	agent_attributes
Schema	`agent schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sflow/agent

agent_attributes

agent attributes

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

Refernce Object: */axapi/v3/sflow/agent/address*

address

Specification	
Type	*object*

ip

Description Configure sFlow agent IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Configure sFlow agent IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.3 sflow agent address

Configure agent address used in sFlow datagram, default use management IP address

address Specification

Type	*Configuration Resource*
Element Name	address
Element URI	/axapi/v3/sflow/agent/address
Element Attributes	address_attributes
Schema	`address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/agent/address

address attributes

```
POST /axapi/v3/sflow/agent/address
Payload:
{
    "address": {
        "ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/sflow/agent/address

address attributes

```
GET /axapi/v3/sflow/agent/address
Reponse:
{
    "address": {
        "ip": "3.3.3.3",
        "uuid": "53e9c102-6046-11d9-9277-001fa00680a0",
        "a10-url": "/axapi/v3/sflow/agent/address"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/agent/address

address attributes

Replace Object

PUT

/axapi/v3/sflow/agent/address

address attributes

```
PUT /axapi/v3/sflow/agent/address
Payload:
{
    "address": {
        "ip": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/agent/address

address attributes

```
DELETE /axapi/v3/sflow/agent/address
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

address attributes

ip

Description Configure sFlow agent IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Configure sFlow agent IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.4 sflow collector

Configure sFlow collector (a.k.a. receiver)

collector Specification

Type	*Intermediate Resource*
Element Name	collector
Element URI	/axapi/v3/sflow/collector
Element Attributes	collector_attributes
Schema	`collector schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sflow/collector

collector_attributes

collector attributes

ip-list

Type: List

Refernce Object: */axapi/v3/sflow/collector/ip/{addr}+{port}*

ipv6-list

Type: List

Refernce Object: */axapi/v3/sflow/collector/ipv6/{addr}+{port}*

ip-list

Specification	
Type	*list*
Block object keys	

addr

Description Configure sFlow collector IP address

Type: string

Format: ipv4-address

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list

Specification	
Type	*list*
Block object keys	

addr

Description Configure sFlow collector IPv6 address

Type: string

Format: ipv6-address

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.5 sflow collector ip

Configure sFlow IPv4 collector

ip Specification

Type	*Collection*
Object Key(s)	*addr, port*
Collection Name	*ip-list*
Collection URI	/axapi/v3/sflow/collector/ip
Element Name	ip
Element URI	/axapi/v3/sflow/collector/ip/{addr}+{port}
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/ip

ip attributes

```
POST /axapi/v3/sflow/collector/ip/
Payload:
{
    "ip": {
        "addr": "3.3.3.3",
        "port": 1
    }
}
```

Create List

POST

/axapi/v3/sflow/collector/ip

ip attributes

Get Object

GET

/axapi/v3/sflow/collector/ip/{addr}+{port}

ip attributes

```
GET /axapi/v3/sflow/collector/ip/3.3.3.3+1
Reponse:
{
    "ip": {
        "addr": "3.3.3.3",
        "port": 1,
        "uuid": "702c7954-6046-11d9-9277-001fa00680a0",
        "a10-url": "/axapi/v3/sflow/collector/ip/3.3.3.3+1"
    }
}
```

Get List

GET

/axapi/v3/sflow/collector/ip

ip-list

Modify Object

POST

/axapi/v3/sflow/collector/ip/{addr}+{port}

ip attributes

Replace Object

PUT

/axapi/v3/sflow/collector/ip/{addr}+{port}

ip attributes

```
PUT /axapi/v3/sflow/collector/ip/3.3.3.3+1
Payload:
{
    "ip": {
        "addr": "3.3.3.3",
        "port": 1
    }
}
```

Replace List

PUT

/axapi/v3/sflow/collector/ip

ip-list

Delete Object

DELETE

/axapi/v3/sflow/collector/ip/{addr}+{port}

ip attributes

```
DELETE /axapi/v3/sflow/collector/ip/3.3.3.3+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

addr

Description Configure sFlow collector IP address

Type: string

Format: ipv4-address

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.6 sflow collector ipv6

Configure sFlow IPv6 collector

ipv6 Specification

Type	*Collection*
Object Key(s)	*addr, port*
Collection Name	*ipv6-list*
Collection URI	/axapi/v3/sflow/collector/ipv6
Element Name	ipv6
Element URI	/axapi/v3/sflow/collector/ipv6/{addr}+{port}
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/ipv6

ipv6 attributes

```
POST /axapi/v3/sflow/collector/ipv6/
Payload:
{
    "ipv6": {
        "addr": "2003::1",
        "port": 1
    }
}
```

Create List

POST

/axapi/v3/sflow/collector/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/sflow/collector/ipv6/{addr}+{port}

ipv6 attributes

```
GET /axapi/v3/sflow/collector/ipv6/2003::1+1
Reponse:
{
    "ipv6": {
        "addr": "2003::1",
        "port": 1,
        "uuid": "7d42a802-6046-11d9-9277-001fa00680a0",
        "a10-url": "/axapi/v3/sflow/collector/ipv6/2003%3A%3A1+1"
    }
}
```

Get List

GET

/axapi/v3/sflow/collector/ipv6

ipv6-list

Modify Object

POST

/axapi/v3/sflow/collector/ipv6/{addr}+{port}

ipv6 attributes

Replace Object

PUT

/axapi/v3/sflow/collector/ipv6/{addr}+{port}

ipv6 attributes

```
PUT /axapi/v3/sflow/collector/ipv6/2003::1+1
Payload:
{
    "ipv6": {
        "addr": "2003::1",
        "port": 1
    }
}
```

Replace List

PUT

/axapi/v3/sflow/collector/ipv6

ipv6-list

Delete Object

DELETE

/axapi/v3/sflow/collector/ipv6/{addr}+{port}

ipv6 attributes

```
DELETE /axapi/v3/sflow/collector/ipv6/2003::1+1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6-list

ipv6-list is **JSON List** of *ipv6 attributes*

ipv6-list : [

{ *ipv6 attributes* },

{ *ipv6 attributes* },

...

]

ipv6 attributes

addr

Description Configure sFlow collector IPv6 address

Type: string

Format: ipv6-address

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.7 sflow global

sFlow global

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/sflow/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/sflow/global/stats
Operational Data URI	/axapi/v3/sflow/global/oper
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/global

global attributes

```
POST /axapi/v3/sflow/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/sflow/global

global attributes

```
GET /axapi/v3/sflow/global
Reponse:
{
    "global": {
        "uuid": "e2ce9066-6c5f-11e9-b8b7-dbe69c1e923a",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/sflow/global"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/global

global attributes

Replace Object

PUT

/axapi/v3/sflow/global

global attributes

```
PUT /axapi/v3/sflow/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "total-packet-sample-records"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/global

global attributes

```
DELETE /axapi/v3/sflow/global
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-packet-sample-records': Total packet sample records; 'total-counter-sample-records': Total counter sample records; 'total-sflow-packets-sent': Total sflow packets sent;

Type: string

Supported Values: all, total-packet-sample-records, total-counter-sample-records, total-sflow-packets-sent

stats data

	Counter	Size	Description
	total-packet-sample-records	8	Total packet sample records
	total-counter-sample-records	8	Total counter sample records
	total-sflow-packets-sent	8	Total sflow packets sent

operational data

	Counter	Size	Description
	if-stats-list		if-stats-list

2.90.8 sflow polling

Configure sFlow counter polling on specified source

polling Specification

Type	*Configuration Resource*
Element Name	polling
Element URI	/axapi/v3/sflow/polling
Element Attributes	polling_attributes
Schema	`polling schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling

polling attributes

```
POST /axapi/v3/sflow/polling
Payload:
{
    "polling": {
        "eth-list": [
            {
                "eth-start": 1,
                "eth-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/sflow/polling

polling attributes

```
GET /axapi/v3/sflow/polling
Reponse:
{
```

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```
    "polling": {
        "eth-list": [
            {
                "eth-start": 1,
                "eth-end": 1
            }
        ],
        "cpu-usage": 0,
        "http-counter": 0,
        "uuid": "62289d2e-60aa-11d9-b2a5-7f64d67a548c",
        "a10-url": "/axapi/v3/sflow/polling"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/polling

polling attributes

Replace Object

PUT

/axapi/v3/sflow/polling

polling attributes

```
PUT /axapi/v3/sflow/polling
Payload:
{
    "polling": {
        "eth-list": [
            {
                "eth-start": 2,
                "eth-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/polling

polling attributes

```
DELETE /axapi/v3/sflow/polling
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

polling attributes

cpu-usage

Description Polling CPU usage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-list

Type: List

http-counter

Description Polling HTTP counters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

eth-list

Specification	
Type	*list*
Block object keys	

eth-end

Description Ethernet interface to sample

Type: number

Format: interface

eth-start

Description Ethernet interface to sample

Type: number

Format: interface

ve-list

Specification	
Type	*list*
Block object keys	

ve-end

Description VE interface to sample

Type: number

Refernce Object: */axapi/v3/interface/ve*

ve-start

Description VE interface to sample

Type: number

Refernce Object: */axapi/v3/interface/ve*

2.90.9 sflow sampling

Configure sFlow sampling on specified interfaces

sampling Specification

Type	*Configuration Resource*
Element Name	sampling
Element URI	/axapi/v3/sflow/sampling
Element Attributes	sampling_attributes
Schema	`sampling schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/sampling

sampling attributes

```
POST /axapi/v3/sflow/sampling
Payload:
{
    "sampling": {
        "eth-list": [
            {
                "eth-start": 1,
                "eth-end": 1
            }
        ]
```

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```
    }
}
```

Get Object

GET

/axapi/v3/sflow/sampling

sampling attributes

```
GET /axapi/v3/sflow/sampling
Reponse:
{
    "sampling": {
        "eth-list": [
            {
                "eth-start": 1,
                "eth-end": 1
            }
        ],
        "uuid": "e2ce8fd0-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/sflow/sampling"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/sampling

sampling attributes

Replace Object

PUT

/axapi/v3/sflow/sampling

sampling attributes

```
PUT /axapi/v3/sflow/sampling
Payload:
{
    "sampling": {
        "eth-list": [
            {
                "eth-start": 2,
                "eth-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/sampling

sampling attributes

```
DELETE /axapi/v3/sflow/sampling
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sampling attributes

eth-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

eth-list

Specification	
Type	*list*
Block object keys	

eth-end

Description Ethernet interface to sample

Type: number

Format: interface

eth-start

Description Ethernet interface to sample

Type: number

Format: interface

ve-list

Specification	
Type	*list*
Block object keys	

ve-end

Description VE interface to sample

Type: number

Refernce Object: */axapi/v3/interface/ve*

ve-start

Description VE interface to sample

Type: number

Refernce Object: */axapi/v3/interface/ve*

2.90.10 sflow setting

Configure sFlow

setting Specification

Type	*Configuration Resource*
Element Name	setting
Element URI	/axapi/v3/sflow/setting
Element Attributes	setting_attributes
Schema	`setting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/setting

setting attributes

```
POST /axapi/v3/sflow/setting
Payload:
{
    "setting": {
        "max-header": 14
    }
}
```

Get Object

GET

/axapi/v3/sflow/setting

setting attributes

```
GET /axapi/v3/sflow/setting
Reponse:
{
    "setting": {
        "max-header": 14,
        "source-ip-use-mgmt": 0,
        "packet-sampling-rate": 1000,
        "counter-polling-interval": 10,
        "local-collection": 0,
        "uuid": "e2ce8d6e-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/sflow/setting"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/setting

setting attributes

Replace Object

PUT

/axapi/v3/sflow/setting

setting attributes

```
PUT /axapi/v3/sflow/setting
Payload:
{
    "setting": {
        "max-header": 15
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/setting

setting attributes

```
DELETE /axapi/v3/sflow/setting
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

setting attributes

counter-polling-interval

Description sFlow counter polling interval, default is 20

Type: number

Range: 1-200

Default: 10

local-collection

Description 'enable': Enable local sflow collection; 'disable': Disable local sflow collection;

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header

Description Configure maximum number of bytes that should be copied from a sampled packet (default: 128) (The maximum number of bytes (Default: 128))

Type: number

Range: 14-512

Default: 128

packet-sampling-rate

Description sFlow packet sampling rate, default is 1000

Type: number

Range: 10-1000000

Default: 1000

source-ip-use-mgmt

Description Use management interface's IP address for source IP of sFlow packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.11 sflow source-address

Specify source address of sFlow packet

source-address Specification

Type	*Configuration Resource*
Element Name	source-address
Element URI	/axapi/v3/sflow/source-address
Element Attributes	source-address_attributes
Schema	`source-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/source-address

source-address attributes

```
POST /axapi/v3/sflow/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/sflow/source-address

source-address attributes

```
GET /axapi/v3/sflow/source-address
Reponse:
{
    "source-address": {
        "ip": "3.3.3.3",
        "uuid": "e7171556-6046-11d9-9277-001fa00680a0",
        "a10-url": "/axapi/v3/sflow/source-address"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/source-address

source-address attributes

Replace Object

PUT

/axapi/v3/sflow/source-address

source-address attributes

```
PUT /axapi/v3/sflow/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/source-address

source-address attributes

```
DELETE /axapi/v3/sflow/source-address
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

source-address attributes

ip

Description Source IPv4 address

Type: string

Format: ipv4-address

ipv6

Description Source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.91 single-board-mode

Objects:

2.91.1 single-board-mode

chassis single board mode config

single-board-mode Specification

Type	*Configuration Resource*
Element Name	single-board-mode
Element URI	/axapi/v3/single-board-mode
Element Attributes	single-board-mode_attributes
Schema	`single-board-mode schema`

Operations Allowed:

Create Object

POST

/axapi/v3/single-board-mode

single-board-mode attributes

Get Object

GET

/axapi/v3/single-board-mode

single-board-mode attributes

Modify Object

POST

/axapi/v3/single-board-mode

single-board-mode attributes

Replace Object

PUT

/axapi/v3/single-board-mode

single-board-mode attributes

Delete Object

DELETE

/axapi/v3/single-board-mode

single-board-mode attributes

single-board-mode attributes

fallback

Description Run the chasis in single board mode if no communication with the blade board.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fallback and forced are mutually exclusive

forced

Description Run the chasis in single board mode only.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forced and fallback are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92 slb

Objects:

2.92.1 slb

SLB related commands

slb Specification

Type	*Intermediate Resource*
Element Name	slb
Element URI	/axapi/v3/slb
Element Attributes	slb_attributes
Schema	`slb schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb

slb_attributes

slb attributes

ac-class-list-list

Type: List

Refernce Object: */axapi/v3/slb/ac-class-list/{name}*

aflex

Description: aflex is a **JSON Block**. Please see below for *aflex*

Type: Object

Refernce Object: */axapi/v3/slb/aflex*

aflex-log

Description: aflex-log is a **JSON Block**. Please see below for *aflex-log*

Type: Object

Refernce Object: */axapi/v3/slb/aflex-log*

aflow

Description: aflow is a **JSON Block**. Please see below for *aflow*

Type: Object

Refernce Object: */axapi/v3/slb/aflow*

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Refernce Object: */axapi/v3/slb/common*

connection-reuse

Description: connection-reuse is a **JSON Block**. Please see below for *connection-reuse*

Type: Object

Refernce Object: */axapi/v3/slb/connection-reuse*

crl-srcip

Description: crl-srcip is a **JSON Block**. Please see below for *crl-srcip*

Type: Object

Refernce Object: */axapi/v3/slb/crl-srcip*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Refernce Object: */axapi/v3/slb/dns*

dns-cache

Description: dns-cache is a **JSON Block**. Please see below for *dns-cache*

Type: Object

Refernce Object: */axapi/v3/slb/dns-cache*

dns-response-rate-limiting

Description: dns-response-rate-limiting is a **JSON Block**. Please see below for *dns-response-rate-limiting*

Type: Object

Refernce Object: */axapi/v3/slb/dns-response-rate-limiting*

domain-list-info

Description: domain-list-info is a **JSON Block**. Please see below for *domain-list-info*

Type: Object

Refernce Object: */axapi/v3/slb/domain-list-info*

ecmp

Description: ecmp is a **JSON Block**. Please see below for *ecmp*

Type: Object

Refernce Object: */axapi/v3/slb/ecmp*

fast-http-proxy

Description: fast-http-proxy is a **JSON Block**. Please see below for *fast-http-proxy*

Type: Object

Refernce Object: */axapi/v3/slb/fast-http-proxy*

fix

Description: fix is a **JSON Block**. Please see below for *fix*

Type: Object

Refernce Object: */axapi/v3/slb/fix*

ftp-ctl

Description: ftp-ctl is a **JSON Block**. Please see below for *ftp-ctl*

Type: Object

Refernce Object: */axapi/v3/slb/ftp-ctl*

ftp-data

Description: ftp-data is a **JSON Block**. Please see below for *ftp-data*

Type: Object

Refernce Object: */axapi/v3/slb/ftp-data*

ftp-proxy

Description: ftp-proxy is a **JSON Block**. Please see below for *ftp-proxy*

Type: Object

Refernce Object: */axapi/v3/slb/ftp-proxy*

generic-proxy

Description: generic-proxy is a **JSON Block**. Please see below for *generic-proxy*

Type: Object

Refernce Object: */axapi/v3/slb/generic-proxy*

health-check-details

Description: health-check-details is a **JSON Block**. Please see below for *health-check-details*

Type: Object

Refernce Object: */axapi/v3/slb/health-check-details*

health-check-summary

Description: health-check-summary is a **JSON Block**. Please see below for *health-check-summary*

Type: Object

Refernce Object: */axapi/v3/slb/health-check-summary*

health-down-reason

Description: health-down-reason is a **JSON Block**. Please see below for *health-down-reason*

Type: Object

Refernce Object: */axapi/v3/slb/health-down-reason*

health-gateway

Description: health-gateway is a **JSON Block**. Please see below for *health-gateway*

Type: Object

Refernce Object: */axapi/v3/slb/health-gateway*

health-monitor

Description: health-monitor is a **JSON Block**. Please see below for *health-monitor*

Type: Object

Refernce Object: */axapi/v3/slb/health-monitor*

health-stat

Description: health-stat is a **JSON Block**. Please see below for *health-stat*

Type: Object

Refernce Object: */axapi/v3/slb/health-stat*

health-up-reason

Description: health-up-reason is a **JSON Block**. Please see below for *health-up-reason*

Type: Object

Refernce Object: */axapi/v3/slb/health-up-reason*

http-proxy

Description: http-proxy is a **JSON Block**. Please see below for *http-proxy*

Type: Object

Refernce Object: */axapi/v3/slb/http-proxy*

http2

Description: http2 is a **JSON Block**. Please see below for *http2*

Type: Object

Refernce Object: */axapi/v3/slb/http2*

hw-compress

Description: hw-compress is a **JSON Block**. Please see below for *hw-compress*

Type: Object

Refernce Object: */axapi/v3/slb/hw-compress*

icap

Description: icap is a **JSON Block**. Please see below for *icap*

Type: Object

Refernce Object: */axapi/v3/slb/icap*

icap_http

Description: icap_http is a **JSON Block**. Please see below for *icap_http*

Type: Object

Refernce Object: */axapi/v3/slb/icap_http*

imap-proxy

Description: imap-proxy is a **JSON Block**. Please see below for *imap-proxy*

Type: Object

Refernce Object: */axapi/v3/slb/imap-proxy*

ip-dns-cache

Description: ip-dns-cache is a **JSON Block**. Please see below for *ip-dns-cache*

Type: Object

Refernce Object: */axapi/v3/slb/ip-dns-cache*

ipv6-class-list-list

Type: List

Refernce Object: */axapi/v3/slb/ipv6-class-list/{name}*

l4

Description: l4 is a **JSON Block**. Please see below for *l4*

Type: Object

Refernce Object: */axapi/v3/slb/l4*

l7session

Description: l7session is a **JSON Block**. Please see below for *l7session*

Type: Object

Refernce Object: */axapi/v3/slb/l7session*

link-probe

Description: link-probe is a **JSON Block**. Please see below for *link-probe*

Type: Object

Refernce Object: */axapi/v3/slb/link-probe*

mlb

Description: mlb is a **JSON Block**. Please see below for *mlb*

Type: Object

Refernce Object: */axapi/v3/slb/mlb*

mqtt

Description: mqtt is a **JSON Block**. Please see below for *mqtt*

Type: Object

Refernce Object: */axapi/v3/slb/mqtt*

mssql

Description: mssql is a **JSON Block**. Please see below for *mssql*

Type: Object

Refernce Object: */axapi/v3/slb/mssql*

mysql

Description: mysql is a **JSON Block**. Please see below for *mysql*

Type: Object

Refernce Object: */axapi/v3/slb/mysql*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *passthrough*

Type: Object

Refernce Object: */axapi/v3/slb/passthrough*

perf

Description: perf is a **JSON Block**. Please see below for *perf*

Type: Object

Refernce Object: */axapi/v3/slb/perf*

persist

Description: persist is a **JSON Block**. Please see below for *persist*

Type: Object

Refernce Object: */axapi/v3/slb/persist*

player-id-ep

Description: player-id-ep is a **JSON Block**. Please see below for *player-id-ep*

Type: Object

Refernce Object: */axapi/v3/slb/player-id-ep*

player-id-global

Description: player-id-global is a **JSON Block**. Please see below for *player-id-global*

Type: Object

Refernce Object: */axapi/v3/slb/player-id-global*

player-id-list

Description: player-id-list is a **JSON Block**. Please see below for *player-id-list*

Type: Object

Refernce Object: */axapi/v3/slb/player-id-list*

pop3-proxy

Description: pop3-proxy is a **JSON Block**. Please see below for *pop3-proxy*

Type: Object

Refernce Object: */axapi/v3/slb/pop3-proxy*

proxy

Description: proxy is a **JSON Block**. Please see below for *proxy*

Type: Object

Refernce Object: */axapi/v3/slb/proxy*

rate-limit-log

Description: rate-limit-log is a **JSON Block**. Please see below for *rate-limit-log*

Type: Object

Refernce Object: */axapi/v3/slb/rate-limit-log*

rc-cache-global

Description: rc-cache-global is a **JSON Block**. Please see below for *rc-cache-global*

Type: Object

Refernce Object: */axapi/v3/slb/rc-cache-global*

reset-unknown-conn

Description: reset-unknown-conn is a **JSON Block**. Please see below for *reset-unknown-conn*

Type: Object

Refernce Object: */axapi/v3/slb/reset-unknown-conn*

resource-usage

Description: resource-usage is a **JSON Block**. Please see below for *resource-usage*

Type: Object

Refernce Object: */axapi/v3/slb/resource-usage*

rpz

Description: rpz is a **JSON Block**. Please see below for *rpz*

Type: Object

Refernce Object: */axapi/v3/slb/rpz*

server-group-list

Type: List

Refernce Object: */axapi/v3/slb/server-group/{name}*

server-list

Type: List

Refernce Object: */axapi/v3/slb/server/{name}*

server-ssl-counters

Description: server-ssl-counters is a **JSON Block**. Please see below for *server-ssl-counters*

Type: Object

Refernce Object: */axapi/v3/slb/server-ssl-counters*

service-group-list

Type: List

Refernce Object: */axapi/v3/slb/service-group/{name}*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Refernce Object: */axapi/v3/slb/sip*

smpp

Description: smpp is a **JSON Block**. Please see below for *smpp*

Type: Object

Refernce Object: */axapi/v3/slb/smpp*

smtp

Description: smtp is a **JSON Block**. Please see below for *smtp*

Type: Object

Refernce Object: */axapi/v3/slb/smtp*

spdy-proxy

Description: spdy-proxy is a **JSON Block**. Please see below for *spdy-proxy*

Type: Object

Refernce Object: */axapi/v3/slb/spdy-proxy*

sport-rate-limit

Description: sport-rate-limit is a **JSON Block**. Please see below for *sport-rate-limit*

Type: Object

Refernce Object: */axapi/v3/slb/sport-rate-limit*

ssl

Description: ssl is a **JSON Block**. Please see below for *ssl*

Type: Object

Refernce Object: */axapi/v3/slb/ssl*

ssl-acme-cert-log

Description: ssl-acme-cert-log is a **JSON Block**. Please see below for *ssl-acme-cert-log*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-acme-cert-log*

ssl-acme-cert-status

Description: ssl-acme-cert-status is a **JSON Block**. Please see below for *ssl-acme-cert-status*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-acme-cert-status*

ssl-ca-cert

Description: ssl-ca-cert is a **JSON Block**. Please see below for *ssl-ca-cert*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-ca-cert*

ssl-cert

Description: ssl-cert is a **JSON Block**. Please see below for *ssl-cert*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-cert*

ssl-cert-expire-check

Description: ssl-cert-expire-check is a **JSON Block**. Please see below for *ssl-cert-expire-check*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-cert-expire-check*

ssl-cert-pinning-candidate-list

Description: ssl-cert-pinning-candidate-list is a **JSON Block**. Please see below for *ssl-cert-pinning-candidate-list*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-cert-pinning-candidate-list*

ssl-cert-revoke

Description: ssl-cert-revoke is a **JSON Block**. Please see below for *ssl-cert-revoke*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-cert-revoke*

ssl-cert-stats

Description: ssl-cert-stats is a **JSON Block**. Please see below for *ssl-cert-stats*

Type: Object

Refernce Object: /axapi/v3/slb/ssl-cert-stats

ssl-cmp-cert-log

Description: ssl-cmp-cert-log is a **JSON Block**. Please see below for *ssl-cmp-cert-log*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-cmp-cert-log*

ssl-cmp-cert-status

Description: ssl-cmp-cert-status is a **JSON Block**. Please see below for *ssl-cmp-cert-status*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-cmp-cert-status*

ssl-counters

Description: ssl-counters is a **JSON Block**. Please see below for *ssl-counters*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-counters*

ssl-crl

Description: ssl-crl is a **JSON Block**. Please see below for *ssl-crl*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-crl*

ssl-error

Description: ssl-error is a **JSON Block**. Please see below for *ssl-error*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-error*

ssl-expire-check

Description: ssl-expire-check is a **JSON Block**. Please see below for *ssl-expire-check*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-expire-check*

ssl-forward-proxy

Description: ssl-forward-proxy is a **JSON Block**. Please see below for *ssl-forward-proxy*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-forward-proxy*

ssl-forward-proxy-cert

Description: ssl-forward-proxy-cert is a **JSON Block**. Please see below for *ssl-forward-proxy-cert*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-forward-proxy-cert*

ssl-ocsp

Description: ssl-ocsp is a **JSON Block**. Please see below for *ssl-ocsp*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-ocsp*

ssl-stats

Description: ssl-stats is a **JSON Block**. Please see below for *ssl-stats*

Type: Object

Refernce Object: /axapi/v3/slb/ssl-stats

stat

Description: stat is a **JSON Block**. Please see below for *stat*

Type: Object

Refernce Object: */axapi/v3/slb/stat*

svm-source-nat

Description: svm-source-nat is a **JSON Block**. Please see below for *svm-source-nat*

Type: Object

Refernce Object: */axapi/v3/slb/svm-source-nat*

switch

Description: switch is a **JSON Block**. Please see below for *switch*

Type: Object

Refernce Object: */axapi/v3/slb/switch*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/slb/template*

transparent-acl-template

Description: transparent-acl-template is a **JSON Block**. Please see below for *transparent-acl-template*

Type: Object

Refernce Object: */axapi/v3/slb/transparent-acl-template*

transparent-tcp-template

Description: transparent-tcp-template is a **JSON Block**. Please see below for *transparent-tcp-template*

Type: Object

Refernce Object: */axapi/v3/slb/transparent-tcp-template*

virtual-server-list

Type: List

Refernce Object: */axapi/v3/slb/virtual-server/{name}*

rc-cache-global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rc-cache-global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Cache Hits; 'miss': Cache Misses; 'bytes_served': Bytes Served; 'total_req': Total Requests; 'caching_req': Cacheable Requests; 'nc_req_header': No-cache Request; 'nc_res_header': Not cacheable; 'rv_success': Revalidation Successes; 'rv_failure': Revalidation Failures; 'ims_request': IMS Requests; 'nm_response': Responses from cache 304 Not Modified; 'rsp_type_CL': Responses from server 200 OK - Cont Len; 'rsp_type_CE': Responses from server 200 OK - Chnk Enc; 'rsp_type_304': Responses from server 304 Not Modified; 'rsp_type_other': Responses from server 200 OK - Other; 'rsp_no_compress': Responses from cache 200 OK - No Comp; 'rsp_gzip': Responses from cache 200 OK - Gzip; 'rsp_deflate': Responses from cache 200 OK - Deflate; 'rsp_other': Responses from cache Other; 'nocache_match': Policy URI nocache; 'match': Policy URI cache; 'invalidate_match': Policy URI invalidate; 'content_toobig': Policy Content Too Big; 'content_toosmall': Policy Content Too Small; 'entry_create_failures': Entry Create failures; 'mem_size': Memory Used; 'entry_num': Entry Cached; 'replaced_entry': Entry Replaced; 'aging_entry': Entry Aged Out; 'cleaned_entry': Entry Cleaned;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream

imap-proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

imap-proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'feat': feat packet; 'cc': clear ctrl port packet; 'data_ssl': data ssl force; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'auth_tls': auth tls cmd; 'prot': prot cmd; 'pbsz': pbsz cmd; 'pasv': pasv cmd; 'port': port cmd; 'request_dont_care': other cmd; 'client_auth_tls': client auth tls; 'cant_find_pasv': cant find pasv; 'pasv_addr_ne_server': psv addr not equal to svr; 'smp_create_fail': smp create fail; 'data_server_conn_fail': data svr conn fail; 'data_send_fail': data send fail; 'epsv': epsv command; 'cant_find_epsv': cant find epsv; 'data_curr': Current Data Proxy; 'data_total': Total Data Proxy; 'auth_unsupported': Unsupported auth; 'adat': adat cmd; 'unsupported_pbsz_value': Unsupported PBSZ; 'unsupported_prot_value': Unsupported PROT; 'unsupported_command': Unsupported cmd; 'control_to_clear': Control chn clear txt; 'control_to_ssl': Control chn ssl; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'data_conn_start_err': Data Start state error; 'data_serv_connecting_err': Data Serv CTNG error; 'data_serv_connected_err': Data Serv CTED error; 'request': Total FTP Request; 'capability': Capability cmd; 'start_tls': Total Start TLS cmd; 'login': Total Login cmd;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, feat, cc, data_ssl, line_too_long, line_mem_freed, invalid_start_line, auth_tls, prot, pbsz, pasv, port, request_dont_care, client_auth_tls, cant_find_pasv, pasv_addr_ne_server, smp_create_fail, data_server_conn_fail, data_send_fail, epsv, cant_find_epsv, data_curr, data_total,

auth_unsupported, adat, unsupported_pbsz_value, unsupported_prot_value, unsupported_command, control_to_clear, control_to_ssl, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, data_conn_start_err, data_serv_connecting_err, data_serv_connected_err, request, capability, start_tls, login, realloc_error, alloc_error, boundary_error, negative_error

ssl-cert-stats

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mysql

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mysql_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_be_enc': Curr BE Encryption Conns; 'total_be_enc': Total BE Encryption Conns; 'curr_fe_enc': Curr FE Encryption Conns; 'total_fe_enc': Total FE Encryption Conns;

'client_fin': Client FIN; 'server_fin': Server FIN; 'session_err': Session err; 'queries': DB Queries; 'commands': DB commands reply;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_be_enc, total_be_enc, curr_fe_enc, total_fe_enc, client_fin, server_fin, session_err, queries, commands

aflex

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spdy-proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spdy-proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_http_proxy': Curr HTTP Proxy Conns; 'total_http_proxy': Total HTTP Proxy Conns; 'total_v2_proxy': Version 2 Streams; 'total_v3_proxy': Version 3 Streams; 'curr_stream': Curr Streams; 'total_stream': Total Streams; 'total_stream_succ': Streams(succ); 'client_rst': client_rst; 'server_rst': Server RST sent; 'client_goaway': client_goaway; 'server_goaway': Server GOAWAY sent; 'tcp_err': TCP sock error; 'inflate_ctx': Inflate context; 'deflate_ctx': Deflate context; 'ping_sent': PING sent; 'stream_not_found': STREAM not found; 'client_fin': Client FIN; 'server_fin': Server FIN; 'stream_close': Stream close; 'stream_err': Stream err; 'session_err': Session err; 'control_frame': Control frame received; 'syn_frame': SYN stream frame received; 'syn_reply_frame': SYN reply frame received; 'headers_frame': Headers frame received; 'settings_frame': Setting frame received; 'window_frame': Window update frame received; 'ping_frame': Ping frame received; 'data_frame': Data frame received; 'data_no_stream': Data no stream found; 'data_no_stream_no_goaway': Data no stream and no goaway; 'data_no_stream_goaway_close': Data no stream and no goaway and close session; 'est_cb_no_tuple': Est callback no tuple; 'data_cb_no_tuple': Data callback no tuple; 'ctx_alloc_fail': Context alloc fail; 'fin_close_session': FIN close session; 'server_rst_close_stream': Server RST close stream; 'stream_found': Stream found; 'close_stream_session_not_found': Close stream session not found; 'close_stream_stream_not_found': Close stream stream not found; 'close_stream_already_closed': Closing closed stream; 'close_stream_session_close': Stream close session close; 'close_session_already_closed': Closing closed session; 'max_concurrent_stream_limit': Max concurrent stream limit; 'stream_alloc_fail': Stream alloc fail; 'http_conn_alloc_fail': HTTP connection allocation fail; 'request_header_alloc_fail': Request/Header allocation fail; 'name_value_total_len_ex': Name value total length exceeded; 'name_value_zero_len': Name value zero name length; 'name_value_invalid_http_ver': Name value invalid http version; 'name_value_connection': Name value connection; 'name_value_keepalive': Name value keep alive; 'name_value_proxy_conn': Name value proxy-connection; 'name_value_trasnfer_encod': Name value transfer encoding; 'name_value_no_must_have': Name value no must have; 'decompress_fail': Decompress fail; 'syn_after_goaway': SYN after goaway; 'stream_lt_prev': Stream id less than previous; 'syn_stream_exist_or_even': Stream already exists; 'syn_unidir': Unidirectional SYN; 'syn_reply_alr_rcvd': SYN reply already received; 'client_rst_nostream': Close RST stream not found; 'window_no_stream': Window update no stream found; 'invalid_window_size': Invalid window size; 'unknown_control_frame': Unknown control frame; 'data_on_closed_stream': Data on closed stream; 'invalid_frame_size': Invalid frame size; 'invalid_version': Invalid version; 'header_after_session_close': Header after session close; 'compress_ctx_alloc_fail': Compression context allocation fail; 'header_compress_fail': Header compress fail; 'http_data_session_close': HTTP data session close; 'http_data_stream_not_found': HTTP data stream not found; 'close_stream_not_http_proxy': Close Stream not http-proxy; 'session_needs_requeue': Session needs requeue; 'new_stream_session_del': New Stream after Session delete; 'fin_stream_closed': HTTP FIN stream already closed; 'http_close_stream_closed': HTTP close stream already closed; 'http_err_stream_closed': HTTP error stream already closed; 'http_hdr_stream_close': HTTP header stream already closed; 'http_data_stream_close': HTTP data stream already closed; 'session_close': Session close;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_http_proxy, total_http_proxy, total_v2_proxy, total_v3_proxy, curr_stream, total_stream, total_stream_succ, client_rst, server_rst, client_goaway, server_goaway, tcp_err, inflate_ctx, deflate_ctx, ping_sent, stream_not_found, client_fin, server_fin, stream_close, stream_err, session_err, control_frame, syn_frame, syn_reply_frame, headers_frame, settings_frame, window_frame, ping_frame, data_frame, data_no_stream, data_no_stream_no_goaway, data_no_stream_goaway_close, est_cb_no_tuple, data_cb_no_tuple, ctx_alloc_fail, fin_close_session, server_rst_close_stream, stream_found, close_stream_session_not_found, close_stream_stream_not_found, close_stream_already_closed, close_stream_session_close, close_session_already_closed, max_concurrent_stream_limit, stream_alloc_fail, http_conn_alloc_fail, request_header_alloc_fail, name_value_total_len_ex, name_value_zero_len, name_value_invalid_http_ver, name_value_connection, name_value_keepalive, name_value_proxy_conn, name_value_trasnfer_encod, name_value_no_must_have, decompress_fail, syn_after_goaway, stream_lt_prev, syn_stream_exist_or_even, syn_unidir, syn_reply_alr_rcvd, client_rst_nostream, window_no_stream, invalid_window_size, unknown_control_frame, data_on_closed_stream, invalid_frame_size, invalid_version, header_after_session_close, compress_ctx_alloc_fail, header_compress_fail, http_data_session_close, http_data_stream_not_found, close_stream_not_http_proxy, session_needs_requeue, new_stream_session_del, fin_stream_closed, http_close_stream_closed, http_err_stream_closed, http_hdr_stream_close, http_data_stream_close, session_close

fix

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fix_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'svrsel_fail': Server selection failure; 'noroute': No route failure; 'snat_fail': Source NAT failure; 'client_err': Client fail; 'server_err': Server fail; 'insert_clientip': Insert client

IP; 'default_switching': Default switching; 'sender_switching': Sender ID switching; 'target_switching': Target ID switching;

Type: string

Supported Values: all, curr_proxy, total_proxy, svrsel_fail, noroute, snat_fail, client_err, server_err, insert_clientip, default_switching, sender_switching, target_switching, client_tls_conn, server_tls_conn

mqtt

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mqtt_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'recv_mqtt_connect': MQTT Connect; 'recv_mqtt_connack': MQTT Connack; 'recv_mqtt_publish': MQTT Publish; 'recv_mqtt_puback': MQTT Puback; 'recv_mqtt_pubrec': MQTT Pubrec; 'recv_mqtt_pubrel': MQTT Pubrel; 'recv_mqtt_pubcomp': MQTT Pubcomp; 'recv_mqtt_subscribe': MQTT Subscribe; 'recv_mqtt_suback': MQTT Suback; 'recv_mqtt_unsubscribe': MQTT Unsubscribe; 'recv_mqtt_unsuback': MQTT Unsuback; 'recv_mqtt_pingreq': MQTT Pingreq; 'recv_mqtt_pingresp': MQTT Pingresp; 'recv_mqtt_disconnect': MQTT Disconnect; 'recv_mqtt_auth': MQTT Auth; 'recv_mqtt_other': MQTT Unknown; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'request': Total MQTT Commands; 'parse_connect_fail': Parse connect failure; 'parse_publish_fail': Parse publish failure; 'parse_subscribe_fail': Parse subscribe failure; 'parse_unsubscribe_fail': Parse unsubscribe failure; 'tuple_not_linked': tuple-not-linked failure; 'tuple_already_linked': tuple-already-linked failure; 'conn_null': Null conn; 'client_id_null': Null client id; 'session_exist': Session already exist; 'insertion_failed': Insertion failure; 'insertion_successful': Insertion successful;

Type: string

Supported Values: all, recv_mqtt_connect, recv_mqtt_connack, recv_mqtt_publish, recv_mqtt_puback, recv_mqtt_pubrec, recv_mqtt_pubrel, recv_mqtt_pubcomp,

recv_mqtt_subscribe, recv_mqtt_suback, recv_mqtt_unsubscribe, recv_mqtt_unsuback, recv_mqtt_pingreq, recv_mqtt_pingresp, recv_mqtt_disconnect, recv_mqtt_auth, recv_mqtt_other, curr_proxy, total_proxy, request, parse_connect_fail, parse_publish_fail, parse_subscribe_fail, parse_unsubscribe_fail, tuple_not_linked, tuple_already_linked, conn_null, client_id_null, session_exist, insertion_failed, insertion_successful

health-check-summary

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hash_tbl_trylock_fail': Hash tbl lock fail; 'hash_tbl_create_ok': Hash tbl create ok; 'hash_tbl_create_fail': Hash tbl create fail; 'hash_tbl_free': Hash tbl free; 'hash_tbl_rst_updown': Hash tbl reset (up/down); 'hash_tbl_rst_adddel': Hash tbl reset (add/del); 'url_hash_pri': URL hash persist (pri); 'url_hash_enqueue': URL hash persist (enQ); 'url_hash_sec': URL hash persist (sec); 'url_hash_fail': URL hash persist

fail; 'header_hash_pri': Header hash persist(pri); 'header_hash_enqueue': Header hash persist(enQ); 'header_hash_sec': Header hash persist(sec); 'header_hash_fail': Header hash persist fail; 'src_ip': SRC IP persist ok; 'src_ip_enqueue': SRC IP persist enqueue; 'src_ip_fail': SRC IP persist fail; 'src_ip_new_sess_cache': SRC IP new sess (cache); 'src_ip_new_sess_cache_fail': SRC IP new sess fail (c); 'src_ip_new_sess_sel': SRC IP new sess (select); 'src_ip_new_sess_sel_fail': SRC IP new sess fail (s); 'src_ip_hash_pri': SRC IP hash persist(pri); 'src_ip_hash_enqueue': SRC IP hash persist(enQ); 'src_ip_hash_sec': SRC IP hash persist(sec); 'src_ip_hash_fail': SRC IP hash persist fail; 'src_ip_enforce': Enforce higher priority; 'dst_ip': DST IP persist ok; 'dst_ip_enqueue': DST IP persist enqueue; 'dst_ip_fail': DST IP persist fail; 'dst_ip_new_sess_cache': DST IP new sess (cache); 'dst_ip_new_sess_cache_fail': DST IP new sess fail (c); 'dst_ip_new_sess_sel': DST IP new sess (select); 'dst_ip_new_sess_sel_fail': DST IP new sess fail (s); 'dst_ip_hash_pri': DST IP hash persist(pri); 'dst_ip_hash_enqueue': DST IP hash persist(enQ); 'dst_ip_hash_sec': DST IP hash persist(sec); 'dst_ip_hash_fail': DST IP hash persist fail; 'cssl_sid_not_found': Client SSL SID not found; 'cssl_sid_match': Client SSL SID match; 'cssl_sid_not_match': Client SSL SID not match; 'sssl_sid_not_found': Server SSL SID not found; 'sssl_sid_reset': Server SSL SID reset; 'sssl_sid_match': Server SSL SID match; 'sssl_sid_not_match': Server SSL SID not match; 'ssl_sid_persist_ok': SSL SID persist ok; 'ssl_sid_persist_fail': SSL SID persist fail; 'ssl_sid_session_ok': Create SSL SID ok; 'ssl_sid_session_fail': Create SSL SID fail; 'cookie_persist_ok': Cookie persist ok; 'cookie_persist_fail': Cookie persist fail; 'cookie_not_found': Persist cookie not found; 'cookie_pass_thru': Persist cookie Pass-thru; 'cookie_invalid': Invalid persist cookie;

Type: string

Supported Values: all, hash_tbl_trylock_fail, hash_tbl_create_ok, hash_tbl_create_fail, hash_tbl_free, hash_tbl_rst_updown, hash_tbl_rst_adddel, url_hash_pri, url_hash_enqueue, url_hash_sec, url_hash_fail, header_hash_pri, header_hash_enqueue, header_hash_sec, header_hash_fail, src_ip, src_ip_enqueue, src_ip_fail, src_ip_new_sess_cache, src_ip_new_sess_cache_fail, src_ip_new_sess_sel, src_ip_new_sess_sel_fail, src_ip_hash_pri, src_ip_hash_enqueue, src_ip_hash_sec, src_ip_hash_fail, src_ip_enforce, dst_ip, dst_ip_enqueue, dst_ip_fail, dst_ip_new_sess_cache, dst_ip_new_sess_cache_fail, dst_ip_new_sess_sel, dst_ip_new_sess_sel_fail, dst_ip_hash_pri, dst_ip_hash_enqueue, dst_ip_hash_sec, dst_ip_hash_fail, cssl_sid_not_found, cssl_sid_match, cssl_sid_not_match, sssl_sid_not_found, sssl_sid_reset, sssl_sid_match, sssl_sid_not_match, ssl_sid_persist_ok, ssl_sid_persist_fail, ssl_sid_session_ok, ssl_sid_session_fail, cookie_persist_ok, cookie_persist_fail, cookie_not_found, cookie_pass_thru, cookie_invalid

generic-proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

generic-proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Number; 'curr': Current; 'total': Total; 'svrsel_fail': Number of server selection failed; 'no_route': Number of no routes; 'snat_fail': Number of snat failures; 'client_fail': Number of client failures; 'server_fail': Number of server failures; 'no_sess': Number of no sessions; 'user_session': Number of user sessions; 'acr_out': Number of ACRs out; 'acr_in': Number of ACRs in; 'aca_out': Number of ACAs out; 'aca_in': Number of ACAs in; 'cea_out': Number of CEAs out; 'cea_in': Number of CEAs in; 'cer_out': Number of CERs out; 'cer_in': Number of CERs in; 'dwr_out': Number of DWRs out; 'dwr_in': Number of DWRs in; 'dwa_out': Number of DWAs out; 'dwa_in': Number of DWAs in; 'str_out': Number of STRs out; 'str_in': Number of STRs in; 'sta_out': Number of STAs out; 'sta_in': Number of STAs in; 'asr_out': Number of ASRs out; 'asr_in': Number of ASRs in; 'asa_out': Number of ASAs out; 'asa_in': Number of ASAs in; 'other_out': Number of other messages out; 'other_in': Number of other messages in; 'total_http_req_enter_gen': Total number of HTTP requests enter generic proxy;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, client_fail, server_fail, no_sess, user_session, acr_out, acr_in, aca_out, aca_in, cea_out, cea_in, cer_out, cer_in, dwr_out, dwr_in, dwa_out, dwa_in, str_out, str_in, sta_out, sta_in, asr_out, asr_in, asa_out, asa_in, other_out, other_in, total_http_req_enter_gen, mismatch_fwd_id, mismatch_rev_id, unkwn_cmd_code, no_session_id, no_fwd_tuple, no_rev_tuple, dcmsg_fwd_in, dcmsg_fwd_out, dcmsg_rev_in, dcmsg_rev_out, dcmsg_error, retry_client_request, retry_client_request_fail, reply_unknown_session_id, ccr_out, ccr_in, cca_out, cca_in, ccr_i, ccr_u, ccr_t, cca_t, terminate_on_cca_t, forward_unknown_session_id, update_latest_server, client_select_fail, close_conn_when_vport_down, invalid_avp, reselect_fwd_tuple, reselect_fwd_tuple_other_cpu, reselect_rev_tuple, conn_closed_by_client, conn_closed_by_server, reply_invalid_avp_value, reply_unable_to_deliver, reply_error_info_fail, dpr_out, dpr_in, dpa_out, dpa_in

http-proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'req': HTTP requests; 'req_succ': HTTP requests(succ); 'noproxy': No proxy error; 'client_rst': Client RST; 'server_rst': Server RST; 'notuple': No tuple error; 'parsereq_fail': Parse req fail; 'svrsel_fail': Server selection fail; 'fwdreq_fail': Fwd req fail; 'fwdreq_fail_buff': Fwd req fail - buff; 'fwdreq_fail_rport': Fwd req fail - rport; 'fwdreq_fail_route': Fwd req fail - route; 'fwdreq_fail_persist': Fwd req fail - persist; 'fwdreq_fail_server': Fwd req fail - server; 'fwdreq_fail_tuple': Fwd req fail - tuple; 'fwdreqdata_fail': fwdreqdata_fail; 'req_retran': Packets retrans; 'req_ofo': Packets ofo; 'server_resel': Server reselection; 'svr_prem_close': Server premature close; 'new_svrconn': Server conn made; 'snat_fail': Source NAT failure; 'tcpoutrst': Out RSTs; 'full_proxy': Full proxy tot; 'full_proxy_post': Full proxy POST; 'full_proxy_pipeline': Full proxy pipeline; 'full_proxy_fpga_err': Full proxy fpga err; 'req_over_limit': Request over limit; 'req_rate_over_limit': Request rate over limit; 'l4_switching': L4 switching; 'cookie_switching': Cookie switching; 'aflex_switching': aFleX switching; 'http_policy_switching': HTTP Policy switching; 'url_switching': URL switching; 'host_switching': Host switching; 'lb_switching': Normal LB switching; 'l4_switching_ok': L4 switching (succ); 'cookie_switching_ok': Cookie switching (succ); 'aflex_switching_ok': aFleX switching (succ); 'http_policy_switching_ok': HTTP Policy switching (succ); 'url_switching_ok': URL switching (succ); 'host_switching_ok': Host switching (succ); 'lb_switching_ok': Normal LB switch. (succ); 'l4_switching_enqueue': L4 switching (enQ); 'cookie_switching_enqueue': Cookie switching (enQ); 'aflex_switching_enqueue': aFleX switching (enQ); 'http_policy_switching_enqueue': HTTP Policy switching (enQ); 'url_switching_enqueue': URL switching (enQ); 'host_switching_enqueue': Host switching (enQ); 'lb_switching_enqueue': Normal LB switch. (enQ); 'retry_503': Retry on 503; 'aflex_retry': aFleX http retry; 'aflex_lb_reselect': aFleX lb reselect; 'aflex_lb_reselect_ok': aFleX lb reselect (succ); 'client_rst_request': Client RST - request; 'client_rst_connecting': Client RST - connecting; 'client_rst_connected': Client RST - connected; 'client_rst_response': Client RST - response; 'server_rst_request': Server RST - request; 'server_rst_connecting': Server RST - connecting; 'server_rst_connected': Server RST - connected; 'server_rst_response': Server RST - response; 'invalid_header': Invalid header; 'too_many_headers': Too many headers; 'line_too_long': Line too long; 'header_name_too_long': Header name too long; 'wrong_resp_header': Wrong response header; 'header_insert': Header insert; 'header_delete': Header delete; 'insert_client_ip': Insert client IP; 'negative_req_remain': Negative request remain; 'negative_resp_remain': Negative response remain; 'large_cookie': Large cookies; 'large_cookie_header': Large cookie headers; 'huge_cookie': Huge cookies; 'huge_cookie_header': Huge cookie headers; 'parse_cookie_fail': Parse cookie fail; 'parse_setcookie_fail': Parse set-cookie fail; 'asm_cookie_fail': Assemble cookie fail; 'asm_cookie_header_fail': Asm cookie header fail; 'asm_setcookie_fail': Assemble set-cookie fail; 'asm_setcookie_header_fail': Asm set-cookie hdr fail; 'client_req_unexp_flag': Client req unexp flags; 'connecting_fin': Connecting FIN; 'connecting_fin_retrans': Connecting FIN retran; 'connecting_fin_ofo': Connecting FIN ofo; 'connecting_rst': Connecting RST; 'connecting_rst_retrans': Connecting RST retran; 'connecting_rst_ofo': Connecting RST ofo; 'connecting_ack': Connecting ACK; 'pkts_ofo': Packets ofo; 'pkts_retrans': Packets retrans; 'pkts_retrans_ack_finwait': retrans ACK FWAIT; 'pkts_retrans_fin': retrans FIN; 'pkts_retrans_rst': retrans RST; 'pkts_retrans_push': re-

trans PSH; 'stale_sess': Stale sess; 'server_resel_failed': Server re-select failed; 'compression_before': Tot data before compress; 'compression_after': Tot data after compress; 'response_1xx': Status code 1XX; 'response_100': Status code 100; 'response_101': Status code 101; 'response_102': Status code 102; 'response_2xx': Status code 2XX; 'response_200': Status code 200; 'response_201': Status code 201; 'response_202': Status code 202; 'response_203': Status code 203; 'response_204': Status code 204; 'response_205': Status code 205; 'response_206': Status code 206; 'response_207': Status code 207; 'response_3xx': Status code 3XX; 'response_300': Status code 300; 'response_301': Status code 301; 'response_302': Status code 302; 'response_303': Status code 303; 'response_304': Status code 304; 'response_305': Status code 305; 'response_306': Status code 306; 'response_307': Status code 307; 'response_4xx': Status code 4XX; 'response_400': Status code 400; 'response_401': Status code 401; 'response_402': Status code 402; 'response_403': Status code 403; 'response_404': Status code 404; 'response_405': Status code 405; 'response_406': Status code 406; 'response_407': Status code 407; 'response_408': Status code 408; 'response_409': Status code 409; 'response_410': Status code 410; 'response_411': Status code 411; 'response_412': Status code 412; 'response_413': Status code 413; 'response_414': Status code 414; 'response_415': Status code 415; 'response_416': Status code 416; 'response_417': Status code 417; 'response_418': Status code 418; 'response_422': Status code 422; 'response_423': Status code 423; 'response_424': Status code 424; 'response_425': Status code 425; 'response_426': Status code 426; 'response_449': Status code 449; 'response_450': Status code 450; 'response_5xx': Status code 5XX; 'response_500': Status code 500; 'response_501': Status code 501; 'response_502': Status code 502; 'response_503': Status code 503; 'response_504': Status code 504; 'response_505': Status code 505; 'response_506': Status code 506; 'response_507': Status code 507; 'response_508': Status code 508; 'response_509': Status code 509; 'response_510': Status code 510; 'response_6xx': Status code 6XX; 'response_unknown': Status code unknown; 'req_http10': Request 1.0; 'req_http11': Request 1.1; 'response_http10': Resp 1.0; 'response_http11': Resp 1.1; 'req_get': Method GET; 'req_head': Method HEAD; 'req_put': Method PUT; 'req_post': Method POST; 'req_trace': Method TRACE; 'req_options': Method OPTIONS; 'req_connect': Method CONNECT; 'req_delete': Method DELETE; 'req_unknown': Method UNKNOWN; 'req_content_len': Req content len; 'rsp_content_len': Resp content len; 'rsp_chunk': Resp chunk encoding; 'req_chunk': Req chunk encoding; 'compress_rsp': Compress req; 'compress_del_accept_enc': Compress del accept enc; 'compress_resp_already_compressed': Resp already compressed; 'compress_content_type_excluded': Compress cont type excl; 'compress_no_content_type': Compress no cont type; 'compress_resp_lt_min': Compress resp less than min; 'compress_resp_no_cl_or_ce': Compress resp no CL/CE; 'compress_ratio_too_high': Compress ratio too high; 'cache_rsp': HTTP req (cache succ); 'close_on_ddos': Close on DDoS; 'req_http10_keepalive': 1.0 Keepalive; 'req_sz_1k': Req less than equal to 1K; 'req_sz_2k': Req less than equal to 2K; 'req_sz_4k': Req less than equal to 4K;

Type: string

Supported Values: all, num, curr_proxy, total_proxy, req, req_succ, noproxy, client_rst, server_rst, notuple, parsereq_fail, svrsel_fail, fwdreq_fail, fwdreq_fail_buff, fwdreq_fail_rport, fwdreq_fail_route, fwdreq_fail_persist, fwdreq_fail_server, fwdreq_fail_tuple, fwdreqdata_fail, req_retran, req_ofo, server_resel, svr_prem_close, new_svrconn, snat_fail, tcpoutrst, full_proxy, full_proxy_post, full_proxy_pipeline, full_proxy_fpga_err, req_over_limit, req_rate_over_limit, l4_switching, cookie_switching, aflex_switching, http_policy_switching, url_switching, host_switching, lb_switching, l4_switching_ok, cookie_switching_ok, aflex_switching_ok, http_policy_switching_ok, url_switching_ok, host_switching_ok, lb_switching_ok, l4_switching_enqueue, cookie_switching_enqueue, aflex_switching_enqueue, http_policy_switching_enqueue, url_switching_enqueue, host_switching_enqueue, lb_switching_enqueue, retry_503, aflex_retry, aflex_lb_reselect, aflex_lb_reselect_ok, client_rst_request, client_rst_connecting,

client_rst_connected, client_rst_response, server_rst_request, server_rst_connecting, server_rst_connected, server_rst_response, invalid_header, too_many_headers, line_too_long, header_name_too_long, wrong_resp_header, header_insert, header_delete, insert_client_ip, negative_req_remain, negative_resp_remain, large_cookie, large_cookie_header, huge_cookie, huge_cookie_header, parse_cookie_fail, parse_setcookie_fail, asm_cookie_fail, asm_cookie_header_fail, asm_setcookie_fail, asm_setcookie_header_fail, client_req_unexp_flag, connecting_fin, connecting_fin_retrans, connecting_fin_ofo, connecting_rst, connecting_rst_retrans, connecting_rst_ofo, connecting_ack, pkts_ofo, pkts_retrans, pkts_retrans_ack_finwait, pkts_retrans_fin, pkts_retrans_rst, pkts_retrans_push, stale_sess, server_resel_failed, compression_before, compression_after, response_1xx, response_100, response_101, response_102, response_2xx, response_200, response_201, response_202, response_203, response_204, response_205, response_206, response_207, response_3xx, response_300, response_301, response_302, response_303, response_304, response_305, response_306, response_307, response_4xx, response_400, response_401, response_402, response_403, response_404, response_405, response_406, response_407, response_408, response_409, response_410, response_411, response_412, response_413, response_414, response_415, response_416, response_417, response_418, response_422, response_423, response_424, response_425, response_426, response_449, response_450, response_5xx, response_500, response_501, response_502, response_503, response_504, response_505, response_506, response_507, response_508, response_509, response_510, response_6xx, response_unknown, req_http10, req_http11, response_http10, response_http11, req_get, req_head, req_put, req_post, req_trace, req_options, req_connect, req_delete, req_unknown, req_content_len, rsp_content_len, rsp_chunk, req_chunk, compress_rsp, compress_del_accept_enc, compress_resp_already_compressed, compress_content_type_excluded, compress_no_content_type, compress_resp_lt_min, compress_resp_no_cl_or_ce, compress_ratio_too_high, cache_rsp, close_on_ddos, req_http10_keepalive, req_sz_1k, req_sz_2k, req_sz_4k

counters2

Description 'req_sz_8k': Req less than equal to 8K; 'req_sz_16k': Req less than equal to 16K; 'req_sz_32k': Req less than equal to 32K; 'req_sz_64k': Req less than equal to 64K; 'req_sz_256k': Req less than equal to 256K; 'req_sz_gt_256k': Req greater than 256K; 'rsp_sz_1k': Resp less than equal to 1K; 'rsp_sz_2k': Resp less than equal to 2K; 'rsp_sz_4k': Resp less than equal to 4K; 'rsp_sz_8k': Resp less than equal to 8K; 'rsp_sz_16k': Resp less than equal to 16K; 'rsp_sz_32k': Resp less than equal to 32K; 'rsp_sz_64k': Resp less than equal to 64K; 'rsp_sz_256k': Resp less than equal to 256K; 'rsp_sz_gt_256k': Resp greater than 256K; 'chunk_sz_512': Chunk less than equal to 512; 'chunk_sz_1k': Chunk less than equal to 1K; 'chunk_sz_2k': Chunk less than equal to 2K; 'chunk_sz_4k': Chunk less than equal to 4K; 'chunk_sz_gt_4k': Chunk greater than 4K; 'pconn_connecting': pconn connecting; 'pconn_connected': pconn connected; 'pconn_connecting_failed': pconn conn failed; 'chunk_bad': Bad Chunk; 'req_10u': Rsp time less than 10u; 'req_20u': Rsp time less than 20u; 'req_50u': Rsp time less than 50u; 'req_100u': Rsp time less than 100u; 'req_200u': Rsp time less than 200u; 'req_500u': Rsp time less than 500u; 'req_1m': Rsp time less than 1m; 'req_2m': Rsp time less than 2m; 'req_5m': Rsp time less than 5m; 'req_10m': Rsp time less than 10m; 'req_20m': Rsp time less than 20m; 'req_50m': Rsp time less than 50m; 'req_100m': Rsp time less than 100m; 'req_200m': Rsp time less than 200m; 'req_500m': Rsp time less than 500m; 'req_1s': Rsp time less than 1s; 'req_2s': Rsp time less than 2s; 'req_5s': Rsp time less than 5s; 'req_over_5s': Rsp time greater than equal to 5s; 'insert_client_port': Insert client Port; 'req_track': Method TRACK; 'connect_req': Total HTTP CONNECT requests; 'req_enter_ssli': Total HTTP requests enter SSLi; 'non_http_bypass': Non-HTTP bypass;

Type: string

Supported Values: req_sz_8k, req_sz_16k, req_sz_32k, req_sz_64k, req_sz_256k,

req_sz_gt_256k, rsp_sz_1k, rsp_sz_2k, rsp_sz_4k, rsp_sz_8k, rsp_sz_16k, rsp_sz_32k, rsp_sz_64k, rsp_sz_256k, rsp_sz_gt_256k, chunk_sz_512, chunk_sz_1k, chunk_sz_2k, chunk_sz_4k, chunk_sz_gt_4k, pconn_connecting, pconn_connected, pconn_connecting_failed, chunk_bad, req_10u, req_20u, req_50u, req_100u, req_200u, req_500u, req_1m, req_2m, req_5m, req_10m, req_20m, req_50m, req_100m, req_200m, req_500m, req_1s, req_2s, req_5s, req_over_5s, insert_client_port, req_track, connect_req, req_enter_ssli, non_http_bypass, decompression_before, decompression_after, req_http2, response_http2, req_timeout_retry, req_timeout_close, doh_req, doh_req_get, doh_req_post, doh_non_doh_req, doh_non_doh_req_get, doh_non_doh_req_post, doh_resp, doh_tc_resp, doh_udp_dns_req, doh_udp_dns_resp, doh_tcp_dns_req, doh_tcp_dns_resp, doh_req_send_failed, doh_resp_send_failed, doh_malloc_fail, doh_req_udp_retry, doh_req_udp_retry_fail, doh_req_tcp_retry, doh_req_tcp_retry_fail, doh_snat_failed, doh_path_not_found, doh_get_dns_arg_failed, doh_get_base64_decode_failed, doh_post_content_type_mismatch, doh_post_payload_not_found, doh_post_payload_extract_failed, doh_non_doh_method, doh_tcp_send_failed, doh_udp_send_failed, doh_query_time_out, doh_dns_query_type_a, doh_dns_query_type_aaaa, doh_dns_query_type_ns, doh_dns_query_type_cname, doh_dns_query_type_any, doh_dns_query_type_srv, doh_dns_query_type_mx, doh_dns_query_type_soa, doh_dns_query_type_others, doh_resp_setup_failed, doh_resp_header_alloc_failed, doh_resp_que_failed, doh_resp_udp_frags, doh_resp_tcp_frags, doh_serv_sel_failed, doh_retry_w_tcp, doh_get_uri_too_long, doh_post_payload_too_large, doh_dns_malformed_query, doh_dns_resp_rcode_err_format, doh_dns_resp_rcode_err_server, doh_dns_resp_rcode_err_name, doh_dns_resp_rcode_err_type, doh_dns_resp_rcode_refuse, doh_dns_resp_rcode_yxdomain, doh_dns_resp_rcode_yxrrset, doh_dns_resp_rcode_nxrrset, doh_dns_resp_rcode_notauth, doh_dns_resp_rcode_notzone, doh_dns_resp_rcode_other

icap

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icap_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'reqmod_request': Reqmod Request Stats; 'respmod_request': Respmod Request Stats; 'reqmod_request_after_100': Reqmod Request Sent After 100 Cont Stats; 'respmod_request_after_100': Respmod Request Sent After 100 Cont Stats; 'reqmod_response': Reqmod Response Stats; 'respmod_response': Respmod Response Stats; 'reqmod_response_after_100': Reqmod Response After 100 Cont Stats; 'respmod_response_after_100': Respmod Response After 100 Cont Stats; 'chunk_no_allow_204': Chunk so no Allow 204 Stats; 'len_exceed_no_allow_204': Length Exceeded so no Allow 204 Stats; 'result_continue': Result Continue Stats; 'result_icap_response': Result ICAP Response Stats; 'result_100_continue': Result 100 Continue Stats; 'result_other': Result Other Stats; 'status_2xx': Status 2xx Stats; 'status_200': Status 200 Stats; 'status_201': Status 201 Stats; 'status_202': Status 202 Stats; 'status_203': Status 203 Stats; 'status_204': Status 204 Stats; 'status_205': Status 205 Stats; 'status_206': Status 206 Stats; 'status_207': Status 207 Stats; 'status_1xx': Status 1xx Stats; 'status_100': Status 100 Stats; 'status_101': Status 101 Stats; 'status_102': Status 102 Stats; 'status_3xx': Status 3xx Stats; 'status_300': Status 300 Stats; 'status_301': Status 301 Stats; 'status_302': Status 302 Stats; 'status_303': Status 303 Stats; 'status_304': Status 304 Stats; 'status_305': Status 305 Stats; 'status_306': Status 306 Stats; 'status_307': Status 307 Stats; 'status_4xx': Status 4xx Stats; 'status_400': Status 400 Stats; 'status_401': Status 401 Stats; 'status_402': Status 402 Stats; 'status_403': Status 403 Stats; 'status_404': Status 404 Stats; 'status_405': Status 405 Stats; 'status_406': Status 406 Stats; 'status_407': Status 407 Stats; 'status_408': Status 408 Stats; 'status_409': Status 409 Stats; 'status_410': Status 410 Stats; 'status_411': Status 411 Stats; 'status_412': Status 412 Stats; 'status_413': Status 413 Stats; 'status_414': Status 414 Stats; 'status_415': Status 415 Stats; 'status_416': Status 416 Stats; 'status_417': Status 417 Stats; 'status_418': Status 418 Stats; 'status_419': Status 419 Stats; 'status_420': Status 420 Stats; 'status_422': Status 422 Stats; 'status_423': Status 423 Stats; 'status_424': Status 424 Stats; 'status_425': Status 425 Stats; 'status_426': Status 426 Stats; 'status_449': Status 449 Stats; 'status_450': Status 450 Stats; 'status_5xx': Status 5xx Stats; 'status_500': Status 500 Stats; 'status_501': Status 501 Stats; 'status_502': Status 502 Stats; 'status_503': Status 503 Stats; 'status_504': Status 504 Stats; 'status_505': Status 505 Stats; 'status_506': Status 506 Stats; 'status_507': Status 507 Stats; 'status_508': Status 508 Stats; 'status_509': Status 509 Stats; 'status_510': Status 510 Stats; 'status_6xx': Status 6xx Stats; 'status_unknown': Status Unknown Stats; 'send_option_req': Send Option Req Stats; 'app_serv_conn_no_pcb_err': App Server Conn no ES PCB Err Stats; 'app_serv_conn_err': App Server Conn Err Stats; 'chunk1_hdr_err': Chunk Hdr Err1 Stats; 'chunk2_hdr_err': Chunk Hdr Err2 Stats; 'chunk_bad_trail_err': Chunk Bad Trail Err Stats; 'no_payload_next_buff_err': No Payload In Next Buff Err Stats; 'no_payload_buff_err': No Payload Buff Err Stats; 'resp_hdr_incomplete_err': Resp Hdr Incomplete Err Stats; 'serv_sel_fail_err': Server Select Fail Err Stats; 'start_icap_conn_fail_err': Start ICAP conn fail Stats; 'prep_req_fail_err': Prepare ICAP req fail Err Stats; 'icap_ver_err': ICAP Ver Err Stats; 'icap_line_err': ICAP Line Err Stats; 'encap_hdr_incomplete_err': Encap HDR Incomplete Err Stats; 'no_icap_resp_err': No ICAP Resp Err Stats; 'resp_line_read_err': Resp Line Read Err Stats; 'resp_line_parse_err': Resp Line Parse Err Stats; 'resp_hdr_err': Resp Hdr Err Stats; 'req_hdr_incomplete_err': Req Hdr Incomplete Err Stats; 'no_status_code_err': No Status Code Err Stats; 'http_resp_line_read_err': HTTP Response Line Read Err Stats; 'http_resp_line_parse_err': HTTP Response Line Parse Err Stats; 'http_resp_hdr_err': HTTP Resp Hdr Err Stats; 'recv_option_resp': Send Option Req Stats;

Type: string

Supported Values: all, reqmod_request, respmod_request, reqmod_request_after_100, respmod_request_after_100, reqmod_response, respmod_response, reqmod_response_after_100, respmod_response_after_100, chunk_no_allow_204, len_exceed_no_allow_204, result_continue, result_icap_response, result_100_continue, result_other, status_2xx, status_200, status_201, status_202, status_203, status_204, status_205, status_206, status_207, status_1xx, status_100, status_101, status_102, status_3xx, status_300, status_301, status_302, status_303, status_304, status_305, status_306, status_307, status_4xx, status_400, status_401, status_402, status_403, status_404, status_405, status_406, status_407, status_408, status_409, status_410, status_411, status_412, status_413, status_414, status_415, status_416, status_417, status_418, status_419, status_420, status_422, status_423, status_424, status_425, status_426, status_449, status_450, status_5xx, status_500, status_501, status_502, status_503, status_504, status_505, status_506, status_507, status_508, status_509, status_510, status_6xx, status_unknown, send_option_req, app_serv_conn_no_pcb_err, app_serv_conn_err, chunk1_hdr_err, chunk2_hdr_err, chunk_bad_trail_err, no_payload_next_buff_err, no_payload_buff_err, resp_hdr_incomplete_err, serv_sel_fail_err, start_icap_conn_fail_err, prep_req_fail_err, icap_ver_err, icap_line_err, encap_hdr_incomplete_err, no_icap_resp_err, resp_line_read_err, resp_line_parse_err, resp_hdr_err, req_hdr_incomplete_err, no_status_code_err, http_resp_line_read_err, http_resp_line_parse_err, http_resp_hdr_err, recv_option_resp

ssl

Specification	
Type	*object*

sni-automap-attributes

Description: sni-automap-attributes is a **JSON Block**. Please see below for *ssl_sni-automap-attributes*

Type: Object

Refernce Object: */axapi/v3/slb/ssl/sni-automap-attributes*

ssl_sni-automap-attributes

Specification	
Type	*object*

sni-delete-factor

Description Contexts are deleted in groups of this value. Default is 50

Type: number

Range: 1-10000

Default: 50

sni-lower-limit

Description Lower limit for free SNI contexts count. Default is 500

Type: number

Range: 1-65536

Default: 500

sni-upper-limit

Description Upper limit for free SNI contexts count. Default is 2000

Type: number

Range: 1-65536

Default: 2000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-data

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-data_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_num': Total Data Sessions; 'port_out_of_range': Drop Data Port out of range;

Type: string

Supported Values: all, sessions_num, port_out_of_range

sport-rate-limit

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sport-rate-limit_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'alloc_sport': Alloc'd src port entry; 'alloc_sportip': Alloc'd src port-ip entry; 'freed_sport': Freed src port entry; 'freed_sportip': Freed src port-ip entry; 'total_drop': Total rate exceed drop; 'total_reset': Total rate exceed reset; 'total_log': Total log sent;

Type: string

Supported Values: all, alloc_sport, alloc_sportip, freed_sport, freed_sportip, total_drop, total_reset, total_log

ssl-counters

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-forward-proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-forward-proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cert_create': Certificates created; 'cert_expr': Certificates expired; 'cert_hit': Certificate cache hits; 'cert_miss': Certificate cache miss; 'conn_bypass': Connections bypassed; 'conn_inspect': Connections inspected;

Type: string

Supported Values: all, cert_create, cert_expr, cert_hit, cert_miss, conn_bypass, conn_inspect, bypass-failsafe-ssl-sessions, bypass-sni-sessions, bypass-client-auth-sessions, failed-in-ssl-handshakes, failed-in-crypto-operations, failed-in-tcp, failed-in-certificate-verification, failed-in-certificate-signing, invalid-ocsp-stapling-response, revoked-ocsp-response, unsupported-ssl-version, certificates-in-cache, connections-failed, aflex-bypass, bypass-cert-subject-sessions, bypass-cert-issuer-sessions, bypass-cert-san-sessions, bypass-no-sni-sessions, reset-no-sni-sessions, bypass-esni-sessions, drop-esni-sessions, bypass-username-sessions, bypass-ad-group-sessions, tot_conn_in_buff, curr_conn_in_buff, cert_in_cache

server-group-list

Specification	
Type	*list*
Block object keys	

member-list

Type: List

Refernce Object: */axapi/v3/slb/server-group/{name}/member/{name}*

name

Description server-group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-group-list_member-list

Specification	
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-group-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all;

Type: string

Supported Values: all

health-down-reason

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'intcp': TCP received; 'synreceived': TCP SYN received; 'tcp_fwd_last_ack': L4 rcv fwd last ACK; 'tcp_rev_last_ack': L4 rcv rev last ACK; 'tcp_rev_fin': L4 rcv rev FIN; 'tcp_fwd_fin': L4 rcv fwd FIN; 'tcp_fwd_ackfin': L4 rcv fwd FIN|ACK; 'inudp': UDP received; 'syncookiessent': TCP SYN cookie snt; 'syncookiessent_ts': TCP SYN cookie snt ts; 'syncookiessentfailed': TCP SYN cookie snt fail; 'outrst': TCP out RST; 'outrst_nosyn': TCP out RST no SYN; 'outrst_broker': TCP out RST L4 proxy; 'outrst_ack_attack': TCP out RST ACK attack; 'outrst_aflex': TCP out RST aFleX; 'outrst_stale_sess': TCP out RST stale sess; 'syn_stale_sess': SYN stale sess drop; 'outrst_tcpproxy': TCP out RST TCP proxy; 'svrselfail': Server sel failure; 'noroute': IP out noroute; 'snat_fail': Source NAT failure; 'snat_no_fwd_route': Source NAT no fwd route; 'snat_no_rev_route': Source NAT no rev route; 'snat_icmp_error_process': Source NAT ICMP Process; 'snat_icmp_no_match': Source NAT ICMP No Match; 'smart_nat_id_mismatch': Auto NAT id mismatch; 'syncookiescheckfailed': TCP SYN cookie failed; 'novport_drop': NAT no session drops; 'no_vport_drop': vport not matching drops; 'nosyn_drop': No SYN pkt drops; 'nosyn_drop_fin': No SYN pkt drops - FIN; 'nosyn_drop_rst': No SYN pkt drops - RST; 'nosyn_drop_ack': No SYN pkt drops - ACK; 'connlimit_drop': Conn Limit drops; 'connlimit_reset': Conn Limit resets; 'conn_rate_limit_drop': Conn rate limit drops; 'conn_rate_limit_reset': Conn rate limit resets; 'proxy_nosock_drop': Proxy no sock drops; 'drop_aflex': aFleX drops; 'sess_aged_out': Session aged out; 'tcp_sess_aged_out': TCP Session aged out; 'udp_sess_aged_out': UDP Session aged out; 'other_sess_aged_out': Other Session aged out; 'tcp_no_slb': TCP no SLB; 'udp_no_slb': UDP no SLB; 'throttle_syn': SYN Throttle; 'drop_gslb': Drop GSLB; 'inband_hm_retry': Inband HM retry; 'inband_hm_reassign': Inband HM reassign; 'auto_reassign': Auto-reselect server; 'fast_aging_set': Fast aging set; 'fast_aging_reset': Fast aging reset; 'dns_policy_drop': DNS Policy Drop; 'tcp_invalid_drop': TCP invalid drop; 'anomaly_out_seq': Anomaly out of sequence; 'anomaly_zero_win': Anomaly zero window; 'anomaly_bad_content': Anomaly bad content; 'anomaly_pbslb_drop': Anomaly pbslb drop; 'no_resourse_drop': No resource drop; 'reset_unknown_conn': Reset unknown conn; 'reset_l7_on_failover': RST L7 on failover; 'ignore_msl': ignore msl; 'l2_dsr': L2 DSR received; 'l3_dsr': L3 DSR received; 'port_preserve_attempt': NAT Port Preserve Try; 'port_preserve_succ': NAT Port Preserve Succ; 'tcpsyndata_drop': TCP SYN With Data Drop; 'tcpotherflags_drop': TCP SYN Other Flags Drop; 'bw_rate_limit_exceed': BW-Limit Exceed drop; 'bw_watermark_drop': BW-Watermark drop; 'l4_cps_exceed': L4 CPS exceed drop; 'nat_cps_exceed': NAT CPS exceed drop; 'l7_cps_exceed': L7 CPS exceed drop; 'ssl_cps_exceed': SSL CPS exceed drop; 'ssl_tpt_exceed': SSL TPT exceed drop; 'ssl_watermark_drop': SSL TPT-Watermark drop; 'concurrent_conn_exceed': L3V Conn Limit Drop; 'svr_syn_handshake_fail': L4 server handshake fail; 'stateless_conn_timeout': L4 stateless Conn TO; 'tcp_ax_rexmit_syn': L4 AX re-xmit SYN; 'tcp_syn_rcv_ack': L4 rcv ACK on SYN; 'tcp_syn_rcv_rst': L4 rcv RST on SYN; 'tcp_sess_noest_aged_out': TCP no-Est Sess aged out; 'tcp_sess_noest_csyn_rcv_aged_out': no-Est CSYN rcv aged out; 'tcp_sess_noest_ssyn_xmit_aged_out': no-Est SSYN snt aged out; 'tcp_rexmit_syn': L4 rcv rexmit SYN; 'tcp_rexmit_syn_delq': L4 rcv rexmit SYN (delq); 'tcp_rexmit_synack': L4 rcv rexmit SYN|ACK; 'tcp_rexmit_synack_delq': L4 rcv rexmit SYN|ACK DQ; 'tcp_fwd_fin_dup': L4 rcv fwd FIN dup; 'tcp_rev_fin_dup': L4 rcv rev FIN dup; 'tcp_rev_ackfin': L4 rcv rev FIN|ACK; 'tcp_fwd_rst': L4 rcv fwd RST; 'tcp_rev_rst': L4 rcv

rev RST; 'udp_req_oneplus_no_resp': L4 UDP reqs no rsp; 'udp_req_one_oneplus_resp': L4 UDP req rsps; 'udp_req_resp_notmatch': L4 UDP req/rsp not match; 'udp_req_more_resp': L4 UDP req greater than rsps; 'udp_resp_more_req': L4 UDP rsps greater than reqs; 'udp_req_oneplus': L4 UDP reqs; 'udp_resp_oneplus': L4 UDP rsps; 'out_seq_ack_drop': Out of sequence ACK drop; 'tcp_est': L4 TCP Established; 'synattack': L4 SYN attack; 'syn_rate': TCP SYN rate per sec; 'syncookie_buff_drop': TCP SYN cookie buff drop; 'syncookie_buff_queue': TCP SYN cookie buff queue; 'skip_insert_client_ip': Skip Insert-client-ip; 'synreceived_hw': TCP SYN (HW SYN cookie); 'dns_id_switch': DNS query id switch; 'server_down_del': Server Down Del switch;

Type: string

Supported Values: all, intcp, synreceived, tcp_fwd_last_ack, tcp_rev_last_ack, tcp_rev_fin, tcp_fwd_fin, tcp_fwd_ackfin, inudp, syncookiessent, syncookiessent_ts, syncookiessentfailed, outrst, outrst_nosyn, outrst_broker, outrst_ack_attack, outrst_aflex, outrst_stale_sess, syn_stale_sess, outrst_tcpproxy, svrselfail, noroute, snat_fail, snat_no_fwd_route, snat_no_rev_route, snat_icmp_error_process, snat_icmp_no_match, smart_nat_id_mismatch, syncookiescheckfailed, novport_drop, no_vport_drop, nosyn_drop, nosyn_drop_fin, nosyn_drop_rst, nosyn_drop_ack, connlimit_drop, connlimit_reset, conn_rate_limit_drop, conn_rate_limit_reset, proxy_nosock_drop, drop_aflex, sess_aged_out, tcp_sess_aged_out, udp_sess_aged_out, other_sess_aged_out, tcp_no_slb, udp_no_slb, throttle_syn, drop_gslb, inband_hm_retry, inband_hm_reassign, auto_reassign, fast_aging_set, fast_aging_reset, dns_policy_drop, tcp_invalid_drop, anomaly_out_seq, anomaly_zero_win, anomaly_bad_content, anomaly_pbslb_drop, no_resourse_drop, reset_unknown_conn, reset_l7_on_failover, ignore_msl, l2_dsr, l3_dsr, port_preserve_attempt, port_preserve_succ, tcpsyndata_drop, tcpotherflags_drop, bw_rate_limit_exceed, bw_watermark_drop, l4_cps_exceed, nat_cps_exceed, l7_cps_exceed, ssl_cps_exceed, ssl_tpt_exceed, ssl_watermark_drop, concurrent_conn_exceed, svr_syn_handshake_fail, stateless_conn_timeout, tcp_ax_rexmit_syn, tcp_syn_rcv_ack, tcp_syn_rcv_rst, tcp_sess_noest_aged_out, tcp_sess_noest_csyn_rcv_aged_out, tcp_sess_noest_ssyn_xmit_aged_out, tcp_rexmit_syn, tcp_rexmit_syn_delq, tcp_rexmit_synack, tcp_rexmit_synack_delq, tcp_fwd_fin_dup, tcp_rev_fin_dup, tcp_rev_ackfin, tcp_fwd_rst, tcp_rev_rst, udp_req_oneplus_no_resp, udp_req_one_oneplus_resp, udp_req_resp_notmatch, udp_req_more_resp, udp_resp_more_req, udp_req_oneplus, udp_resp_oneplus, out_seq_ack_drop, tcp_est, synattack, syn_rate, syncookie_buff_drop, syncookie_buff_queue, skip_insert_client_ip, synreceived_hw, dns_id_switch, server_down_del, dnssec_switch, rate_drop_reset_unkn, tcp_connections_closed, gtp_c_invalid_port, gtp_c_invalid_header, gtp_c_invalid_message, reselect_svrselfail, snat_port_overload_fail, snat_force_preserve_alloc, snat_force_preserve_free

common

Specification	
Type	*object*

N5-new

Description HW assisted N5 SSL module with TLS 1.3 and TLS 1.2 support using OpenSSL 1.1.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: N5-newsoftware, software-tls13, QAT and N5-old are mutually exclusive

N5-old

Description HW assisted N5 SSL module with TLS 1.2 support using OpenSSL 0.9.7

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: N5-oldsoftware, software-tls13, QAT and N5-new are mutually exclusive

QAT

Description HW assisted QAT SSL module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: QATsoftware, software-tls13, N5-new and N5-old are mutually exclusive

aflex-table-entry-aging-interval

Description aFleX table entry aging interval in second

Type: number

Range: 1-3600

Default: 1

aflex-table-entry-sync

Description: aflex-table-entry-sync is a **JSON Block**. Please see below for *common_aflex-table-entry-sync*

Type: Object

Refernce Object: */axapi/v3/slb/common/aflex-table-entry-sync*

after-disable

Description Graceful shutdown after disable server/port and/or virtual server/port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-in-gateway-mode

Description Use source NAT gateway for L3 traffic for gateway mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-nat-no-ip-refresh

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

auto-translate-port

Description Auto Translate Port range

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff-thresh

Description Set buffer threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff-thresh-hw-buff

Description Set hardware buffer threshold

Type: number

Range: 1-2147483647

buff-thresh-relieve-thresh

Description Relieve threshold

Type: number

Range: 0-2147483647

buff-thresh-sys-buff-high

Description Set high water mark of system buffer

Type: number

Range: 0-2147483647

buff-thresh-sys-buff-low

Description Set low water mark of system buffer

Type: number

Range: 0-2147483647

compress-block-size

Description Set compression block size (Compression block size in bytes)

Type: number

Range: 6000-131008

conn-rate-limit

Description: conn-rate-limit is a **JSON Block**. Please see below for *common_conn-rate-limit*

Type: Object

Refernce Object: */axapi/v3/slb/common/conn-rate-limit*

ddos-pkt-count-thresh

Description Set packet count threshold for DDOS, default is 100

Type: number

Range: 1-256

Default: 100

ddos-pkt-size-thresh

Description Set data packet size threshold for DDOS, default is 64 bytes

Type: number

Range: 1-256

Default: 64

ddos-protection

Description: ddos-protection is a **JSON Block**. Please see below for *common_ddos-protection*

Type: Object

disable-adaptive-resource-check

Description Disable adaptive resource check based on buffer usage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-persist-scoring

Description Disable Persist Scoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-port-masking

Description Disable masking of ports for CPU hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-server-auto-reselect

Description Disable auto reselection of server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-age

Description Set DNS cache entry age, default is 300 seconds (1-1000000 seconds, default is 300 seconds)

Type: number

Range: 1-1000000

Default: 300

dns-cache-enable

Description Enable DNS cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-entry-size

Description Set DNS cache entry size, default is 256 bytes (1-4096 bytes, default is 256 bytes)

Type: number

Range: 1-4096

Default: 256

dns-response-rate-limiting

Description: dns-response-rate-limiting is a **JSON Block**. Please see below for *common_dns-response-rate-limiting*

Type: Object

Refernce Object: */axapi/v3/slb/common/dns-response-rate-limiting*

dns-vip-stateless

Description Enable DNS VIP stateless mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-icmp-to-vip-when-vip-down

Description Drop ICMP to VIP when VIP down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dsr-health-check-enable

Description Enable dsr-health-check (direct server return health check)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ecmp-hash

Description 'system-default': Use system default ecmp hashing algorithm; 'connection-based': Use connection information for hashing;

Type: string

Supported Values: system-default, connection-based

Default: system-default

enable-l7-req-acct

Description Enable L7 request accounting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entity

Description 'server': Graceful shutdown server/port only; 'virtual-server': Graceful shutdown virtual server/port only;

Type: string

Supported Values: server, virtual-server

exclude-destination

Description 'local': Maximum local rate; 'remote': Maximum remote rate; (Maximum rates)

Type: string

Supported Values: local, remote

extended-stats

Description Enable global slb extended statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-path-disable

Description Disable fast path in SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-health-check

Description Enable gateway health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-shutdown

Description 1-65535, in unit of seconds

Type: number

Range: 1-65535

graceful-shutdown-enable

Description Enable graceful shutdown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check-to-all-vip

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-fast-enable

Description Enable Http Fast in SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-compression

Description Use hardware compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-syn-rr

Description Configure hardware SYN round robin (range 1-500000)

Type: number

Range: 1-500000

interval

Description Specify the healthcheck interval, default is 5 seconds (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

Default: 5

ipv4-offset

Description IPv4 Octet Offset for Hash

Type: number

Range: 0-3

Default: 0

l2l3-trunk-lb-disable

Description Disable L2/L3 trunk LB

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-latency

Description Enable low latency mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-buff-queued-per-conn

Description Set per connection buffer threshold (Buffer value range 128-4096)

Type: number

Range: 128-4096

Default: 1000

max-http-header-count

Description Set maximum number of HTTP headers allowed

Type: number

Range: 90-255

Default: 90

max-local-rate

Description Set maximum local rate

Type: number

Range: 1-100

Default: 32

max-remote-rate

Description Set maximum remote rate

Type: number

Range: 1-1000000

Default: 15000

msl-time

Description Configure maximum session life, default is 2 seconds (1-40 seconds, default is 2 seconds)

Type: number

Range: 1-40

Default: 2

mss-table

Description Set MSS table (128-750, default is 536)

Type: number

Range: 128-750

Default: 536

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn-hm-rate

Description One Server Conn Health Check Rate

Type: number

Range: 1-60

override-port

Description Enable override port in DSR health check mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per-thr-percent

Description Percentage of default session count to use for per thread session table size

Type: number

Range: 1-100

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

player-id-check-enable

Description Enable the Player id check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

range

Description auto translate port range

Type: number

Range: 1-3

range-end

Description port range end

Type: number

Range: 0-65535

range-start

Description port range start

Type: number

Range: 0-65535

rate-limit-logging

Description Configure rate limit logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-stale-session

Description Send reset if session in delete queue receives a SYN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resolve-port-conflict

Description Enable client port service port conflicts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type

Description 'single-answer': Only cache DNS response with single answer; 'round-robin': Round robin;

Type: string

Supported Values: single-answer, round-robin

scale-out

Description Enable SLB scale out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scale-out-traffic-map

Description Set SLB scaleout traffic-map

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-on-no-dest-nat-vports

Description 'allow-same': Allow the binding service-group on no-dest-nat virtual ports; 'enforce-different': Enforce that the same service-group can not be bound on different no-dest-nat virtual ports;

Type: string

Supported Values: allow-same, enforce-different

Default: enforce-different

show-slb-server-legacy-cmd

Description Enable show slb server legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show-slb-service-group-legacy-cmd

Description Enable show slb service-group legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show-slb-virtual-server-legacy-cmd

Description Enable show slb virtual-server legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-gwy-for-l3

Description Use source NAT gateway for L3 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-preserve

Description: snat-preserve is a **JSON Block**. Please see below for *common_snat-preserve*

Type: Object

software

Description Software

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: softwaresoftware-tls13, QAT, N5-new and N5-old are mutually exclusive

software-tls13

Description Software TLS1.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: software-tls13software, QAT, N5-new and N5-old are mutually exclusive

sort-res

Description Enable SLB sorting of resource names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-sni-hash-enable

Description Enable SSLi SNI hash table

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateless-sg-multi-binding

Description Enable stateless service groups to be assigned to multiple L2/L3 DSR VIPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-disable

Description Disable global slb data statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the healthcheck timeout value, default is 15 seconds (Timeout Value, in seconds (default 15))

Type: number

Range: 1-360

Default: 15

traffic-map-type

Description 'vport': traffic-map per vport; 'global': global traffic-map;

Type: string

Supported Values: vport, global

Default: vport

ttl-threshold

Description Only cache DNS response with longer TTL

Type: number

Range: 1-10000000

use-default-sess-count

Description Use default session count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mss-tab

Description Use MSS based on internal table for SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_aflex-table-entry-sync

Specification	
Type	*object*

aflex-table-entry-sync-enable

Description Enable aflex table sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aflex-table-entry-sync-max-key-len

Description aflex table entry max key length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-max-value-len

Description aflex table entry max value length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-min-lifetime

Description aflex table entry minimum lifetime to sync

Type: number

Range: 0-65535

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_dns-response-rate-limiting

Specification	
Type	*object*

max-table-entries

Description Maximum number of entries allowed

Type: number

Range: 1000-4194304

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_conn-rate-limit

Specification	
Type	*object*

src-ip-list

Type: List

Refernce Object: */axapi/v3/slb/common/conn-rate-limit/src-ip/{protocol}*

common_conn-rate-limit_src-ip-list

Specification	
Type	*list*
Block object keys	

exceed-action

Description Set action if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Set max connections per period

Type: number

Range: 1-1000000

limit-period

Description '100': 100 ms; '1000': 1000 ms;

Type: string

Supported Values: 100, 1000

lock-out

Description Set lockout period in seconds if threshold exceeded

Type: number

Range: 1-3600

log

Description Send log if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': Set TCP connection rate limit; 'udp': Set UDP packet rate limit;

Type: string

Supported Values: tcp, udp

shared

Description Set threshold shared amongst all virtual ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_ddos-protection

Specification	
Type	*object*

ipd-enable-toggle

Description 'enable': Enable SLB DDoS protection; 'disable': Disable SLB DDoS protection (default);

Type: string

Supported Values: enable, disable

Default: disable

logging

Description: logging is a **JSON Block**. Please see below for *common_ddos-protection_logging*

Type: Object

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *common_ddos-protection_packets-per-second*

Type: Object

common_ddos-protection_packets-per-second

Specification	
Type	*object*

ipd-tcp

Description Configure packets-per-second threshold per TCP port (default: 200)

Type: number

Range: 0-65535

Default: 200

ipd-udp

Description Configure packets-per-second threshold per UDP port (default: 200)

Type: number

Range: 0-65535

Default: 200

common_ddos-protection_logging

Specification	
Type	*object*

ipd-logging-toggle

Description 'enable': Enable SLB DDoS protection logging (default); 'disable': Disable SLB DDoS protection logging;

Type: string

Supported Values: enable, disable

Default: enable

common_snat-preserve

Specification	
Type	*object*

range

Type: List

common_snat-preserve_range

Specification	
Type	*list*
Block object keys	

port1

Description start port

Type: number

Range: 1025-65535

Default: 1025

port2

Description end port which is greater than start

Type: number

Range: 1025-65535

Default: 1025

ssl-cert-pinning-candidate-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ac-class-list-list

Specification	
Type	*list*
Block object keys	

ac-list

Type: List

name

Description Specify name of the class list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: test

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ac-class-list-list_ac-list

Specification	
Type	*list*
Block object keys	

ac-key-string

Description Specify key string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ac-key-value

Description Specify value string

Type: string

Format: string-rlx

Maximum Length: 639 characters

Maximum Length: 1 characters

ac-match-type

Description 'contains': String contains another string; 'ends-with': String ends with another string; 'equals': String equals another string; 'starts-with': String starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

action

Description 'add': Add the entry; 'delete': Delete the entry;

Type: string

Supported Values: add, delete

health-check-details

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-stat

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-stat_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_burst': Number of burst; 'max_jiffie': Maximum number of jiffies; 'min_jiffie': Minimum number of jiffies; 'avg_jiffie': Average number of jiffies; 'open_socket': Number of open sockets; 'open_socket_failed': Number of failed open sockets; 'close_socket': Number of closed sockets; 'connect_failed': Number of failed connections; 'send_packet': Number of packets sent; 'send_packet_failed': Number of packet send failures; 'recv_packet': Number of received packets; 'recv_packet_failed': Number of failed packet receives; 'retry_times': Retry times; 'timeout': Timouet value; 'unexpected_error': Number of unexpected errors; 'conn_imdt_succ': Number of connection immediete success; 'sock_close_before_17': Number of sockets closed before l7; 'sock_close_without_notify': Number of sockets closed without notify; 'curr_health_rate': Current health rate; 'ext_health_rate': External health rate; 'ext_health_rate_val': External health rate value; 'total_number': Total number; 'status_up': Number of status ups; 'status_down': Number of status downs; 'status_unkn': Number of status unknowns; 'status_other': Number of other status; 'running_time': Running time;

Type: string

Supported Values: all, num_burst, max_jiffie, min_jiffie, avg_jiffie, open_socket, open_socket_failed, close_socket, connect_failed, send_packet, send_packet_failed, recv_packet, recv_packet_failed, retry_times, timeout, unexpected_error, conn_imdt_succ, sock_close_before_17, sock_close_without_notify, curr_health_rate, ext_health_rate, ext_health_rate_val, total_number, status_up, status_down, status_unkn, status_other, running_time, config_health_rate, ssl_post_handshake_packet, timeout_with_packet

aflow

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aflow_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pause_conn': Pause connection; 'pause_conn_fail': Pause connection fail; 'resume_conn': Resume connection; 'event_resume_conn': Resume conn by event; 'timer_resume_conn': Resume conn by timer; 'try_to_resume_conn': Resume conn by trying; 'retry_resume_conn': Resume conn by retry; 'error_resume_conn': Resume conn by error; 'open_new_server_conn': Open new server conn; 'reuse_server_idle_conn': Reuse idle server conn; 'inc_aflow_limit': Inc aFlow limit;

Type: string

Supported Values: all, pause_conn, pause_conn_fail, resume_conn, event_resume_conn, timer_resume_conn, try_to_resume_conn, retry_resume_conn, error_resume_conn, open_new_server_conn, reuse_server_idle_conn, inc_aflow_limit

ssl-stats

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-response-rate-limiting

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-response-rate-limiting_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_withdrew': Total Entry Withdrew; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'total_logs': Total Logs; 'total_overflow_entry_hits': Total Overflow Entry Hits; 'total_refill': Total Refills; 'total_credit_exceeded': Total Credit Exceeded; 'other_thread_refill': Other Thread Refilling; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_ext_create_oom': Entry Extension Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_vport_fail_match': Failed to Match Vport;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_withdrew, total_ready_to_free, total_freed, total_logs, total_overflow_entry_hits, total_refill, total_credit_exceeded, other_thread_refill, err_entry_create_failed, err_entry_create_oom, err_entry_ext_create_oom, err_entry_insert_failed, err_vport_fail_match

ssl-cmp-cert-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

player-id-list

Specification	
Type	*object*

player-record

Type: List

player-id-list_player-record

Specification	
Type	*list*
Block object keys	

game-server-ipv4

Description Specify IP address

Type: string

Format: ipv4-address

game-server-ipv6

Description Specify IPv6 address

Type: string

Format: ipv6-address

game-server-port-v4

Description Port

Type: number

Range: 0-65534

game-server-port-v6

Description Port

Type: number

Range: 0-65534

player-id

Description 64/32 bit player id based on config

Type: number

Range: 0-2147483647

template

Specification	
Type	*object*

cache-list

Type: List

Refernce Object: */axapi/v3/slb/template/cache/{name}*

cipher-list

Type: List

Refernce Object: */axapi/v3/slb/template/cipher/{name}*

client-ssh-list

Type: List

Refernce Object: */axapi/v3/slb/template/client-ssh/{name}*

client-ssl-list

Type: List

Refernce Object: */axapi/v3/slb/template/client-ssl/{name}*

connection-reuse-list

Type: List

Refernce Object: */axapi/v3/slb/template/connection-reuse/{name}*

dblb-list

Type: List

Refernce Object: */axapi/v3/slb/template/dblb/{name}*

diameter-list

Type: List

Refernce Object: */axapi/v3/slb/template/diameter/{name}*

dns-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}*

dns-logging-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns-logging/{name}*

doh-list

Type: List

Refernce Object: */axapi/v3/slb/template/doh/{name}*

dynamic-service-list

Type: List

Refernce Object: */axapi/v3/slb/template/dynamic-service/{name}*

external-service-list

Type: List

Refernce Object: */axapi/v3/slb/template/external-service/{name}*

fix-list

Type: List

Refernce Object: */axapi/v3/slb/template/fix/{name}*

ftp-list

Type: List

Refernce Object: */axapi/v3/slb/template/ftp/{name}*

http-list

Type: List

Refernce Object: */axapi/v3/slb/template/http/{name}*

http-policy-list

Type: List

Refernce Object: */axapi/v3/slb/template/http-policy/{name}*

imap-pop3-list

Type: List

Refernce Object: */axapi/v3/slb/template/imap-pop3/{name}*

link-block-as-down

Description: link-block-as-down is a **JSON Block**. Please see below for *template_link-block-as-down*

Type: Object

Refernce Object: */axapi/v3/slb/template/link-block-as-down*

link-cost-list

Type: List

Refernce Object: */axapi/v3/slb/template/link-cost/{name}*

link-down-on-restart

Description: link-down-on-restart is a **JSON Block**. Please see below for *template_link-down-on-restart*

Type: Object

Refernce Object: */axapi/v3/slb/template/link-down-on-restart*

link-probe-list

Type: List

Refernce Object: */axapi/v3/slb/template/link-probe/{name}*

logging-list

Type: List

Refernce Object: */axapi/v3/slb/template/logging/{name}*

monitor-list

Type: List

Refernce Object: */axapi/v3/slb/template/monitor/{id}*

mqtt-list

Type: List

Refernce Object: */axapi/v3/slb/template/mqtt/{name}*

persist

Description: persist is a **JSON Block**. Please see below for *template_persist*

Type: Object

Refernce Object: */axapi/v3/slb/template/persist*

policy-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}*

port-list

Type: List

Refernce Object: */axapi/v3/slb/template/port/{name}*

reqmod-icap-list

Type: List

Refernce Object: */axapi/v3/slb/template/reqmod-icap/{name}*

respmod-icap-list

Type: List

Refernce Object: */axapi/v3/slb/template/respmod-icap/{name}*

server-list

Type: List

Refernce Object: */axapi/v3/slb/template/server/{name}*

server-ssh-list

Type: List

Refernce Object: */axapi/v3/slb/template/server-ssh/{name}*

server-ssl-list

Type: List

Refernce Object: */axapi/v3/slb/template/server-ssl/{name}*

sip-list

Type: List

Refernce Object: */axapi/v3/slb/template/sip/{name}*

smpp-list

Type: List

Refernce Object: */axapi/v3/slb/template/smpp/{name}*

smtp-list

Type: List

Refernce Object: */axapi/v3/slb/template/smtp/{name}*

ssli-list

Type: List

Refernce Object: */axapi/v3/slb/template/ssli/{name}*

tcp-list

Type: List

Refernce Object: */axapi/v3/slb/template/tcp/{name}*

tcp-proxy-list

Type: List

Refernce Object: */axapi/v3/slb/template/tcp-proxy/{name}*

udp-list

Type: List

Refernce Object: */axapi/v3/slb/template/udp/{name}*

virtual-port-list

Type: List

Refernce Object: */axapi/v3/slb/template/virtual-port/{name}*

virtual-server-list

Type: List

Refernce Object: */axapi/v3/slb/template/virtual-server/{name}*

template_logging-list

Specification	
Type	*list*
Block object keys	

auto

Description 'auto': Configure auto NAT for logging, default is auto enabled;

Type: string

Supported Values: auto

Default: auto

Mutual Exclusion: auto and pool are mutually exclusive

format

Description Specfiy a format string for web logging (format string(less than 250 characters) for web logging)

Type: string

Format: string-rlx

Maximum Length: 250 characters

Maximum Length: 1 characters

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

Default: 0

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

Default: 0

local-logging

Description 1 to enable local logging (1 to enable local logging, default 0)

Type: number

Range: 0-1

Default: 0

mask

Description Character to mask the matched pattern (default: X)

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: X

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in the log

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: pool shared-partition-pool and auto are mutually exclusive

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

tcp-proxy

Description TCP proxy template (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_cache-list

Specification	
Type	*list*
Block object keys	

accept-reload-req

Description Accept reload requests via cache-control directives in HTTP headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

age

Description Specify duration in seconds cached content valid, default is 3600 seconds (seconds that the cached content is valid (default 3600 seconds))

Type: number

Range: 1-999999

Default: 3600

default-policy-nocache

Description Specify default policy to be to not cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-age

Description Disable insertion of age header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-via

Description Disable insertion of via header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-uri-policy

Type: List

logging

Description Specify logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

max-cache-size

Description Specify maximum cache size in megabytes, default is 80MB (RAM cache size in megabytes (default 80MB))

Type: number

Range: 1-4096

Default: 80

max-content-size

Description Maximum size (bytes) of response that can be cached - default 81920 (80KB)

Type: number

Range: 0-268435455

Default: 81920

min-content-size

Description Minimum size (bytes) of response that can be cached - default 512

Type: number

Range: 0-268435455

Default: 512

name

Description Specify cache template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl*

remove-cookies

Description Remove cookies in response and cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replacement-policy

Description 'LFU': LFU;

Type: string

Supported Values: LFU

Default: LFU

sampling-enable

Type: List

uri-policy

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-host

Description Verify request using host before sending response from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_cache-list_local-uri-policy

Specification	
Type	*list*
Block object keys	

local-uri

Description Specify Local URI for caching (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_cache-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': hits; 'miss': miss; 'bytes_served': bytes_served; 'total_req': total_req; 'caching_req': caching_req; 'nc_req_header': nc_req_header; 'nc_res_header': nc_res_header; 'rv_success': rv_success; 'rv_failure': rv_failure; 'ims_request': ims_request; 'nm_response': nm_response; 'rsp_type_CL': rsp_type_CL; 'rsp_type_CE': rsp_type_CE; 'rsp_type_304': rsp_type_304; 'rsp_type_other': rsp_type_other; 'rsp_no_compress': rsp_no_compress; 'rsp_gzip': rsp_gzip; 'rsp_deflate': rsp_deflate; 'rsp_other': rsp_other; 'nocache_match': nocache_match; 'match': match; 'invalidate_match': invalidate_match; 'content_toobig': content_toobig; 'content_toosmall': content_toosmall; 'entry_create_failures': entry_create_failures; 'mem_size': mem_size; 'entry_num': entry_num; 'replaced_entry': replaced_entry; 'aging_entry': aging_entry; 'cleaned_entry': cleaned_entry;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream, header_save_error

template_cache-list_uri-policy

Specification	
Type	*list*
Block object keys	

cache-action

Description 'cache': Specify if certain URIs should be cached; 'nocache': Specify if certain URIs should not be cached;

Type: string

Supported Values: cache, nocache

cache-value

Description Specify seconds that content should be cached, default is age specified in cache template

Type: number

Range: 1-999999

invalidate

Description Specify if URI should invalidate cache entries matching pattern (pattern that would match entries to be invalidated (64 chars max))

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uri

Description Specify URI for cache policy (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_port-list

Specification	
Type	*list*
Block object keys	

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server port (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-flaps

Description service dampening flaps count (max-flaps allowed in flap period)

Type: number

Range: 1-255

decrement

Description Decrease after every round of DNS query (default is 0)

Type: number

Range: 0-7

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-nat

Description Destination NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down-grace-period

Description Port down grace period

Type: number

Range: 1-86400

down-timer

Description The timer to bring the marked down server/port to up (default is 0, never bring up) (The timer to bring up server (in second, default is 0))

Type: number

Range: 0-255

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

dynamic-member-priority

Description Set dynamic member's priority (Initial priority (default is 16))

Type: number

Range: 1-16

Default: 16

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

flap-period

Description take service out of rotation if max-flaps exceeded within time in seconds

Type: number

Range: 1-255

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

inband-health-check

Description Use inband traffic to detect port's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

name

Description Port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reassign

Description Maximum reassign times before declear the server/port down (default is 25) (The maximum reassign number)

Type: number

Range: 0-255

Default: 25

request-rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

request-rate-limit

Description Request rate limit

Type: number

Range: 1-1048575

request-rate-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resel-on-reset

Description When receiving reset from server, do the server/port reselection (default is 0, don't do reselection)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restore-svc-time

Description put the service back to the rotation after time in seconds

Type: number

Range: 1-4095

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

retry

Description Maximum retry times before reassign this connection to another server/port (default is 2) (The maximum retry number)

Type: number

Range: 0-7

Default: 2

shared-partition-pool

Description Reference a NAT pool or pool-group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and source-nat are mutually exclusive

slow-start

Description Slowly ramp up the connection number after port is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-nat

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: source-nat and shared-partition-pool are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

sub-group

Description Divide service group members into different sub groups (Sub group ID (default is 0))

Type: number

Range: 0-15

Default: 0

template-port-pool-shared

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight (port weight)

Type: number

Range: 1-1000

Default: 1

template_connection-reuse-list

Specification	
Type	*list*
Block object keys	

keep-alive-conn

Description Keep a number of server connections open

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit-per-server

Description Max Server Connections allowed (Connections per Server Port (default 1000))

Type: number

Range: 0-65535

Default: 1000

name

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

num-conn-per-port

Description Connections per Server Port (default 100)

Type: number

Range: 1-1024

Default: 100

preopen

Description Preopen server connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout in seconds. Multiple of 60 (def 2400)

Type: number

Range: 60-3600

Default: 2400

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_link-cost-list

Specification	
Type	*list*
Block object keys	

bandwidth-interval

Description Interval duration in seconds

Type: number

Range: 1-60

Default: 5

name

Description Server Link-Cost Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

overage-bandwidth-cost

Description Configure overage bandwidth cost on real server (Overage bandwidth cost per Mbpi)

Type: number

Range: 0-4294967295

Default: 0

prepaid-bandwidth

Description Configure prepaid bandwidth on real server (Prepaid Bandwidth in Mbpi)

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_link-cost-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'link_total_fwd_bytes': Total bytes fwd for link; 'interval_fwd_bytes': Link Cost bytes processed in forward direction per interval; 'link_total_conn': Link Cost total connection; 'interval_avg_throughput': Link Cost average throughput per interval; 'interval_max_throughput': Link Cost max throughput per interval;

Type: string

Supported Values: all, link_total_fwd_bytes, interval_fwd_bytes, link_total_conn, interval_avg_throughput, interval_max_throughput

template_reqmod-icap-list

Specification	
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

allowed-http-methods

Description List of allowed HTTP methods. Default is "Allow All". (List of HTTP methods allowed (default "Allow All"))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 1 - 65535, default is 0 (1 - 65536, default is 0)

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_reqmod-icap-list_bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass reqmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

template_smpp-list

Specification	
Type	*list*
Block object keys	

client-enquire-link

Description Respond client ENQUIRE_LINK packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password

Description Configure the password used to bind

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-enquire-link

Description Send server ENQUIRE_LINK packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-enquire-link-val

Description Set interval of keep-alive packet for each persistent connection (second, default is 30)

Type: number

Range: 5-300

Default: 30

server-selection-per-request

Description Force server selection on every SMPP request when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user

Description Configure the user to bind (The name used to bind)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_smtp-list

Specification	
Type	*list*
Block object keys	

LF-to-CRLF

Description Change the LF to CRLF for smtp end of line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-domain-switching

Type: List

client-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before mail transaction;

Type: string

Supported Values: optional, enforced

command-disable

Type: List

error-code-to-client

Description Would transfer error code(554) to client, when getting it from connection establishing with real-server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-domain

Description Config the domain of the email servers (Server's domain, default is "mail-server-domain")

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

Default: mail-server-domain

server-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before mail transaction;

Type: string

Supported Values: optional, enforced

service-ready-msg

Description Set SMTP service ready message (SMTP service ready message, default is "ESMTP mail service ready")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: ESMTP mail service ready

template

Description: template is a **JSON Block**. Please see below for *template_smtp-list_template*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_smtp-list_client-domain-switching

Specification	
Type	*list*
Block object keys	

match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group

Description Select service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

switching-type

Description 'contains': Specify domain name string if domain contains another string; 'ends-with': Specify domain name string if domain ends with another string; 'starts-with': Specify domain string if domain starts with another string;

Type: string

Supported Values: contains, ends-with, starts-with

template_smtp-list_template

Specification	
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

template_smtp-list_command-disable

Specification	
Type	*list*
Block object keys	

disable-type

Description 'expn': Disable SMTP EXPN commands; 'turn': Disable SMTP TURN commands; 'vrfy': Disable SMTP VRFY commands;

Type: string

Supported Values: expn, turn, vrfy

template_external-service-list

Specification	
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

name

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-forward-list

Type: List

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

type

Description 'skyfire-icap': Skyfire ICAP service; 'url-filter': URL filtering service;

Type: string

Supported Values: skyfire-icap, url-filter

Default: url-filter

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_external-service-list_bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass external service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

template_external-service-list_request-header-forward-list

Specification	
Type	*list*
Block object keys	

request-header-forward

Description Request header to be forwarded to external service (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_tcp-list

Specification	
Type	*list*
Block object keys	

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

force-delete-timeout

Description The maximum time that a session can stay in the system before being delete (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being delete (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default off (half close idle timeout in second, default off)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default off (half open idle timeout in second, default off)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout value (default 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

initial-window-size

Description Set the initial window size (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lan-fast-ack

Description Enable fast TCP ack on LAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description Fast TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-follow-fin

Description send reset to client or server upon receiving first fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_diameter-list

Specification	
Type	*list*
Block object keys	

avp-code

Description avp code

Type: number

Range: 1-2147483647

avp-list

Type: List

avp-string

Description pattern to be matched in the avp string name, max length 127 bytes

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

customize-cea

Description customizing cea response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dwr-time

Description dwr health-check timer interval (in 100 milli second unit, default is 100, 0 means unset this option)

Type: number

Range: 0-2147483647

Default: 100

dwr-up-retry

Description number of successful dwr health-check before declaring target up

Type: number

Range: 1-7

Default: 3

forward-to-latest-server

Description Forward client message to the latest server that sends message with the same session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-unknown-session-id

Description Forward server message even it has unknown session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description user sesison idle timeout (in minutes, default is 5)

Type: number

Range: 1-65535

Default: 5

load-balance-on-session-id

Description Load balance based on the session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-code-list

Type: List

multiple-origin-host

Description allowing multiple origin-host to a single server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description diameter template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

origin-host

Description: origin-host is a **JSON Block**. Please see below for *template_diameter-list_origin-host*

Type: Object

Refernce Object: */axapi/v3/slb/template/diameter/{name}/origin-host*

origin-realm

Description origin-realm name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

product-name

Description product name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group-name

Description service group name, this is the service group that the message needs to be copied to

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

session-age

Description user session age allowed (default 10), this is not idle-time (in minutes)

Type: number

Range: 1-65535

Default: 10

terminate-on-cca-t

Description remove diameter session when receiving CCA-T message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vendor-id

Description vendor-id avp (Vendon Id)

Type: number

Range: 0-2147483647

Default: 0

template_diameter-list_message-code-list

Specification	
Type	*list*
Block object keys	

message-code

Description

Type: number

Range: 1-2147483647

template_diameter-list_avp-list

Specification	
Type	*list*
Block object keys	

avp

Description customize avps for cer to the server (avp number)

Type: number

Range: 0-2147483647

int32

Description 32 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int32 int64 and string are mutually exclusive

int64

Description 64 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int64 int32 and string are mutually exclusive

mandatory

Description mandatory avp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

string

Description String (string name, max length 127 bytes)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: string int32 and int64 are mutually exclusive

template_diameter-list_origin-host

Specification	
Type	*object*

origin-host-name

Description origin-host name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_udp-list

Specification	
Type	*list*
Block object keys	

age

Description short age

Type: number

Range: 1-31

avp

Description '4': NAS-IP-address; '8': Framed-IP-Address;

Type: string

Supported Values: 4, 8

disable-clear-session

Description Disable immediate clearing of session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description Idle Timeout value (default 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

immediate

Description Immediate Removal after Transaction

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: immediate and short are mutually exclusive

name

Description Fast UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

radius-lb-method-hash-type

Description 'ip': IP-Hash;

Type: string

Supported Values: ip

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

short

Description Short lived session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: short and immediate are mutually exclusive

stateless-conn-timeout

Description Stateless Current Connection Timeout value (5 - 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 5-120

Default: 120

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_link-down-on-restart

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-policy-list

Specification	
Type	*list*
Block object keys	

cookie-name

Description name of cookie to match (Cookie Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

geo-location-match

Type: List

http-policy-match

Type: List

multi-match-rule-list

Type: List

Refernce Object: */axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}*

name

Description http-policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-policy-list_http-policy-match

Specification	
Type	*list*
Block object keys	

match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

match-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

template

Description 'waf': waf; (WAF template to be used)

Type: string

Supported Values: waf

template-name

Description WAF template to be used (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

type

Description 'cookie': cookie value match; 'host': hostname match; 'url': URL match;

Type: string

Supported Values: cookie, host, url, header-name, header-value, query-param-name, query-param-value

template_http-policy-list_multi-match-rule-list

Specification	
Type	*list*
Block object keys	

cookie-name-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-contains-type

Description 'contains': Cookie name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-name-contains-typecookie-name-equals-type, cookie-name-starts-with-type and cookie-name-ends-with-type are mutually exclusive

cookie-name-ends-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-ends-with-type

Description 'ends-with': Cookie name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-name-ends-with-typecookie-name-equals-type, cookie-name-contains-type and cookie-name-starts-with-type are mutually exclusive

cookie-name-equals-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-equals-type

Description 'equals': Cookie name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-name-equals-typecookie-name-contains-type, cookie-name-starts-with-type and cookie-name-ends-with-type are mutually exclusive

cookie-name-starts-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-starts-with-type

Description 'starts-with': Cookie name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-name-starts-with-typecookie-name-equals-type, cookie-name-contains-type and cookie-name-ends-with-type are mutually exclusive

cookie-value-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-contains-type

Description 'contains': Cookie value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-value-contains-typecookie-value-equals-type, cookie-value-starts-with-type and cookie-value-ends-with-type are mutually exclusive

cookie-value-ends-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-ends-with-type

Description 'ends-with': Cookie value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-value-ends-with-typecookie-value-equals-type, cookie-value-contains-type and cookie-value-starts-with-type are mutually exclusive

cookie-value-equals-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-equals-type

Description 'equals': Cookie value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-value-equals-typecookie-value-contains-type, cookie-value-starts-with-type and cookie-value-ends-with-type are mutually exclusive

cookie-value-starts-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-starts-with-type

Description 'starts-with': Cookie value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-value-starts-with-typecookie-value-equals-type, cookie-value-contains-type and cookie-value-ends-with-type are mutually exclusive

header-name-contains-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-contains-type

Description 'contains': Header name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-name-contains-typeheader-name-equals-type, header-name-starts-with-type and header-name-ends-with-type are mutually exclusive

header-name-ends-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-ends-with-type

Description 'ends-with': Header name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-name-ends-with-typeheader-name-equals-type, header-name-contains-type and header-name-starts-with-type are mutually exclusive

header-name-equals-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-equals-type

Description 'equals': Header name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-name-equals-typeheader-name-contains-type, header-name-starts-with-type and header-name-ends-with-type are mutually exclusive

header-name-starts-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-starts-with-type

Description 'starts-with': Header name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-name-starts-with-typeheader-name-equals-type, header-name-contains-type and header-name-ends-with-type are mutually exclusive

header-value-contains-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-contains-type

Description 'contains': Header value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-value-contains-typeheader-value-equals-type, header-value-starts-with-type and header-value-ends-with-type are mutually exclusive

header-value-ends-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-ends-with-type

Description 'ends-with': Header value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-value-ends-with-typeheader-value-equals-type, header-value-contains-type and header-value-starts-with-type are mutually exclusive

header-value-equals-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-equals-type

Description 'equals': Header value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-value-equals-typeheader-value-contains-type, header-value-starts-with-type and header-value-ends-with-type are mutually exclusive

header-value-starts-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-starts-with-type

Description 'starts-with': Header value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-value-starts-with-typeheader-value-equals-type, header-value-contains-type and header-value-ends-with-type are mutually exclusive

host-contains-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-contains-type

Description 'contains': Host contains string;

Type: string

Supported Values: contains

Mutual Exclusion: host-contains-typehost-equals-type, host-starts-with-type and host-ends-with-type are mutually exclusive

host-ends-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-ends-with-type

Description 'ends-with': Host ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: host-ends-with-typehost-equals-type, host-contains-type and host-starts-with-type are mutually exclusive

host-equals-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-equals-type

Description 'equals': Host equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: host-equals-typehost-contains-type, host-starts-with-type and host-ends-with-type are mutually exclusive

host-starts-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-starts-with-type

Description 'starts-with': Host starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: host-starts-with-typehost-equals-type, host-contains-type and host-ends-with-type are mutually exclusive

multi-match

Description Specify a multi-match-rule name

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

query-param-name-contains-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-contains-type

Description 'contains': query parameter name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-name-contains-typequery-param-name-equals-type, query-param-name-starts-with-type and query-param-name-ends-with-type are mutually exclusive

query-param-name-ends-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-ends-with-type

Description 'ends-with': query parameter name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-name-ends-with-typequery-param-name-equals-type, query-param-name-contains-type and query-param-name-starts-with-type are mutually exclusive

query-param-name-equals-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-equals-type

Description 'equals': query parameter name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-name-equals-typequery-param-name-contains-type, query-param-name-starts-with-type and query-param-name-ends-with-type are mutually exclusive

query-param-name-starts-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-starts-with-type

Description 'starts-with': query parameter name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-name-starts-with-typequery-param-name-equals-type, query-param-name-contains-type and query-param-name-ends-with-type are mutually exclusive

query-param-value-contains-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-contains-type

Description 'contains': query parameter value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-value-contains-typequery-param-value-equals-type, query-param-value-starts-with-type and query-param-value-ends-with-type are mutually exclusive

query-param-value-ends-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-ends-with-type

Description 'ends-with': query parameter value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-value-ends-with-typequery-param-value-equals-type, query-param-value-contains-type and query-param-value-starts-with-type are mutually exclusive

query-param-value-equals-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-equals-type

Description 'equals': query parameter value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-value-equals-typequery-param-value-contains-type, query-param-value-starts-with-type and query-param-value-ends-with-type are mutually exclusive

query-param-value-starts-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-starts-with-type

Description 'starts-with': query parameter value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-value-starts-with-typequery-param-value-equals-type, query-param-value-contains-type and query-param-value-ends-with-type are mutually exclusive

seq-num

Description Specify a sequence number

Type: number

Range: 1-8192

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

template-waf

Description Waf Template to be used (Waf Template Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

url-contains-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-contains-type

Description 'contains': URL contains string;

Type: string

Supported Values: contains

Mutual Exclusion: url-contains-typeurl-equals-type, url-starts-with-type and url-ends-with-type are mutually exclusive

url-ends-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-ends-with-type

Description 'ends-with': URL ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: url-ends-with-typeurl-equals-type, url-contains-type and url-starts-with-type are mutually exclusive

url-equals-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-equals-type

Description 'equals': URL equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: url-equals-typeurl-contains-type, url-starts-with-type and url-ends-with-type are mutually exclusive

url-starts-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-starts-with-type

Description 'starts-with': URL starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: url-starts-with-typeurl-equals-type, url-contains-type and url-ends-with-type are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-policy-list_geo-location-match

Specification	
Type	*list*
Block object keys	

geo-location

Description Geolocation name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

geo-location-service-group

Description Service Group to be used (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

geo-location-template

Description 'waf': waf; (WAF template to be used)

Type: string

Supported Values: waf

geo-location-template-name

Description WAF template to be used (Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

template_link-probe-list

Specification	
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *template_link-probe-list_destination*

Type: Object

Refernce Object: */axapi/v3/slb/template/link-probe/{name}/destination*

disable

Description Disable Probe template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expected-status-code

Description Specify response code range (e.g. 200,400-430), default is 200 (Format is xx,xx-xx (xx between [100, 899]), default is 200)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: 200

name

Description probe template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

probe-interval

Description Time between each probe that needs to be sent out (in seconds, default is 5)

Type: number

Range: 1-7200

Default: 5

probes-per-test

Description Total number of probes to be sent out for each test

Type: number

Range: 1-10

Default: 5

rtt-method

Description 'http-rtt': Calculate Round Trip Time between HTTP request and response; 'tcp-srtt': Use TCP Smoothed round trip time in the HTTP connection;

Type: string

Supported Values: http-rtt, tcp-srtt

Default: http-rtt

selection-rule

Description 'threshold': Use all links below a threshold before selecting the fastest link; 'fastest-link-always': Always use the link with the lowest average latency;

Type: string

Supported Values: threshold, fastest-link-always

Default: fastest-link-always

test-interval

Description time interval between subsequent tests (in seconds, default is 60)

Type: number

Range: 1-7200

Default: 60

threshold-value

Description Use all links below a threshold before selecting the fastest link (RTT in milliseconds)

Type: number

Range: 0-65534

Default: 0

url

Description Specify URL to which probes should be sent out. Default is /

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: /

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_link-probe-list_destination

Specification	
Type	*object*

hostname

Description Target Hostname

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve the configured hostname; 'resolve-to-ipv6': Use AAAA Query only to resolve the configured hostname;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6

Mutual Exclusion: resolve-as static-ipv4-addr and static-ipv6-addr are mutually exclusive

static-ipv4-addr

Description Target IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: static-ipv4-addr resolve-as and static-ipv6-addr are mutually exclusive

static-ipv6-addr

Description Target IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: static-ipv6-addr resolve-as and static-ipv4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_client-ssl-list

Specification	
Type	*list*
Block object keys	

ad-group-list

Description Forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

auth-sg

Description Specify authorization LDAP service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: auth-sg and authen-name are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

auth-sg-dn

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-sg-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

auth-username

Description Specify the Username Field in the Client Certificate(If multi-fields are specificed, prior one has higher priority)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username-attribute

Description Specify attribute name of username for client SSL authorization

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

authen-name

Description Specify authorization LDAP server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: authen-name and auth-sg are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

authorization

Description Specify LDAP server for client SSL authorizaiton

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-cert-issuer-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-class-list-name and bypass-cert-issuer-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-issuer-multi-class-list

Type: List

bypass-cert-san-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-class-list-name and bypass-cert-san-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-san-multi-class-list

Type: List

bypass-cert-subject-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-class-list-name and bypass-cert-subject-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-subject-multi-class-list

Type: List

ca-certs

Type: List

cache-persistence-list-name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

case-insensitive

Description Case insensitive forward proxy bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-revoke-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

cert-unknown-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

certificate-issuer-contains-list

Type: List

certificate-issuer-ends-with-list

Type: List

certificate-issuer-equals-list

Type: List

certificate-issuer-starts-with-list

Type: List

certificate-list

Type: List

Refernce Object: */axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}*

certificate-san-contains-list

Type: List

certificate-san-ends-with-list

Type: List

certificate-san-equals-list

Type: List

certificate-san-starts-with-list

Type: List

certificate-subject-contains-list

Type: List

certificate-subject-ends-with-list

Type: List

certificate-subject-equals-list

Type: List

certificate-subject-starts-with-list

Type: List

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert and chain-cert-shared-str are mutually exclusive

chain-cert-shared-str

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert-shared-str and chain-cert are mutually exclusive

cipher-without-prio-list

Type: List

class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: class-list-name and multi-clist-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

client-auth-case-insensitive

Description Case insensitive forward proxy client auth bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-auth-class-list

Description Forward proxy client auth bypass if SNI string matches class-list (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-contains-list

Type: List

client-auth-ends-with-list

Type: List

client-auth-equals-list

Type: List

client-auth-starts-with-list

Type: List

client-certificate

Description 'Ignore': Don't request client certificate; 'Require': Require client certificate; 'Request': Request client certificate;

Type: string

Supported Values: Ignore, Require, Request

Default: Ignore

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

contains-list

Type: List

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

direct-client-server-auth

Description Let backend server does SSL client authentication directly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv3

Description Reject Client requests for SSL version 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ends-with-list

Type: List

equals-list

Type: List

exception-ad-group-list

Description Exceptions to forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-issuer-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-san-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-subject-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-sni-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-user-name-list

Description Exceptions to forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-web-category

Description: exception-web-category is a **JSON Block**. Please see below for *template_client-ssl-list_exception-web-category*

Type: Object

exception-web-reputation

Description: exception-web-reputation is a **JSON Block**. Please see below for *template_client-ssl-list_exception-web-reputation*

Type: Object

expire-hours

Description Certificate lifetime in hours

Type: number

Range: 1-168

forward-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: forward-encrypted and fp-ca-certificate are mutually exclusive

forward-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-passphrase and fp-ca-certificate are mutually exclusive

forward-proxy-alt-sign

Description Forward proxy alternate signing cert and key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-block-message

Description Message to be included on the block page (Message, enclose in quotes if spaces are present)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

forward-proxy-ca-cert

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-certfp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert and fp-ca-certificate-shared are mutually exclusive

forward-proxy-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-keyfp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert and fp-ca-certificate-shared are mutually exclusive

forward-proxy-cert-cache-limit

Description Certificate cache size limit, default is 524288 (set to 0 for unlimited size)

Type: number

Range: 0-2147483647

Default: 524288

forward-proxy-cert-cache-timeout

Description Certificate cache timeout, default is 1 hour (seconds, set to 0 for never timeout)

Type: number

Range: 0-2147483647

Default: 3600

forward-proxy-cert-expiry

Description Adjust certificate expiry relative to the time when it is created on the device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-cert-not-ready-action

Description 'bypass': bypass the connection; 'reset': reset the connection;

Type: string

Supported Values: bypass, reset, intercept

Default: bypass

forward-proxy-cert-revoke-action

Description Action taken if a certificate is irreversibly revoked, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-cert-unknown-action

Description Action taken if a certificate revocation status is unknown, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-crl-disable

Description Disable Certificate Revocation List checking for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-decrypted-dscp

Description Apply a DSCP to decrypted and bypassed traffic (DSCP to apply to decrypted traffic)

Type: number

Range: 1-63

forward-proxy-decrypted-dscp-bypass

Description DSCP to apply to bypassed traffic

Type: number

Range: 1-63

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-esni-action

Description Action taken if receiving encrypted server name indication extension in client hello MSG, bypass the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-failsafe-disable

Description Disable Failsafe for SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hash-persistence-interval

Description Set the time interval to save the hash persistence certs (Interval value, in minutes)

Type: number

Range: 1-720

Default: 30

forward-proxy-log-disable

Description Disable SSL forward proxy logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-no-shared-cipher-action

Description Action taken if handshake fails due to no shared ciper, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-no-sni-action

Description 'intercept': intercept in no SNI case; 'bypass': bypass in no SNI case; 'reset': reset in no SNI case;

Type: string

Supported Values: intercept, bypass, reset

Default: intercept

forward-proxy-ocsp-disable

Description Disable ocsp-stapling for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-require-sni-cert-matched

Description 'no-match-action-inspect': Inspected if not matched; 'no-match-action-drop': Dropped if not matched;

Type: string

Supported Values: no-match-action-inspect, no-match-action-drop

forward-proxy-selfsign-redir

Description Redirect connections to pages with self signed certs to a warning page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-ssl-version

Description TLS/SSL version, default is TLS1.2 (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 31-34

Default: 33

forward-proxy-trusted-ca-lists

Type: List

forward-proxy-verify-cert-fail-action

Description Action taken if certificate verification fails, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fp-alt-cert

Description CA Certificate for forward proxy alternate signing (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

fp-alt-key

Description CA Private Key for forward proxy alternate signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

fp-alt-shared

Description Alternate CA Certificate and Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-ca-certificate

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-certificateforward-proxy-ca-cert, fp-ca-shared, forward-proxy-ca-key, forward-passphrase, forward-encrypted and fp-ca-key-shared are mutually exclusive

fp-ca-certificate-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-certificate-shared forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-chain-cert forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: fp-ca-key-encrypted forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key-passphrase forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-key-shared and fp-ca-certificate are mutually exclusive

fp-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-shared and fp-ca-certificate are mutually exclusive

fp-cert-ext-aia-ca-issuers

Description CA Issuers (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ca-issuers and fp-cert-ext-aia-ocsp are mutually exclusive

fp-cert-ext-aia-ocsp

Description OCSP (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ocsp and fp-cert-ext-aia-ca-issuers are mutually exclusive

fp-cert-ext-crldp

Description CRL Distribution Point (CRL Distribution Point URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-cert-fetch-autonat

Description 'auto': Configure auto NAT for server certificate fetching;

Type: string

Supported Values: auto

Mutual Exclusion: fp-cert-fetch-autonat and fp-cert-fetch-natpool-name are mutually exclusive

fp-cert-fetch-autonat-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-cert-fetch-natpool-name

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-fetch-natpool-name shared-partition-pool and fp-cert-fetch-autonat are mutually exclusive

fp-cert-fetch-natpool-name-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

fp-cert-fetch-natpool-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-esni-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: bypass

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hsm-type

Description 'thales-embed': Thales embed key; 'thales-hwcrhk': Thales hwcrhk Key;

Type: string

Supported Values: thales-embed, thales-hwcrhk

inspect-certificate-issuer-cl-name

Description Forward proxy Inspect if Certificate issuer matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-certificate-san-cl-name

Description Forward proxy Inspect if Certificate Subject Alternative Name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-certificate-subject-cl-name

Description Forward proxy Inspect if Certificate Subject matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ldap-base-dn-from-cert

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-search-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-class-list

Type: List

name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-anti-replay

Description Disable anti-replay protection for TLS 1.3 early data (0-RTT data)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-shared-cipher-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: drop

non-ssl-bypass-l4session

Description Handle the non-ssl session as L4 for performance optimization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-bypass-service-group

Description Service Group for Bypass non-ssl traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

notafter

Description notAfter date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notafterday

Description Day

Type: number

Range: 1-31

notaftermonth

Description Month

Type: number

Range: 1-12

notafteryear

Description Year

Type: number

Range: 2005-2035

notbefore

Description notBefore date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notbeforeday

Description Day

Type: number

Range: 1-31

notbeforemonth

Description Month

Type: number

Range: 1-12

notbeforeyear

Description Year

Type: number

Range: 2005-2035

ocsp-stapling

Description Config OCSP stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-ca-cert

Description CA certificate

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ocspst-ocsp

Description Specify OCSP Authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-sg

Description Specify authentication service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-sg and ocspst-srvr are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

ocspst-sg-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-sg-days ocspst-sg-hours and ocspst-sg-minutes are mutually exclusive

ocspst-sg-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-sg-hours ocspst-sg-days and ocspst-sg-minutes are mutually exclusive

ocspst-sg-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-sg-minutes ocspst-sg-days and ocspst-sg-hours are mutually exclusive

ocspst-sg-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

ocspst-srvr

Description Specify OCSP authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-srvr and ocspst-sg are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

ocspst-srvr-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-srvr-days ocspst-srvr-hours and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-srvr-hours ocspst-srvr-days and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-srvr-minutes ocspst-srvr-days and ocspst-srvr-hours are mutually exclusive

ocspst-srvr-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-ca-lists

Type: List

require-web-category

Description Wait for web category to be resolved before taking bypass decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-auto-map

Description Enable automatic mapping of server name indication in Client hello extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-list

Type: List

session-cache-size

Description Session Cache Size (Specify 0 to disable Session ID reuse.)

Type: number

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds)

Type: number

Range: 0-604800

Default: 0

session-ticket-disable

Description Disable client side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-lifetime

Description Session ticket lieftime in seconds from stateless session resumption (Lifetime value in seconds)

Type: number

Range: 0-2147483647

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template template-cipher and cipher-wo-prio are mutually exclusive

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and fp-cert-fetch-natpool-name are mutually exclusive

sni-bypass-enable-log

Description Enable logging when bypass event happens, disabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-expired-cert

Description Bypass when certificate expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-explicit-list

Description Bypass when matched explicit bypass list (Specify class list name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

sni-bypass-missing-cert

Description Bypass when missing cert/key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-enable-log

Description Enable logging of sni-auto-map failures. Disable by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-false-start-disable

Description disable SSL False Start

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

sslv2-bypass-service-group

Description Service Group for Bypass SSLV2 (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

starts-with-list

Type: List

template-cipher

Description Cipher Template (Cipher Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cipher shared-partition-cipher-template and cipher-wo-prio are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cipher*

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cipher*

template-hsm

Description HSM Template (HSM Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/hsm/template*

user-name-list

Description Forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-cert-fail-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: drop

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 1-34

web-category

Description: web-category is a **JSON Block**. Please see below for *template_client-ssl-list_web-category*

Type: Object

web-reputation

Description: web-reputation is a **JSON Block**. Please see below for *template_client-ssl-list_web-reputation*

Type: Object

template_client-ssl-list_bypass-cert-subject-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-subject-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-multi-class-list-name and bypass-cert-subject-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

template_client-ssl-list_certificate-san-contains-list

Specification	
Type	*list*
Block object keys	

certificate-san-contains

Description Forward proxy bypass if Certificate SAN contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_equals-list

Specification	
Type	*list*
Block object keys	

equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_forward-proxy-trusted-ca-lists

Specification	
Type	*list*
Block object keys	

forward-proxy-trusted-ca

Description Forward proxy trusted CA file (CA file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-trusted-ca-shared

Description Trusted CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_client-ssl-list_ec-list

Specification	
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1

template_client-ssl-list_contains-list

Specification	
Type	*list*
Block object keys	

contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_ends-with-list

Specification	
Type	*list*
Block object keys	

ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_ca-certs

Specification	
Type	*list*
Block object keys	

ca-cert

Description CA Certificate (CA Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp

Description Specify ocsp authentication server(s) for client certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/service-group*

client-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance*

template_client-ssl-list_client-auth-contains-list

Specification	
Type	*list*
Block object keys	

client-auth-contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-subject-contains-list

Specification	
Type	*list*
Block object keys	

certificate-subject-contains

Description Forward proxy bypass if Certificate Subject contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_req-ca-lists

Specification	
Type	*list*
Block object keys	

client-cert-req-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-certificate-Request-CA

Description Send CA lists in certificate request (CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-subject-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-subject-starts

Description Forward proxy bypass if Certificate Subject starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_web-reputation

Specification	
Type	*object*

bypass-low-risk

Description Bypass when reputation score is greater than or equal to 61

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-low-riskbypass-trustworthy, bypass-moderate-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

bypass-malicious

Description Bypass when reputation score is greater than or equal to 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-maliciousbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious and bypass-threshold are mutually exclusive

bypass-moderate-risk

Description Bypass when reputation score is greater than or equal to 41

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-moderate-riskbypass-trustworthy, bypass-low-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

bypass-suspicious

Description Bypass when reputation score is greater than or equal to 21

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-suspiciousbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-malicious and bypass-threshold are mutually exclusive

bypass-threshold

Description Bypass when reputation score is greater than or equal to the customized score (1-100)

Type: number

Range: 1-100

Mutual Exclusion: bypass-thresholdbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious and bypass-malicious are mutually exclusive

bypass-trustworthy

Description Bypass when reputation score is greater than or equal to 81

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-trustworthybypass-low-risk, bypass-moderate-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

template_client-ssl-list_bypass-cert-issuer-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-issuer-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-multi-class-list-name and bypass-cert-issuer-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

template_client-ssl-list_client-auth-equals-list

Specification	
Type	*list*
Block object keys	

client-auth-equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-issuer-equals-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-equals

Description Forward proxy bypass if Certificate issuer equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-san-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-san-ends-with

Description Forward proxy bypass if Certificate SAN ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_crl-certs

Specification	
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_client-ssl-list_certificate-list

Specification	
Type	*list*
Block object keys	

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key

Description Server Private Key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Server Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_client-ssl-list_multi-class-list

Specification	
Type	*list*
Block object keys	

multi-clist-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: multi-clist-name and class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

template_client-ssl-list_certificate-issuer-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-ends-with

Description Forward proxy bypass if Certificate issuer ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_web-category

Specification	
Type	*object*

abortion

Description Category Abortion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adult-and-pornography

Description Category Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alcohol-and-tobacco

Description Category Alcohol and Tobacco

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auctions

Description Category Auctions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bot-nets

Description Category Bot Nets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

business-and-economy

Description Category Business and Economy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cdns

Description Category CDNs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cheating

Description Category Cheating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-info

Description Category Computer and Internet Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-security

Description Category Computer and Internet Security

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

confirmed-spam-sources

Description Category Confirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cult-and-occult

Description Category Cult and Occult

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dating

Description Category Dating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-sites

Description Category Dead Sites (db Ops only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drugs

Description Category Abused Drugs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-comment

Description Category Dynamic Comment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

educational-institutions

Description Category Educational Institutions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entertainment-and-arts

Description Category Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fashion-and-beauty

Description Category Fashion and Beauty

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

financial-services

Description Category Financial Services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

food-and-dining

Description Category Food and Dining

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gambling

Description Category Gambling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

games

Description Category Games

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

government

Description Category Government

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gross

Description Category Gross

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hacking

Description Category Hacking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hate-and-racism

Description Category Hate and Racism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-and-medicine

Description Category Health and Medicine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

home-and-garden

Description Category Home and Garden

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hunting-and-fishing

Description Category Hunting and Fishing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal

Description Category Illegal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal-pornography

Description Category Illegal join Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

image-and-video-search

Description Category Image and Video Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-communications

Description Category Internet Communications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-portals

Description Category Internet Portals

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-search

Description Category Job Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keyloggers-and-monitoring

Description Category Keyloggers and Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kids

Description Category Kids

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

legal

Description Category Legal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-information

Description Category Local Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malware-sites

Description Category Malware Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

marijuana

Description Category Marijuana

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

military

Description Category Military

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

motor-vehicles

Description Category Motor Vehicles

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

music

Description Category Music

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

news-and-media

Description Category News and Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity

Description Category Nudity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity-artistic

Description Category Nudity join Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

online-greeting-cards

Description Category Online Greeting cards

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-http-proxies

Description Category Open HTTP Proxies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parked-domains

Description Category Parked Domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pay-to-surf

Description Category Pay to Surf

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-to-peer

Description Category Peer to Peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-sites-and-blogs

Description Category Personal sites and Blogs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-storage

Description Category Personal Storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

philosophy-and-politics

Description Category Philosophy and Political Advocacy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

phishing-and-other-fraud

Description Category Phishing and Other Frauds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

private-ip-addresses

Description Category Private IP Addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-avoid-and-anonymizers

Description Category Proxy Avoid and Anonymizers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

questionable

Description Category Questionable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-estate

Description Category Real Estate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recreation-and-hobbies

Description Category Recreation and Hobbies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reference-and-research

Description Category Reference and Research

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

religion

Description Category Religion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-engines

Description Category Search Engines

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sex-education

Description Category Sex Education

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shareware-and-freeware

Description Category Shareware and Freeware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shopping

Description Category Shopping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

social-network

Description Category Social Network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

society

Description Category Society

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spam-urls

Description Category SPAM URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sports

Description Category Sports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spyware-and-adware

Description Category Spyware and Adware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stock-advice-and-tools

Description Category Stock Advice and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

streaming-media

Description Category Streaming Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

swimsuits-and-intimate-apparel

Description Category Swimsuits and Intimate Apparel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

training-and-tools

Description Category Training and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translation

Description Category Translation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

travel

Description Category Travel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uncategorized

Description Uncategorized URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unconfirmed-spam-sources

Description Category Unconfirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

violence

Description Category Violence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weapons

Description Category Weapons

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-advertisements

Description Category Web Advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-based-email

Description Category Web based email

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-hosting-sites

Description Category Web Hosting Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_client-ssl-list_certificate-san-equals-list

Specification	
Type	*list*
Block object keys	

certificate-san-equals

Description Forward proxy bypass if Certificate SAN equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-issuer-contains-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-contains

Description Forward proxy bypass if Certificate issuer contains another string (Certificate issuer)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_client-auth-starts-with-list

Specification	
Type	*list*
Block object keys	

client-auth-starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-subject-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-subject-ends-with

Description Forward proxy bypass if Certificate Subject ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_bypass-cert-san-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-san-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-multi-class-list-name and bypass-cert-san-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

template_client-ssl-list_server-name-list

Specification	
Type	*list*
Block object keys	

server-cert

Description Server Certificate associated to SNI (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-cert-regex

Description Server Certificate associated to SNI regex (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-chain

Description Server Certificate Chain associated to SNI (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-chain-regex

Description Server Certificate Chain associated to SNI regex (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-encrypted-regex

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-key

Description Server Private Key associated to SNI (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-key-regex

Description Server Private Key associated to SNI regex (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-name

Description Server name indication in Client hello extension (Server name String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-regex

Description Server name indication in Client hello extension with regular expression (Server name String with regex)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-regex-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-passphrase

Description help Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

server-passphrase-regex

Description help Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

server-shared

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-shared-regex

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_client-ssl-list_exception-web-category

Specification	
Type	*object*

exception-abortion

Description Category Abortion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-adult-and-pornography

Description Category Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-alcohol-and-tobacco

Description Category Alcohol and Tobacco

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-auctions

Description Category Auctions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-bot-nets

Description Category Bot Nets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-business-and-economy

Description Category Business and Economy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cdns

Description Category CDNs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cheating

Description Category Cheating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-computer-and-internet-info

Description Category Computer and Internet Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-computer-and-internet-security

Description Category Computer and Internet Security

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-confirmed-spam-sources

Description Category Confirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cult-and-occult

Description Category Cult and Occult

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dating

Description Category Dating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dead-sites

Description Category Dead Sites (db Ops only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-drugs

Description Category Abused Drugs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dynamic-comment

Description Category Dynamic Comment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-educational-institutions

Description Category Educational Institutions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-entertainment-and-arts

Description Category Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-fashion-and-beauty

Description Category Fashion and Beauty

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-financial-services

Description Category Financial Services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-food-and-dining

Description Category Food and Dining

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-gambling

Description Category Gambling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-games

Description Category Games

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-government

Description Category Government

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-gross

Description Category Gross

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hacking

Description Category Hacking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hate-and-racism

Description Category Hate and Racism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-health-and-medicine

Description Category Health and Medicine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-home-and-garden

Description Category Home and Garden

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hunting-and-fishing

Description Category Hunting and Fishing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-illegal

Description Category Illegal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-illegal-pornography

Description Category Illegal join Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-image-and-video-search

Description Category Image and Video Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-internet-communications

Description Category Internet Communications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-internet-portals

Description Category Internet Portals

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-job-search

Description Category Job Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-keyloggers-and-monitoring

Description Category Keyloggers and Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-kids

Description Category Kids

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-legal

Description Category Legal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-local-information

Description Category Local Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-malware-sites

Description Category Malware Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-marijuana

Description Category Marijuana

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-military

Description Category Military

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-motor-vehicles

Description Category Motor Vehicles

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-music

Description Category Music

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-news-and-media

Description Category News and Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-nudity

Description Category Nudity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-nudity-artistic

Description Category Nudity join Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-online-greeting-cards

Description Category Online Greeting cards

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-open-http-proxies

Description Category Open HTTP Proxies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-parked-domains

Description Category Parked Domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-pay-to-surf

Description Category Pay to Surf

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-peer-to-peer

Description Category Peer to Peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-personal-sites-and-blogs

Description Category Personal sites and Blogs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-personal-storage

Description Category Personal Storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-philosophy-and-politics

Description Category Philosophy and Political Advocacy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-phishing-and-other-fraud

Description Category Phishing and Other Frauds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-private-ip-addresses

Description Category Private IP Addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-proxy-avoid-and-anonymizers

Description Category Proxy Avoid and Anonymizers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-questionable

Description Category Questionable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-real-estate

Description Category Real Estate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-recreation-and-hobbies

Description Category Recreation and Hobbies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-reference-and-research

Description Category Reference and Research

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-religion

Description Category Religion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-search-engines

Description Category Search Engines

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-sex-education

Description Category Sex Education

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-shareware-and-freeware

Description Category Shareware and Freeware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-shopping

Description Category Shopping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-social-network

Description Category Social Network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-society

Description Category Society

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-spam-urls

Description Category SPAM URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-sports

Description Category Sports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-spyware-and-adware

Description Category Spyware and Adware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-stock-advice-and-tools

Description Category Stock Advice and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-streaming-media

Description Category Streaming Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-swimsuits-and-intimate-apparel

Description Category Swimsuits and Intimate Apparel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-training-and-tools

Description Category Training and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-translation

Description Category Translation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-travel

Description Category Travel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-uncategorized

Description Uncategorized URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-unconfirmed-spam-sources

Description Category Unconfirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-violence

Description Category Violence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-weapons

Description Category Weapons

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-advertisements

Description Category Web Advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-based-email

Description Category Web based email

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-hosting-sites

Description Category Web Hosting Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_client-ssl-list_certificate-issuer-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-starts

Description Forward proxy bypass if Certificate issuer starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-san-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-san-starts

Description Forward proxy bypass if Certificate SAN starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_client-auth-ends-with-list

Specification	
Type	*list*
Block object keys	

client-auth-ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_exception-web-reputation

Specification	
Type	*object*

exception-low-risk

Description Intercept when reputation score is less than or equal to 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-low-riskexception-trustworthy, exception-moderate-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

exception-malicious

Description Intercept when reputation score is less than or equal to 20

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-maliciousexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious and exception-threshold are mutually exclusive

exception-moderate-risk

Description Intercept when reputation score is less than or equal to 60

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-moderate-riskexception-trustworthy, exception-low-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

exception-suspicious

Description Intercept when reputation score is less than or equal to 40

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-suspiciousexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-malicious and exception-threshold are mutually exclusive

exception-threshold

Description Intercept when reputation score is less than or equal to a customized value (1-100)

Type: number

Range: 1-100

Mutual Exclusion: exception-thresholdexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious and exception-malicious are mutually exclusive

exception-trustworthy

Description Intercept when reputation score is less than or equal to 100

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-trustworthyexception-low-risk, exception-moderate-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

template_client-ssl-list_certificate-subject-equals-list

Specification	
Type	*list*
Block object keys	

certificate-subject-equals

Description Forward proxy bypass if Certificate Subject equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_cipher-without-prio-list

Specification	
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA':

TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio template-cipher and shared-partition-cipher-template are mutually exclusive

template_client-ssl-list_starts-with-list

Specification	
Type	*list*
Block object keys	

starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_link-block-as-down

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dynamic-service-list

Specification	
Type	*list*
Block object keys	

dns-server

Type: List

name

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dynamic-service-list_dns-server

Specification	
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

template_dblb-list

Specification	
Type	*list*
Block object keys	

calc-sha1

Description: calc-sha1 is a **JSON Block**. Please see below for *template_dblb-list_calc-sha1*

Type: Object

Refernce Object: */axapi/v3/slb/template/dblb/{name}/calc-sha1*

class-list

Description Specify user/password string class list (Class list name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description DBLB template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-version

Description 'MSSQL2008': MSSQL server 2008 or 2008 R2; 'MSSQL2012': MSSQL server 2012; 'MySQL': MySQL server (any version);

Type: string

Supported Values: MSSQL2008, MSSQL2012, MySQL

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dblb-list_calc-sha1

Specification	
Type	*object*

sha1-value

Description Cleartext password

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

template_fix-list

Specification	
Type	*list*
Block object keys	

insert-client-ip

Description Insert client ip to tag 11447

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tag-switching

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_fix-list_tag-switching

Specification	
Type	*list*
Block object keys	

equals

Description Equals (Tag String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

switching-type

Description 'sender-comp-id': Select service group based on SenderCompID; 'target-comp-id': Select service group based on TargetCompID;

Type: string

Supported Values: sender-comp-id, target-comp-id

template_persist

Specification	
Type	*object*

cookie-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/cookie/{name}*

destination-ip-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/destination-ip/{name}*

source-ip-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/source-ip/{name}*

ssl-sid-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid/{name}*

template_persist_destination-ip-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of destination IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Destination IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_persist_source-ip-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-higher-priority

Description Enforce to use high priority node if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of source IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-dst-ip

Description Include destination IP on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-sport

Description Include source port on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Source IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

primary-port

Description Primary port to create the persist session

Type: number

Range: 1-65534

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_persist_cookie-list

Specification	
Type	*list*
Block object keys	

cookie-name

Description Set cookie name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: sto-id

domain

Description Set cookie domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypt-level

Description Encryption level for cookie name / value

Type: number

Range: 0-1

Default: 1

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

expire

Description Set cookie expiration time (Expiration in seconds)

Type: number

Range: 0-31536000

Default: 31536000

httponly

Description Enable HttpOnly attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-always

Description Insert persist cookie to every reponse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persist for server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pass-phrase

Description Set passphrase for encryption

Type: string

Format: password

Maximum Length: 8 characters

Maximum Length: 8 characters

Default: ACOS4KEY

pass-thru

Description Pass thru mode - Server sends the persist cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

path

Description Set cookie path (Cookie path, default is "/")

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: /

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute;

Type: string

Supported Values: host, secure

samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

scan-all-members

Description Persist within the same server SCAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure

Description Enable secure attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

server-service-group

Description Persist to the same server and within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_persist_ssl-sid-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SSL session ID persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_doh-list

Specification	
Type	*list*
Block object keys	

conn-reuse

Description 'enable': Enable Connection Reuse; 'disable': Disable Connection-Reuse (Default);

Type: string

Supported Values: enable, disable

Default: disable

dns-retry

Description: dns-retry is a **JSON Block**. Please see below for *template_doh-list_dns-retry*

Type: Object

Refernce Object: */axapi/v3/slb/template/doh/{name}/dns-retry*

forwarder

Description: forwarder is a **JSON Block**. Please see below for *template_doh-list_forwarder*

Type: Object

Refernce Object: */axapi/v3/slb/template/doh/{name}/forwarder*

name

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-dns-request

Description 'allow': Forward Non-DoH request to http server bound to vport; 'reject': Reject Non-DoH requests with HTTP 400 Bad Request (Default);

Type: string

Supported Values: allow, reject

Default: reject

reject-status-code

Description '400': Status Code 400 BAD Request (Default); '500': Status Code 500 Internal Server Error; '501': Status Code 501 Not Implemented;

Type: string

Supported Values: 400, 500, 501

Default: 400

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

snat-pool

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

source-nat

Description 'auto': Perform Source NAT Auto for service-group(Default) (Not supported with forwarding-ip); 'disable': Don't perform source-nat for server side DNS queries; 'pool': Perform Source NAT with specific pool;

Type: string

Supported Values: auto, disable, pool

Default: auto

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_doh-list_forwarder

Specification	
Type	*object*

forwarding-ipv4

Description SLB VIP IPv4 address to forward DOH query (IP address)

Type: string

Format: ipv4-address

Mutual Exclusion: forwarding-ipv4forwarding-ipv6, tcp-service-group and udp-service-group are mutually exclusive

forwarding-ipv6

Description SLB VIP IPv6 address to forward DOH query (IP address)

Type: string

Format: ipv6-address

Mutual Exclusion: forwarding-ipv6forwarding-ipv4, tcp-service-group and udp-service-group are mutually exclusive

tcp-service-group

Description Bind a TCP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-service-group forwarding-ipv4 and forwarding-ipv6 are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

udp-service-group

Description Bind a UDP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: udp-service-group forwarding-ipv4 and forwarding-ipv6 are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v4-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v4-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

v6-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v6-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

template_doh-list_dns-retry

Specification	
Type	*object*

after-timeout

Description 'close': Close client side connection; 'retry-with-tcp': Retry DNS query to server using TCP (If UDP was tried initially. Close after.);

Type: string

Supported Values: close, retry-with-tcp

Default: close

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_sip-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 100-199

Mutual Exclusion: acl-id and acl-name-value are mutually exclusive

acl-name-value

Description IPv4 Access List Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-value and acl-id are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

alg-dest-nat

Description Translate VIP to real server IP in SIP message when destination NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alg-source-nat

Description Translate source IP to NAT IP in SIP message when source NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

call-id-persist-disable

Description Disable call-ID persistence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-keep-alive

Description Respond client keep-alive packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header

Type: List

client-response-header

Type: List

dialog-aware

Description Permit system processes dialog session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-when-client-fail

Description Drop current SIP message when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-client-fail and failed-client-selection-message are mutually exclusive

drop-when-server-fail

Description Drop current SIP message when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-server-fail and failed-server-selection-message are mutually exclusive

exclude-translation

Type: List

failed-client-selection

Description Define action when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-client-selection-message

Description Send SIP message (includs status code) to server when select client fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-client-selection-message and drop-when-client-fail are mutually exclusive

failed-server-selection

Description Define action when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-server-selection-message

Description Send SIP message (includs status code) to client when select server fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-server-selection-message and drop-when-server-fail are mutually exclusive

insert-client-ip

Description Insert Client IP address into SIP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description The interval of keep-alive packet for each persist connection (second)

Type: number

Range: 5-300

Default: 30

keep-server-ip-if-match-acl

Description Use Real Server IP for addresses matching the ACL for a Call-Id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pstn-gw

Description configure pstn gw host name for tel: uri translate to sip: uri (Hostname String, default is "pstn")

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: pstn

server-keep-alive

Description Send server keep-alive packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header

Type: List

server-response-header

Type: List

server-selection-per-request

Description Force server selection on every SIP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

smp-call-id-rtp-session

Description Create the across cpu call-id rtp session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Time in minutes

Type: number

Range: 1-250

Default: 30

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_sip-list_server-request-header

Specification	
Type	*list*
Block object keys	

insert-condition-server-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-request-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template_sip-list_server-response-header

Specification	
Type	*list*
Block object keys	

insert-condition-server-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-response-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template_sip-list_client-request-header

Specification	
Type	*list*
Block object keys	

client-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-request-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

template_sip-list_client-response-header

Specification	
Type	*list*
Block object keys	

client-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-response-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

template_sip-list_exclude-translation

Specification	
Type	*list*
Block object keys	

header-string

Description SIP header name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

translation-value

Description 'start-line': SIP request line or status line; 'header': SIP message headers; 'body': SIP message body;

Type: string

Supported Values: start-line, header, body

template_respmod-icap-list

Specification	
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 1 - 65535, default is 0 (1 - 65530, default is 0)

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_respmod-icap-list_bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass respmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

template_virtual-server-list

Specification	
Type	*list*
Block object keys	

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-when-all-ports-down

Description Disable Virtual Server when all member ports are down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-all-ports-down and disable-when-any-port-down are mutually exclusive

disable-when-any-port-down

Description Disable Virtual Server when any member port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-any-port-down and disable-when-all-ports-down are mutually exclusive

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-rate-limit

Description ICMP rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-rate-limit

Description ICMPv6 rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

name

Description Virtual server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

subnet-gratuitous-arp

Description Send gratuitous ARP for every IP in the subnet virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-stack-tfo-active-conn-limit

Description The allowed active layer 7 tcp fast-open connection limit, default is zero (number)

Type: number

Range: 0-10000

Default: 0

tcp-stack-tfo-backoff-time

Description The time tcp stack will wait before allowing new fast-open requests after security condition, default 600 seconds (number)

Type: number

Range: 1-14400

Default: 600

tcp-stack-tfo-cookie-time-limit

Description The time limit (in seconds) that a layer 7 tcp fast-open cookie is valid, default is 60 seconds (number)

Type: number

Range: 1-14400

Default: 60

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_client-ssh-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hostkey

Description Specify private-key (Key Name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

name

Description Client SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_ssli-list

Specification	
Type	*list*
Block object keys	

name

Description SSLi Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'http': HTTP service; 'xmpp': XMPP service; 'smtp': SMTP service; 'pop': POP service;

Type: string

Supported Values: http, xmpp, smtp, pop, ldap, ftp

Default: http

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_server-ssh-list

Specification	
Type	*list*
Block object keys	

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_server-ssh-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'successful_handshakes': successful_handshakes; 'failed_handshakes': failed_handshakes; 'forwarding_errors': forwarding_errors;

Type: string

Supported Values: all, successful_handshakes, failed_handshakes, forwarding_errors

template_dns-list

Specification	
Type	*list*
Block object keys	

add-padding-to-client

Description 'block-length': Block-Length Padding; 'random-block-length': Random-Block-Length Padding;

Type: string

Supported Values: block-length, random-block-length

cache-record-serving-policy

Description 'global': Follow global cofiguration (Default); 'no-change': No change in record order; 'round-robin': Round-robin;

Type: string

Supported Values: global, no-change, round-robin

class-list

Description: class-list is a **JSON Block**. Please see below for *template_dns-list_class-list*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-rpz-attach-soa

Description Disable attaching SOA due to RPZ

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging

Description dns logging template (DNS Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dns-logging*

dnssec-service-group

Description Use different service group if DNSSEC DO bit set (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

enable-cache-sharing

Description Enable DNS cache sharing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward to service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

local-dns-resolution

Description: local-dns-resolution is a **JSON Block**. Please see below for *template_dns-list_local-dns-resolution*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/local-dns-resolution*

max-cache-entry-size

Description Define maximum cache entry size (Maximum cache entry size per VIP)

Type: number

Range: 1-4096

Default: 1024

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

max-query-length

Description Define Maximum DNS Query Length, default is unlimited (Specify Maximum Length)

Type: number

Range: 1-4095

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Period in minutes

Type: number

Range: 1-10000

query-class-filter

Description: query-class-filter is a **JSON Block**. Please see below for *template_dns-list_query-class-filter*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/query-class-filter*

query-id-switch

Description Use DNS query ID to create sesion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-type-filter

Description: query-type-filter is a **JSON Block**. Please see below for *template_dns-list_query-type-filter*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/query-type-filter*

recursive-dns-resolution

Description: recursive-dns-resolution is a **JSON Block**. Please see below for *template_dns-list_recursive-dns-resolution*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution*

redirect-to-tcp-port

Description Direct the client to retry with TCP for DNS UDP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-aa-flag

Description Make answers created from cache non-authoritative

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-edns-csubnet-to-server

Description Remove EDNS(0) client subnet from client queries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-padding-to-server

Description Remove EDNS(0) padding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-rate-limiting

Description: response-rate-limiting is a **JSON Block**. Please see below for *template_dns-list_response-rate-limiting*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting*

rpz-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}*

udp-retransmit

Description: udp-retransmit is a **JSON Block**. Please see below for *template_dns-list_udp-retransmit*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/udp-retransmit*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_response-rate-limiting

Specification	
Type	*object*

action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-response-rate

Description Maximum allowed request rate for the filter. This should match average traffic. (default 20 per two seconds)

Type: number

Range: 1-1000

Default: 10

response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

rrl-class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}*

slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

template_dns-list_response-rate-limiting_rrl-class-list-list

Specification	
Type	*list*
Block object keys	

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_response-rate-limiting_rrl-class-list-list_lid-list

Specification	
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_rpz-list

Specification	
Type	*list*
Block object keys	

logging

Description: logging is a **JSON Block**. Please see below for *template_dns-list_rpz-list_logging*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging*

name

Description Specify a Response Policy Zone name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-id

Description sequential id of RPZ

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_rpz-list_logging

Specification	
Type	*object*

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_rpz-list_logging_rpz-action

Specification	
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

template_dns-list_recursive-dns-resolution

Specification	
Type	*object*

host-list-cfg

Type: List

ipv4-nat-pool

Description IPv4 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv6-nat-pool

Description IPv6 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 30

Type: number

Range: 1-62

Default: 30

retries-per-level

Description Number of DNS query retries at each server level before closing client connection, default 6

Type: number

Range: 1-6

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_recursive-dns-resolution_host-list-cfg

Specification	
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (ac type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

template_dns-list_class-list

Specification	
Type	*object*

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *template_dns-list_class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_class-list_lid-list_dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

template_dns-list_udp-retransmit

Specification	
Type	*object*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_query-class-filter

Specification	
Type	*object*

query-class

Type: List

query-class-action

Description 'allow': Allow only certain DNS query classes; 'deny': Deny only certain DNS query classes;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_query-class-filter_query-class

Specification	
Type	*list*
Block object keys	

num-query-class

Description Other query class value

Type: number

Range: 1-65535

str-query-class

Description 'INTERNET': INTERNET query class; 'CHAOS': CHAOS query class; 'HESIOD': HESIOD query class; 'NONE': NONE query class; 'ANY': ANY query class;

Type: string

Supported Values: INTERNET, CHAOS, HESIOD, NONE, ANY

template_dns-list_local-dns-resolution

Specification	
Type	*object*

host-list-cfg

Type: List

local-resolver-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_local-dns-resolution_host-list-cfg

Specification	
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (ac type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

template_dns-list_local-dns-resolution_local-resolver-cfg

Specification	
Type	*list*
Block object keys	

local-resolver

Description Local dns servers (address)

Type: string

Format: ipv4-address

template_dns-list_query-type-filter

Specification	
Type	*object*

query-type

Type: List

query-type-action

Description 'allow': Allow only certain DNS query types; 'deny': Deny only certain DNS query types;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_query-type-filter_query-type

Specification	
Type	*list*
Block object keys	

num-query-type

Description Other record type value

Type: number

Range: 1-65535

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

template_http-list

Specification	
Type	*list*
Block object keys	

100-cont-wait-for-req-complete

Description When REQ has Expect 100 and response is not 100, then wait for whole request to be sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-sg

Description Select service group for non-http traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

client-ip-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-port-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-auto-disable-on-high-cpu

Description Auto-disable software compression on high cpu usage (Disable compression if cpu usage is above threshold. Default is off.)

Type: number

Range: 1-100

compression-content-type

Type: List

compression-enable

Description Enable Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-exclude-content-type

Type: List

compression-exclude-uri

Type: List

compression-keep-accept-encoding

Description Keep accept encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-keep-accept-encoding-enable

Description Enable Server Accept Encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-level

Description compression level, default 1 (compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-minimum-content-length

Description Minimum Content Length (Minimum content length for compression in bytes. Default is 120.)

Type: number

Range: 1-2147483647

Default: 120

cookie-format

Description 'rfc6265': Follow rfc6265;

Type: string

Supported Values: rfc6265

cookie-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

default-charset

Description 'iso-8859-1': Use ISO-8859-1 as the default charset; 'utf-8': Use UTF-8 as the default charset; 'us-ascii': Use US-ASCII as the default charset;

Type: string

Supported Values: iso-8859-1, utf-8, us-ascii

Default: utf-8

failover-url

Description Failover to this URL (Failover URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

frame-limit

Description Limit the number of CONTINUATION, PING, PRIORITY, RESET, SETTINGS and empty frames in one HTTP2 connection, default 10000

Type: number

Range: 0-65535

Default: 10000

host-switching

Type: List

insert-client-ip

Description Insert Client IP address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip-header-name

Description HTTP Header Name for inserting Client IP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

insert-client-port

Description Insert Client Port address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-port-header-name

Description HTTP Header Name for inserting Client Port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

keep-client-alive

Description Keep client alive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-retry

Description log when HTTP request retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-concurrent-streams

Description (http2 only) Max concurrent streams, default 100

Type: number

Range: 1-1000

Default: 100

name

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-http-bypass

Description Bypass non-http traffic instead of dropping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

persist-on-401

Description Persist to the same server if the response code is 401

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute; 'check': check server prefix and enforce prefix format;

Type: string

Supported Values: host, secure, check

rd-port

Description Port (Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: rd-port and rd-simple-loc are mutually exclusive

rd-resp-code

Description '301': Moved Permanently; '302': Found; '303': See Other; '307': Temporary Redirect;

Type: string

Supported Values: 301, 302, 303, 307

rd-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rd-secure and rd-simple-loc are mutually exclusive

rd-simple-loc

Description Redirect location tag absolute URI string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: rd-simple-loc rd-secure and rd-port are mutually exclusive

redirect

Description Automatically send a redirect response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-rewrite

Description: redirect-rewrite is a **JSON Block**. Please see below for *template_http-list_redirect-rewrite*

Type: Object

req-hdr-wait-time

Description HTTP request header wait time before abort connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-hdr-wait-time-val

Description Number of seconds wait for client request header (default is 7)

Type: number

Range: 1-31

Default: 7

request-header-erase-list

Type: List

request-header-insert-list

Type: List

request-line-case-insensitive

Description Parse http request line as case insensitive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-timeout

Description Request timeout if response not received (timeout in seconds)

Type: number

Range: 1-120

response-content-replace-list

Type: List

response-header-erase-list

Type: List

response-header-insert-list

Type: List

retry-on-5xx

Description Retry http request on HTTP 5xx code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx and retry-on-5xx-per-req are mutually exclusive

retry-on-5xx-per-req

Description Retry http request on HTTP 5xx code for each request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx-per-req and retry-on-5xx are mutually exclusive

retry-on-5xx-per-req-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

retry-on-5xx-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

strict-transaction-switch

Description Force server selection on every HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template

Description: template is a **JSON Block**. Please see below for *template_http-list_template*

Type: Object

term-11client-hdr-conn-close

Description Terminate HTTP 1.1 client when req has Connection: close

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-hash-first

Description Use the begining part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-first and url-hash-last are mutually exclusive

url-hash-last

Description Use the end part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-last and url-hash-first are mutually exclusive

url-hash-offset

Description Skip part of URL to calculate hash value (Offset of the URL string)

Type: number

Range: 0-255

url-hash-persist

Description Use URL's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-switching

Type: List

use-server-status

Description Use Server-Status header to do URL hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-list_request-header-erase-list

Specification	
Type	*list*
Block object keys	

request-header-erase

Description Erase a header from HTTP request (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_http-list_redirect-rewrite

Specification	
Type	*object*

match-list

Type: List

redirect-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-secure-port

Description Port (Port Number)

Type: number

Range: 1-65535

Default: 443

template_http-list_redirect-rewrite_match-list

Specification	
Type	*list*
Block object keys	

redirect-match

Description URL Matching (Pattern URL String)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rewrite-to

Description Rewrite to Destination URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_http-list_response-header-insert-list

Specification	
Type	*list*
Block object keys	

response-header-insert

Description Insert a header into HTTP response (Header Content (Format: "[name]: [value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

template_http-list_response-header-erase-list

Specification	
Type	*list*
Block object keys	

response-header-erase

Description Erase a header from HTTP response (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_http-list_template

Specification	
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

template_http-list_url-switching

Specification	
Type	*list*
Block object keys	

url-match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

url-switching-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string; 'url-case-insensitive': Case insensitive URL switching; 'url-hits-enable': Enables URL Hits;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, url-case-insensitive, url-hits-enable

template_http-list_response-content-replace-list

Specification	
Type	*list*
Block object keys	

response-content-replace

Description replace the data from HTTP response content (String in the http content need to be replaced)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-new-string

Description String will be in the http content

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template_http-list_request-header-insert-list

Specification	
Type	*list*
Block object keys	

request-header-insert

Description Insert a header into HTTP request (Header Content (Format: "[name]: [value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

template_http-list_host-switching

Specification	
Type	*list*
Block object keys	

host-match-string

Description Hostname String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

host-switching-type

Description 'contains': Select service group if hostname contains another string; 'ends-with': Select service group if hostname ends with another string; 'equals': Select service group if hostname equals another string; 'starts-with': Select service group if hostname starts with another string; 'host-hits-enable': Enables Host Hits counters;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, host-hits-enable

template_http-list_compression-content-type

Specification	
Type	*list*
Block object keys	

content-type

Description Compression content-type

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

template_http-list_compression-exclude-uri

Specification	
Type	*list*
Block object keys	

exclude-uri

Description Compression exclude uri

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

template_http-list_compression-exclude-content-type

Specification	
Type	*list*
Block object keys	

exclude-content-type

Description Compression exclude content-type (Compression exclude content type)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

template_dns-logging-list

Specification	
Type	*list*
Block object keys	

disable

Description Disable DNS Logging template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging-protocol

Description 'both': Log DNS over tcp and udp; 'tcp': Log DNS over tcp; 'udp': Log DNS over udp;

Type: string

Supported Values: both, tcp, udp

dns-logging-request-section

Description 'all': Log DNS header and question section; 'header': Log DNS header information; 'question': Log DNS question section;

Type: string

Supported Values: all, header, question

dns-logging-type

Description 'query': DNS Query Logging;

Type: string

Supported Values: query

name

Description DNS Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_virtual-port-list

Specification	
Type	*list*
Block object keys	

aflow

Description Use aFlow to eliminate the traffic surge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-syn-otherflags

Description Allow initial SYN packet with other flags

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-vip-to-rport-mapping

Description Allow mapping of VIP to real port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-unknown-conn

Description Drop conection if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-options

Description 'no-logging': Do not log over limit event; 'no-repeat-logging': log once for over limit event. Default is log once per minute;

Type: string

Supported Values: no-logging, no-repeat-logging

name

Description Virtual port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

non-syn-initiation

Description Allow initial TCP packet to be non-SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-interval

Description '100ms': Source IP and port rate limit per 100ms; 'second': Source IP and port rate limit per second (default);

Type: string

Supported Values: 100ms, second

Default: second

pkt-rate-limit-reset

Description send client-side reset (reset after packet limit)

Type: number

Range: 0-1048575

Default: 0

pkt-rate-type

Description 'src-ip-port': Source IP and port rate limit; 'src-port': Source port rate limit;

Type: string

Supported Values: src-ip-port, src-port

rate

Description Source IP and port rate limit (Packet rate limit)

Type: number

Range: 1-1048575

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reset-l7-on-failover

Description Send reset to L7 client and server connection upon a failover

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-unknown-conn

Description Send reset back if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-msl

Description Source NAT MSL (Source NAT MSL value)

Type: number

Range: 1-1800

snat-port-preserve

Description Source NAT Port Preservation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

when-rr-enable

Description Only do rate limit if CPU RR triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_mqtt-list

Specification	
Type	*list*
Block object keys	

clientid-hash-first

Description Use the begining part of client ID to calculate hash value (client ID string length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-last

Description Use the end part of Client ID to calculate hash value (Client ID length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-offset

Description Skip part of Client ID to calculate hash value (Offset of the Client ID)

Type: number

Range: 0-255

clientid-hash-persist

Description Use Client ID's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description MQTT Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_cipher-list

Specification	
Type	*list*
Block object keys	

cipher-cfg

Type: List

cipher13-cfg

Type: List

name

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_cipher-list_cipher13-cfg

Specification	
Type	*list*
Block object keys	

cipher13-suite

Description 'TLS_AES_256_GCM_SHA384': TLS_AES_256_GCM_SHA384; 'TLS_CHACHA20_POLY1305_SHA256': TLS_CHACHA20_POLY1305_SHA256; 'TLS_AES_128_GCM_SHA256': TLS_AES_128_GCM_SHA256;

Type: string

Supported Values: TLS_AES_256_GCM_SHA384, TLS_CHACHA20_POLY1305_SHA256, TLS_AES_128_GCM_SHA256

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

template_cipher-list_cipher-cfg

Specification	
Type	*list*
Block object keys	

cipher-suite

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_SM3, TLS1_ECDHE_SM2_WITH_SMS4_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

template_policy-list

Specification	
Type	*list*
Block object keys	

bw-list-id

Type: List

bw-list-name

Description Specify a blacklist/whitelist name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list

Description: class-list is a **JSON Block**. Please see below for *template_policy-list_class-list*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/class-list*

forward-policy

Description: forward-policy is a **JSON Block**. Please see below for *template_policy-list_forward-policy*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy*

full-domain-tree

Description Share counters between geo-location and sub regions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Log interval (minute)

Type: number

Range: 1-255

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

over-limit

Description Specify operation in case over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-lockup

Description Don't accept any new connection for certain time (Lockup duration (minute))

Type: number

Range: 1-127

over-limit-logging

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-reset

Description Reset the connection when it exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

overlap

Description Use overlap mode for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

share

Description Share counters between virtual ports and virtual servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Define timeout value of PBSLB dynamic entry (Timeout value (minute, default is 5))

Type: number

Range: 1-127

Default: 5

use-destination-ip

Description Use destination IP to match the policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy

Specification	
Type	*object*

acos-event-log

Description Enable acos event logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}*

filtering

Type: List

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-client-conn-reuse

Description Inspects only first request of a connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

require-web-category

Description Wait for web category to be resolved before taking proxy decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

san-filtering

Type: List

source-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_filtering

Specification	
Type	*list*
Block object keys	

ssli-url-filtering

Description 'bypassed-sni-disable': Disable SNI filtering for bypassed URL's(enabled by default); 'intercepted-sni-enable': Enable SNI filtering for intercepted URL's(disabled by default); 'intercepted-http-disable': Disable HTTP(host/URL) filtering for intercepted URL's(enabled by default); 'no-sni-allow': Allow connection if SNI filtering is enabled and SNI header is not present(Drop by default);

Type: string

Supported Values: bypassed-sni-disable, intercepted-sni-enable, intercepted-http-disable, no-sni-allow

template_policy-list_forward-policy_san-filtering

Specification	
Type	*list*
Block object keys	

ssli-url-filtering-san

Description 'enable-san': Enable SAN filtering(disabled by default); 'bypassed-san-disable': Disable SAN filtering for bypassed URL's(enabled by default); 'intercepted-san-enable': Enable SAN filtering for intercepted URL's(disabled by default); 'no-san-allow': Allow connection if SAN filtering is enabled and SAN field is not present(Drop by default);

Type: string

Supported Values: enable-san, bypassed-san-disable, intercepted-san-enable, no-san-allow

template_policy-list_forward-policy_action-list

Specification	
Type	*list*
Block object keys	

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url drop-response-code and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_action-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_source-list

Specification	
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *template_policy-list_forward-policy_source-list_destination*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_source-list_destination

Specification	
Type	*object*

any

Description: any is a **JSON Block**. Please see below for *template_policy-list_forward-policy_source-list_destination_any*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

template_policy-list_forward-policy_source-list_destination_class-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_source-list_destination_class-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_source-list_destination_web-category-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

template_policy-list_forward-policy_source-list_destination_web-category-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_source-list_destination_any

Specification	
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_source-list_destination_any_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_source-list_destination_web-reputation-scope-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/reputation-scope*

template_policy-list_forward-policy_source-list_destination_web-reputation-scope-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_source-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

template_policy-list_class-list

Specification	
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name or geo-location-class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *template_policy-list_class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_class-list_lid-list_dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

template_policy-list_class-list_lid-list_response-code-rate-limit

Specification	
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

template_policy-list_bw-list-id

Specification	
Type	*list*
Block object keys	

action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

bw-list-action

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: bw-list-action and service-group are mutually exclusive

fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

id

Description Specify id that maps to service group (The id number)

Type: number

Range: 0-1023

logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pbslb-interval

Description Specify logging interval in minutes

Type: number

Range: 0-60

Default: 3

pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group and bw-list-action are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

template_policy-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwd-policy-dns-unresolved': Forward-policy unresolved DNS queries; 'fwd-policy-dns-outstanding': Forward-policy current DNS outstanding requests; 'fwd-policy-snat-fail': Forward-policy source-nat translation failure; 'fwd-policy-hits': Number of forward-policy requests for this policy template; 'fwd-policy-forward-to-internet': Number of forward-policy requests forwarded to internet; 'fwd-policy-forward-to-service-group': Number of forward-policy requests forwarded to service group; 'fwd-policy-policy-drop': Number of forward-policy requests dropped; 'fwd-policy-source-match-not-found': Forward-policy requests without matching source rule; 'exp_client_hello_not_found': Expected Client HELLO requests not found;

Type: string

Supported Values: all, fwd-policy-dns-unresolved, fwd-policy-dns-outstanding, fwd-policy-snat-fail, fwd-policy-hits, fwd-policy-forward-to-internet, fwd-policy-forward-to-service-group, fwd-policy-forward-to-proxy, fwd-policy-policy-drop, fwd-policy-source-match-not-found, exp-client-hello-not-found

template_server-list

Specification	
Type	*list*
Block object keys	

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-acct

Description 'to-server-only': Only account for traffic sent to server; 'from-server-only': Only account for traffic received from server; 'all': Account for all traffic sent to and received from server;

Type: string

Supported Values: to-server-only, from-server-only, all

Default: all

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-fail-interval

Description The interval to retry when DNS failed to query (DNS failure interval (in second, default is 30))

Type: number

Range: 0-1800

Default: 30

dns-query-interval

Description The interval to query DNS server for the hostname (DNS query interval (in minute, default is 10))

Type: number

Range: 1-1440

Default: 10

dynamic-server-prefix

Description Prefix of dynamic server (Prefix of dynamic server (default is "DRS"))

Type: string

Maximum Length: 3 characters

Maximum Length: 1 characters

Default: DRS

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

log-selection-failure

Description Enable real-time logging for server selection failure event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-dynamic-server

Description Maximum dynamic server number (Maximum dynamic server number (default is 255))

Type: number

Range: 1-1023

Default: 255

min-ttl-ratio

Description Minimum TTL to DNS query interval ratio (Minimum TTL ratio (default is 2))

Type: number

Range: 1-15

Default: 2

name

Description Server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

slow-start

Description Slowly ramp up the connection number after server is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description Servers under the template are spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for the Real Servers (Connection Weight)

Type: number

Range: 1-1000

Default: 1

template_monitor-list

Specification	
Type	*list*
Block object keys	

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_monitor-list_clear-cfg

Specification	
Type	*list*
Block object keys	

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

template_monitor-list_link-enable-cfg

Specification	
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

template_monitor-list_link-up-cfg

Specification	
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

template_monitor-list_link-down-cfg

Specification	
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

template_monitor-list_link-disable-cfg

Specification	
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

template_tcp-proxy-list

Specification	
Type	*list*
Block object keys	

ack-aggressiveness

Description 'low': Delayed ACK; 'medium': Delayed ACK, with ACK on each packet with PUSH flag; 'high': ACK on each packet;

Type: string

Supported Values: low, medium, high

Default: low

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backend-wscale

Description The TCP window scale used for the server side, default is off (number)

Type: number

Range: 1-14

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

disable-abc

Description Appropriate Byte Counting RFC 3465 Disabled, default is enabled (Appropriate Byte Counting (ABC) is enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sack

Description disable Selective Ack Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-tcp-timestamps

Description disable TCP Timestamps Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-window-scale

Description disable TCP Window-Scale Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

dynamic-buffer-allocation

Description Optimally adjust the transmit and receive buffer sizes of TCP proxy while keeping their sum constant

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-retransmit

Description Configure the Early-Retransmit Algorithm (RFC 5827) (Early-Retransmit is disabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin-timeout

Description FIN timeout (sec), default is 5 (number)

Type: number

Range: 1-60

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

Default: 600

init-cwnd

Description The initial congestion control window size (packets), default is 10 (number)

Type: number

Range: 1-15

Default: 10

initial-window-size

Description Set the initial window size, default is off (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-rate-limit

Description Invalid Packet Response Rate Limit (ms), default is 500 (number default 500 challenges)

Type: number

Range: 0-60000000

Default: 500

keepalive-interval

Description Interval between keepalive probes (sec), default is off (number)

Type: number

Range: 60-12000

keepalive-probes

Description Number of keepalive probes sent, default is off

Type: number

Range: 2-10

limited-slowstart

Description RFC 3742 Limited Slow-Start for TCP with Large Congestion Windows (number)

Type: number

Range: 0-2147483647

Default: 0

maxburst

Description The max packet count sent per transmission event (number)

Type: number

Range: 1-100

Default: 25

min-rto

Description The minmum retransmission timeout, default is 200ms (number)

Type: number

Range: 100-1000

Default: 200

mss

Description Responding MSS to use if client MSS is large, default is off (number)

Type: number

Range: 128-9000

Default: 1460

nagle

Description Enable Nagle Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *template_tcp-proxy-list_proxy-header*

Type: Object

psh-flag-optimization

Description Enable Optimized PSH Flag Use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qos

Description QOS level (number)

Type: number

Range: 1-63

reassembly-limit

Description The reassembly queuing limit, default is 25 segments (number)

Type: number

Range: 1-500

Default: 25

reassembly-timeout

Description The reassembly timeout, default is 30sec (number)

Type: number

Range: 1-300

Default: 30

receive-buffer

Description TCP Receive Buffer (default 200k) (number)

Type: number

Range: 1-2147483647

Default: 200000

reno

Description Enable Reno Congestion Control Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-retries

Description Number of Retries for Retransmit, default is 5

Type: number

Range: 1-20

Default: 5

server-down-action

Description 'FIN': FIN Connection; 'RST': Reset Connection;

Type: string

Supported Values: FIN, RST

syn-retries

Description SYN Retry Numbers, default is 5

Type: number

Range: 1-20

Default: 5

timewait

Description Timewait Threshold (sec), default 5 (number)

Type: number

Range: 1-60

Default: 5

transmit-buffer

Description TCP Transmit Buffer (default 200k) (number)

Type: number

Range: 1-2147483647

Default: 200000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_tcp-proxy-list_proxy-header

Specification	
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

template_ftp-list

Specification	
Type	*list*
Block object keys	

active-mode-port

Description Non-Standard FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-mode-port-val

Description Non-Standard FTP Active mode port

Type: number

Range: 1-65534

Mutual Exclusion: active-mode-port-val and any are mutually exclusive

any

Description Allow any FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and active-mode-port-val are mutually exclusive

name

Description FTP template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

to

Description End range of FTP Active mode port

Type: number

Range: 1-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_imap-pop3-list

Specification	
Type	*list*
Block object keys	

logindisabled

Description Disable Login before STARTTLS.Works only for imap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description IMAP-POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

starttls

Description 'disabled': Disable STARTTLS; 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before imap transaction;

Type: string

Supported Values: disabled, optional, enforced

Default: disabled

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_server-ssl-list

Specification	
Type	*list*
Block object keys	

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

ca-certs

Type: List

certificate

Description: certificate is a **JSON Block**. Please see below for *template_server-ssl-list_certificate*

Type: Object

Refernce Object: */axapi/v3/slb/template/server-ssl/{name}/certificate*

cipher-template

Description Cipher Template (Cipher Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: cipher-template cipher-wo-prio and shared-partition-cipher-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cipher*

cipher-without-prio-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ocsp-stapling

Description Enable ocsp-stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-certificate-error

Type: List

server-name

Description Specify Server Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

session-cache-size

Description Session Cache Size (Specify 0 to disable Session ID reuse.)

Type: number

Range: 0-128

Default: 0

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds)

Type: number

Range: 1-7200

session-ticket-enable

Description Enable server side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template cipher-wo-prio and cipher-template are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cipher*

use-client-sni

Description use client SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 30-34

Default: 33

template_server-ssl-list_crl-certs

Specification	
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-partition-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_server-ssl-list_certificate

Specification	
Type	*object*

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key

Description Client private-key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Client Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_server-ssl-list_ec-list

Specification	
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1

template_server-ssl-list_server-certificate-error

Specification	
Type	*list*
Block object keys	

error-type

Description 'email': Notify the error via email; 'ignore': Ignore the error, which mean the connection can continue; 'logging': Log the error; 'trap': Notify the error by SNMP trap;

Type: string

Supported Values: email, ignore, logging, trap

template_server-ssl-list_ca-certs

Specification	
Type	*list*
Block object keys	

ca-cert

Description Specify CA certificate

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-cert-partition-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/service-group*

server-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

template_server-ssl-list_cipher-without-prio-list

Specification	
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio cipher-template and shared-partition-cipher-template are mutually exclusive

link-probe

Specification	
Type	*object*

entry

Description: entry is a **JSON Block**. Please see below for *link-probe_entry*

Type: Object

Refernce Object: */axapi/v3/slb/link-probe/entry*

link-probe_entry

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-probe_entry_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_tmpl_probe_create_failed': Probe Template Creation Failure; 'err_tmpl_probe_create_oom': Probe Template Creation Out of Memory; 'total_http_probes_sent': Total HTTP Probes Sent out; 'total_http_response_received': Total HTTP responses received; 'total_http_response_good': Total HTTP responses matching probe template config; 'total_http_response_bad': Total HTTP responses not matching probe template config; 'total_tcp_err': Total TCP errors in probes sent out; 'err_smart_nat_alloc': Error creating Smart NAT Instance; 'err_smart_nat_port_alloc': Error obtaining Smart NAT source port; 'err_l4_sess_alloc': Error allocating L4 session for probe; 'err_probe_tcp_conn_send': Error in initiating TCP connection for probe; 'probe_tcp_conn_sent': TCP connection sent for probe;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_ready_to_free, total_freed, err_entry_create_failed, err_entry_create_oom, err_entry_insert_failed, err_tmpl_probe_create_failed, err_tmpl_probe_create_oom, total_http_probes_sent, total_http_response_received, total_http_response_good, total_http_response_bad, total_tcp_err, err_smart_nat_alloc, err_smart_nat_port_alloc, err_l4_sess_alloc, err_probe_tcp_conn_send, probe_tcp_conn_sent

ssl-cert-expire-check

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fast-http-proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fast-http-proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'req': HTTP requests; 'req_succ': HTTP requests(succ); 'noproxy': No proxy error; 'client_rst': Client RST; 'server_rst': Server RST; 'notuple': No tuple error; 'parsereq_fail': Parse req fail; 'svrsel_fail': Server selection fail; 'fwdreq_fail': Fwd req fail; 'fwdreq_fail_buff': Fwd req fail - buff; 'fwdreq_fail_rport': Fwd req fail - rport; 'fwdreq_fail_route': Fwd req fail - route; 'fwdreq_fail_persist': Fwd req fail - persist; 'fwdreq_fail_server': Fwd req fail - server; 'fwdreq_fail_tuple': Fwd req fail - tuple; 'fwdreqdata_fail': Fwd req data fail; 'req_retran': Packets retrans; 'req_ofo': Packets ofo; 'server_resel': Server reselection; 'svr_prem_close': Server premature close; 'new_svrconn': Server conn made; 'snat_fail': Source NAT failure; 'tcpoutrst': Out RSTs; 'full_proxy': Full proxy tot; 'full_proxy_post': Full proxy POST; 'full_proxy_pipeline': Full proxy pipeline; 'full_proxy_fpga_err': Full proxy fpga err; 'req_over_limit': Request over limit; 'req_rate_over_limit': Request rate over limit; 'l4_switching': L4 switching; 'cookie_switching': Cookie switching; 'aflex_switching': aFleX switching; 'http_policy_switching': HTTP Policy switching; 'url_switching': URL switching; 'host_switching': Host switching; 'lb_switching': Normal LB switching; 'l4_switching_ok': L4 switching (succ); 'cookie_switching_ok': Cookie switching (succ); 'aflex_switching_ok': aFleX switching (succ); 'http_policy_switching_ok': HTTP Policy switching (succ); 'url_switching_ok': URL switching (succ); 'host_switching_ok': Host switching (succ); 'lb_switching_ok': Normal LB switch. (succ); 'l4_switching_enqueue': L4 switching (enQ); 'cookie_switching_enqueue': Cookie switching (enQ); 'aflex_switching_enqueue': aFleX switching (enQ); 'http_policy_switching_enqueue': HTTP Policy switching (enQ); 'url_switching_enqueue': URL switching (enQ); 'host_switching_enqueue': Host switching (enQ); 'lb_switching_enqueue': Normal LB switch. (enQ); 'retry_503': Retry on 503; 'aflex_retry': aFleX http retry; 'aflex_lb_reselect': aFleX lb reselect; 'aflex_lb_reselect_ok': aFleX lb reselect (succ); 'client_rst_request': Client RST - request; 'client_rst_connecting': Client RST - connecting; 'client_rst_connected': Client RST - connected; 'client_rst_response': Client RST - response; 'server_rst_request': Server RST - request; 'server_rst_connecting': Server RST - connecting; 'server_rst_connected': Server RST - connected; 'server_rst_response': Server RST - response; 'invalid_header': Invalid header; 'too_many_headers': Too many headers; 'line_too_long': Line too long; 'header_name_too_long': Header name too long; 'wrong_resp_header': Wrong response header; 'header_insert': Header insert; 'header_delete': Header delete; 'insert_client_ip': Insert client IP; 'negative_req_remain': Negative request remain; 'negative_resp_remain': Negative response remain; 'large_cookie': Large cookies; 'large_cookie_header': Large cookie headers; 'huge_cookie': Huge cookies; 'huge_cookie_header': Huge cookie headers; 'parse_cookie_fail': Parse cookie fail; 'parse_setcookie_fail': Parse set-cookie fail; 'asm_cookie_fail': Assemble cookie fail; 'asm_cookie_header_fail': Asm cookie header fail; 'asm_setcookie_fail': Assemble set-cookie fail; 'asm_setcookie_header_fail': Asm set-cookie hdr fail; 'client_req_unexp_flag': Client req unexp flags; 'connecting_fin': Connecting FIN; 'connecting_fin_retrans': Connecting FIN retran; 'connecting_fin_ofo': Connecting FIN ofo; 'connecting_rst': Connecting RST; 'connecting_rst_retrans': Connecting RST retran; 'connecting_rst_ofo': Connecting RST ofo; 'connecting_ack': Connecting ACK; 'pkts_ofo': Packets ofo; 'pkts_retrans': Packets retrans; 'pkts_retrans_ack_finwait': retrans ACK FWAIT; 'pkts_retrans_fin': retrans FIN; 'pkts_retrans_rst': retrans RST; 'pkts_retrans_push': retrans PSH; 'stale_sess': Stale sess; 'server_resel_failed': Server re-select failed; 'compression_before': Tot data before compress; 'compression_after': Tot data after compress; 'response_1xx': Status code 1XX; 'response_100': Status code 100; 'response_101': Status code 101; 'response_102': Status code 102; 'response_2xx': Status code 2XX; 'response_200': Status code 200; 'response_201': Status code 201; 'response_202': Status code 202; 'response_203': Status code 203; 'response_204': Status code 204; 'response_205': Status code 205; 'response_206': Status code 206; 'response_207': Status code 207; 'response_3xx': Status code 3XX; 'response_300': Status code 300; 'response_301': Status code 301; 'response_302': Status code 302; 'response_303': Status code 303; 're-

sponse_304': Status code 304; 'response_305': Status code 305; 'response_306': Status code 306; 'response_307': Status code 307; 'response_4xx': Status code 4XX; 'response_400': Status code 400; 'response_401': Status code 401; 'response_402': Status code 402; 'response_403': Status code 403; 'response_404': Status code 404; 'response_405': Status code 405; 'response_406': Status code 406; 'response_407': Status code 407; 'response_408': Status code 408; 'response_409': Status code 409; 'response_410': Status code 410; 'response_411': Status code 411; 'response_412': Status code 412; 'response_413': Status code 413; 'response_414': Status code 414; 'response_415': Status code 415; 'response_416': Status code 416; 'response_417': Status code 417; 'response_418': Status code 418; 'response_422': Status code 422; 'response_423': Status code 423; 'response_424': Status code 424; 'response_425': Status code 425; 'response_426': Status code 426; 'response_449': Status code 449; 'response_450': Status code 450; 'response_5xx': Status code 5XX; 'response_500': Status code 500; 'response_501': Status code 501; 'response_502': Status code 502; 'response_503': Status code 503; 'response_504': Status code 504; 'response_505': Status code 505; 'response_506': Status code 506; 'response_507': Status code 507; 'response_508': Status code 508; 'response_509': Status code 509; 'response_510': Status code 510; 'response_6xx': Status code 6XX; 'response_unknown': Status code unknown; 'req_http10': Request 1.0; 'req_http11': Request 1.1; 'response_http10': Resp 1.0; 'response_http11': Resp 1.1; 'req_get': Method GET; 'req_head': Method HEAD; 'req_put': Method PUT; 'req_post': Method POST; 'req_trace': Method TRACE; 'req_options': Method OPTIONS; 'req_connect': Method CONNECT; 'req_delete': Method DELETE; 'req_unknown': Method UNKNOWN; 'req_content_len': Req content len; 'rsp_content_len': Resp content len; 'rsp_chunk': Resp chunk encoding; 'req_chunk': Req chunk encoding; 'compress_rsp': Compress req; 'compress_del_accept_enc': Compress del accept enc; 'compress_resp_already_compressed': Resp already compressed; 'compress_content_type_excluded': Compress cont type excl; 'compress_no_content_type': Compress no cont type; 'compress_resp_lt_min': Compress resp less than min; 'compress_resp_no_cl_or_ce': Compress resp no CL/CE; 'compress_ratio_too_high': Compress ratio too high; 'cache_rsp': HTTP req (cache succ); 'close_on_ddos': Close on DDoS; 'req_http10_keepalive': 1.0 Keepalive; 'req_sz_1k': Req less than equal to 1K; 'req_sz_2k': Req less than equal to 2K;

Type: string

Supported Values: all, num, curr_proxy, total_proxy, req, req_succ, noproxy, client_rst, server_rst, notuple, parsereq_fail, svrsel_fail, fwdreq_fail, fwdreq_fail_buff, fwdreq_fail_rport, fwdreq_fail_route, fwdreq_fail_persist, fwdreq_fail_server, fwdreq_fail_tuple, fwdreqdata_fail, req_retran, req_ofo, server_resel, svr_prem_close, new_svrconn, snat_fail, tcpoutrst, full_proxy, full_proxy_post, full_proxy_pipeline, full_proxy_fpga_err, req_over_limit, req_rate_over_limit, l4_switching, cookie_switching, aflex_switching, http_policy_switching, url_switching, host_switching, lb_switching, l4_switching_ok, cookie_switching_ok, aflex_switching_ok, http_policy_switching_ok, url_switching_ok, host_switching_ok, lb_switching_ok, l4_switching_enqueue, cookie_switching_enqueue, aflex_switching_enqueue, http_policy_switching_enqueue, url_switching_enqueue, host_switching_enqueue, lb_switching_enqueue, retry_503, aflex_retry, aflex_lb_reselect, aflex_lb_reselect_ok, client_rst_request, client_rst_connecting, client_rst_connected, client_rst_response, server_rst_request, server_rst_connecting, server_rst_connected, server_rst_response, invalid_header, too_many_headers, line_too_long, header_name_too_long, wrong_resp_header, header_insert, header_delete, insert_client_ip, negative_req_remain, negative_resp_remain, large_cookie, large_cookie_header, huge_cookie, huge_cookie_header, parse_cookie_fail, parse_setcookie_fail, asm_cookie_fail, asm_cookie_header_fail, asm_setcookie_fail, asm_setcookie_header_fail, client_req_unexp_flag, connecting_fin, connecting_fin_retrans, connecting_fin_ofo, connecting_rst, connecting_rst_retrans, connecting_rst_ofo, connecting_ack, pkts_ofo, pkts_retrans, pkts_retrans_ack_finwait, pkts_retrans_fin, pkts_retrans_rst, pkts_retrans_push,

stale_sess, server_resel_failed, compression_before, compression_after, response_1xx, response_100, response_101, response_102, response_2xx, response_200, response_201, response_202, response_203, response_204, response_205, response_206, response_207, response_3xx, response_300, response_301, response_302, response_303, response_304, response_305, response_306, response_307, response_4xx, response_400, response_401, response_402, response_403, response_404, response_405, response_406, response_407, response_408, response_409, response_410, response_411, response_412, response_413, response_414, response_415, response_416, response_417, response_418, response_422, response_423, response_424, response_425, response_426, response_449, response_450, response_5xx, response_500, response_501, response_502, response_503, response_504, response_505, response_506, response_507, response_508, response_509, response_510, response_6xx, response_unknown, req_http10, req_http11, response_http10, response_http11, req_get, req_head, req_put, req_post, req_trace, req_options, req_connect, req_delete, req_unknown, req_content_len, rsp_content_len, rsp_chunk, req_chunk, compress_rsp, compress_del_accept_enc, compress_resp_already_compressed, compress_content_type_excluded, compress_no_content_type, compress_resp_lt_min, compress_resp_no_cl_or_ce, compress_ratio_too_high, cache_rsp, close_on_ddos, req_http10_keepalive, req_sz_1k, req_sz_2k

counters2

Description 'req_sz_4k': Req less than equal to 4K; 'req_sz_8k': Req less than equal to 8K; 'req_sz_16k': Req less than equal to 16K; 'req_sz_32k': Req less than equal to 32K; 'req_sz_64k': Req less than equal to 64K; 'req_sz_256k': Req less than equal to 256K; 'req_sz_gt_256k': Req greater than 256K; 'rsp_sz_1k': Resp less than equal to 1K; 'rsp_sz_2k': Resp less than equal to 2K; 'rsp_sz_4k': Resp less than equal to 4K; 'rsp_sz_8k': Resp less than equal to 8K; 'rsp_sz_16k': Resp less than equal to 16K; 'rsp_sz_32k': Resp less than equal to 32K; 'rsp_sz_64k': Resp less than equal to 64K; 'rsp_sz_256k': Resp less than equal to 256K; 'rsp_sz_gt_256k': Resp greater than 256K; 'chunk_sz_512': Chunk less than equal to 512; 'chunk_sz_1k': Chunk less than equal to 1K; 'chunk_sz_2k': Chunk less than equal to 2K; 'chunk_sz_4k': Chunk less than equal to 4K; 'chunk_sz_gt_4k': Chunk greater than 4K; 'pconn_connecting': pconn connecting; 'pconn_connected': pconn connected; 'pconn_connecting_failed': pconn conn failed; 'chunk_bad': Bad Chunk; 'req_10u': Rsp time less than 10u; 'req_20u': Rsp time less than 20u; 'req_50u': Rsp time less than 50u; 'req_100u': Rsp time less than 100u; 'req_200u': Rsp time less than 200u; 'req_500u': Rsp time less than 500u; 'req_1m': Rsp time less than 1m; 'req_2m': Rsp time less than 2m; 'req_5m': Rsp time less than 5m; 'req_10m': Rsp time less than 10m; 'req_20m': Rsp time less than 20m; 'req_50m': Rsp time less than 50m; 'req_100m': Rsp time less than 100m; 'req_200m': Rsp time less than 200m; 'req_500m': Rsp time less than 500m; 'req_1s': Rsp time less than 1s; 'req_2s': Rsp time less than 2s; 'req_5s': Rsp time less than 5s; 'req_over_5s': Rsp time greater than equal to 5s; 'insert_client_port': Insert client Port; 'req_track': Method TRACK; 'full_proxy_put': Full proxy PUT; 'non_http_bypass': Non-HTTP bypass;

Type: string

Supported Values: req_sz_4k, req_sz_8k, req_sz_16k, req_sz_32k, req_sz_64k, req_sz_256k, req_sz_gt_256k, rsp_sz_1k, rsp_sz_2k, rsp_sz_4k, rsp_sz_8k, rsp_sz_16k, rsp_sz_32k, rsp_sz_64k, rsp_sz_256k, rsp_sz_gt_256k, chunk_sz_512, chunk_sz_1k, chunk_sz_2k, chunk_sz_4k, chunk_sz_gt_4k, pconn_connecting, pconn_connected, pconn_connecting_failed, chunk_bad, req_10u, req_20u, req_50u, req_100u, req_200u, req_500u, req_1m, req_2m, req_5m, req_10m, req_20m, req_50m, req_100m, req_200m, req_500m, req_1s, req_2s, req_5s, req_over_5s, insert_client_port, req_track, full_proxy_put, non_http_bypass, skip_insert_client_ip, skip_insert_client_port, decompression_before, decompression_after, http_pkts_in_seq, http_pkts_retx, http_client_retx, http_server_retx, http_pkts_ofo

proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'tcp_event': TCP stack event; 'est_event': Connection established; 'data_event': Data received; 'client_fin': Client FIN; 'server_fin': Server FIN; 'wbuf_event': Ready to send data; 'err_event': Error occured; 'no_mem': No memory; 'client_rst': Client RST; 'server_rst': Server RST; 'queue_depth_over_limit': Queue depth over limit; 'event_failed': Event failed; 'conn_not_exist': Conn not exist; 'service_alloc_cb': Service alloc callback; 'service_alloc_cb_failed': Service alloc callback failed; 'service_free_cb': Service free callback; 'service_free_cb_failed': Service free callback failed; 'est_cb_failed': App EST callback failed; 'data_cb_failed': App DATA callback failed; 'wbuf_cb_failed': App WBUF callback failed; 'err_cb_failed': App ERR callback failed; 'start_server_conn': Start server conn; 'start_server_conn_succ': Success; 'start_server_conn_no_route': No route to server; 'start_server_conn_fail_mem': No memory; 'start_server_conn_fail_snat': Failed Source NAT; 'start_server_conn_fail_persist': Fail Persistence; 'start_server_conn_fail_server': Fail Server issue; 'start_server_conn_fail_tuple': Fail Tuple Issue; 'line_too_long': Line too long;

Type: string

Supported Values: all, num, tcp_event, est_event, data_event, client_fin, server_fin, wbuf_event, err_event, no_mem, client_rst, server_rst, queue_depth_over_limit, event_failed, conn_not_exist, service_alloc_cb, service_alloc_cb_failed, service_free_cb, service_free_cb_failed, est_cb_failed, data_cb_failed, wbuf_cb_failed, err_cb_failed, start_server_conn, start_server_conn_succ, start_server_conn_no_route, start_server_conn_fail_mem, start_server_conn_fail_snat, start_server_conn_fail_persist, start_server_conn_fail_server, start_server_conn_fail_tuple, line_too_long

connection-reuse

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

connection-reuse_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current_open': Open persist; 'current_active': Active persist; 'nbind': Total bind; 'nunbind': Total unbind; 'nestab': Total established; 'ntermi': Total terminated; 'ntermi_err': Total terminated by err; 'delay_unbind': Delayed unbind; 'long_resp': Long resp; 'miss_resp': Missed resp; 'unbound_data_rcv': Unbound data rcvd; 'pause_conn': Pause request; 'pause_conn_fail': Pause request fail; 'resume_conn': Resume request; 'not_remove_from_rport': Not remove from list;

Type: string

Supported Values: all, current_open, current_active, nbind, nunbind, nestab, ntermi, ntermi_err, delay_unbind, long_resp, miss_resp, unbound_data_rcv, pause_conn, pause_conn_fail, resume_conn, not_remove_from_rport

mssql

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mssql_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_be_enc': Curr BE Encryption Conns; 'total_be_enc': Total BE Encryption Conns; 'curr_fe_enc': Curr FE Encryption Conns; 'total_fe_enc': Total FE Encryption Conns; 'client_fin': Client FIN; 'server_fin': Server FIN; 'session_err': Session err; 'queries': DB Queries; 'commands': DB commands reply; 'auth_success': Authentication Success; 'auth_failure': Authentication Failure;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_be_enc, total_be_enc, curr_fe_enc, total_fe_enc, client_fin, server_fin, session_err, queries, commands, auth_success, auth_failure

resource-usage

Specification	
Type	*object*

cache-template-count

Description Total configurable HTTP Cache Templates in the System

Type: number

client-ssl-template-count

Description Total configurable Client SSL Templates in the System

Type: number

conn-reuse-template-count

Description Total configurable Connection reuse Templates in the System

Type: number

fast-tcp-template-count

Description Total configurable Fast TCP Templates in the System

Type: number

fast-udp-template-count

Description Total configurable Fast UDP Templates in the System

Type: number

fix-template-count

Description Total configurable FIX Templates in the System

Type: number

gslb-device-count

Description Total GSLB devices in the System

Type: number

gslb-geo-location-count

Description Total GSLB geo-location in the System

Type: number

gslb-ip-list-count

Description Total GSLB ip-list in the System

Type: number

gslb-policy-count

Description Total GSLB policies in the System

Type: number

gslb-service-count

Description Total GSLB services in the System

Type: number

gslb-service-ip-count

Description Total GSLB service-ip in the System

Type: number

gslb-service-port-count

Description Total GSLB service-port in the System

Type: number

gslb-site-count

Description Total GSLB sites in the System

Type: number

gslb-svc-group-count

Description Total GSLB services in the System

Type: number

gslb-template-count

Description Total GSLB templates in the System

Type: number

gslb-zone-count

Description Total GSLB zones in the System

Type: number

health-monitor-count

Description Total Health Monitors in the System

Type: number

http-template-count

Description Total configurable HTTP Templates in the System

Type: number

link-cost-template-count

Description Total configurable Link-cost Templates in the System

Type: number

nat-pool-addr-count

Description Total configurable NAT Pool addresses in the System

Type: number

pbslb-subnet-count

Description Total PBSLB Subnets in the System

Type: number

persist-cookie-template-count

Description Total configurable Persistent cookie Templates in the System

Type: number

persist-srcip-template-count

Description Total configurable Source IP Persistent Templates in the System

Type: number

proxy-template-count

Description Total configurable Proxy Templates in the System

Type: number

real-port-count

Description Total Real Server Ports in the System

Type: number

real-server-count

Description Total Real Servers in the System

Type: number

server-ssl-template-count

Description Total configurable Server SSL Templates in the System

Type: number

service-group-count

Description Total Service Groups in the System

Type: number

slb-threshold-res-usage-percent

Description Enter the threshold as a percentage (Threshold in percentage(default is 0%))

Type: number

Range: 0-99

Default: 0

stream-template-count

Description Total configurable Streaming media in the System

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-count

Description Total Virtual Server Ports in the System

Type: number

virtual-server-count

Description Total Virtual Servers in the System

Type: number

ssl-cmp-cert-log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ecmp

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-gateway

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-gateway_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_sent': Number of Total health-check sent; 'total_retry_sent': Number of Total health-check retry sent; 'total_timeout': Number of Total health-check timeout;

Type: string

Supported Values: all, total_sent, total_retry_sent, total_timeout

health-up-reason

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

transparent-tcp-template

Specification	
Type	*object*

name

Description Specify template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/tcp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-monitor

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

crl-srcip

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

crl-srcip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_alloc': Sessions allocated; 'sessions_freed': Sessions freed; 'out_of_sessions': Out of sessions; 'too_many_sessions': Too many sessions consumed; 'called': Threshold check count; 'permitted': Honor threshold count; 'threshold_exceed': Threshold exceeded count; 'lockout_drop': Lockout drops; 'log_msg_sent': Log messages sent;

Type: string

Supported Values: all, sessions_alloc, sessions_freed, out_of_sessions, too_many_sessions, called, permitted, threshold_exceed, lockout_drop, log_msg_sent

ssl-ca-cert

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

passthrough

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

passthrough_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_conn': Total connections; 'total_fwd_bytes': Forward bytes; 'total_fwd_packets': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_packets': Reverse packets; 'curr_pconn': Persistent connections;

Type: string

Supported Values: all, curr_conn, total_conn, total_fwd_bytes, total_fwd_packets, total_rev_bytes, total_rev_packets, curr_pconn

rpz

Specification	
Type	*object*

check

Description Check Response Policy Zone file

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'set_bw_error': Total RPZ Set Class-list Error; 'parse_error': Total RPZ Parse Error;

Type: string

Supported Values: all, set_bw_error, parse_error

ssl-acme-cert-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

perf

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

perf_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-throughput-bits-per-sec': Total throughput bits per sec; 'l4-conns-per-sec': L4 conns per sec; 'l7-conns-per-sec': L7 conns per sec; 'l7-trans-per-sec': L7 trans per sec; 'ssl-conns-per-sec': SSL conns per sec; 'ip-nat-conns-per-sec': IP NAT conns per sec; 'total-new-conns-per-sec': Total new conns per sec; 'total-curr-conns': Total curr conns; 'l4-bandwidth': L4 bandwidth; 'l7-bandwidth': L7 bandwidth;

Type: string

Supported Values: all, total-throughput-bits-per-sec, l4-conns-per-sec, l7-conns-per-sec, l7-trans-per-sec, ssl-conns-per-sec, ip-nat-conns-per-sec, total-new-conns-per-sec, total-curr-conns, l4-bandwidth, l7-bandwidth, serv-ssl-conns-per-sec, fw-conns-per-sec, gifw-conns-per-sec, l7-proxy-conns-per-sec, l7-proxy-trans-per-sec

dns

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slb_req': No. of requests; 'slb_resp': No. of responses; 'slb_no_resp': No. of resource failures; 'slb_req_rexmit': No. of request retransmits; 'slb_resp_no_match': No. of requests with no response; 'slb_no_resource': No. of resource failures; 'nat_req': (NAT) No. of requests; 'nat_resp': (NAT) No. of responses; 'nat_no_resp': (NAT) No. of resource failures; 'nat_req_rexmit': (NAT) No. of request retransmits; 'nat_resp_no_match': (NAT) No. of requests with no response; 'nat_no_resource': (NAT) No. of resource failures; 'nat_xid_reused': (NAT) No. of requests reusing a transaction id;

Type: string

Supported Values: all, slb_req, slb_resp, slb_no_resp, slb_req_rexmit, slb_resp_no_match, slb_no_resource, nat_req, nat_resp, nat_no_resp, nat_req_rexmit, nat_resp_no_match, nat_no_resource, nat_xid_reused, filter_type_drop, filter_class_drop, filter_type_any_drop, slb_dns_client_ssl_succ, slb_dns_server_ssl_succ, slb_dns_udp_conn, slb_dns_udp_conn_succ, slb_dns_padding_to_server_removed, slb_dns_padding_to_client_added, slb_dns_edns_subnet_to_server_removed, slb_dns_udp_retransmit, slb_dns_udp_retransmit_fail, rpz_action_drop, rpz_action_pass_thru, rpz_action_tcp_only, rpz_action_nxdomain, rpz_action_nodata, rpz_action_local_data, slb_drop, nat_slb_drop, invalid_q_len_to_udp

virtual-server-list

Specification	
Type	*list*
Block object keys	

acl-id

Description acl id

Type: number

Range: 1-199

Mutual Exclusion: acl-idacl-name, p-acl and shared-partition-acl are mutually exclusive

acl-id-shared

Description acl id

Type: number

Range: 1-199

Mutual Exclusion: acl-id-shared and acl-name-shared are mutually exclusive

acl-name

Description Access List name (IPv4 Access List Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-nameacl-id, p-acl and shared-partition-acl are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

acl-name-shared

Description Access List name (IPv4 Access List Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-shared and acl-id-shared are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

arp-disable

Description Disable Respond to Virtual Server ARP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Create a description for VIP

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

disable-vip-adv

Description Disable virtual server GARP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-disable-action

Description 'enable': Enable Virtual Server (default); 'disable': Disable Virtual Server; 'disable-when-all-ports-down': Disable Virtual Server when all member ports are down; 'disable-when-any-port-down': Disable Virtual Server when any member port is down;

Type: string

Supported Values: enable, disable, disable-when-all-ports-down, disable-when-any-port-down

Default: enable

ethernet

Description Ethernet interface

Type: number

Format: interface

extended-stats

Description Enable extended statistics on virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-dynamic

Description Dynamic failover based on vip status

Type: number

Range: 1-255

ip-address

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address ipv6-address and use-if-ip are mutually exclusive

ipv6-acl

Description ipv6 acl name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: ipv6-acl p-ipv6-acl and shared-partition-ipv6-acl are mutually exclusive

Refernce Object: */axapi/v3/ipv6/access-list*

ipv6-acl-shared

Description ipv6 acl name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ip-address and use-if-ip are mutually exclusive

migrate-vip

Description: migrate-vip is a **JSON Block**. Please see below for *virtual-server-list_migrate-vip*

Type: Object

Refernce Object: */axapi/v3/slb/virtual-server/{name}/migrate-vip*

name

Description SLB Virtual Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask-brief

port-list

Type: List

Refernce Object: */axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}*

redistribute-route-map

Description Route map reference (Name of route-map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribution-flagged

Description Flag VIP for special redistribution handling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-vs-template

Description Reference a virtual-server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-vs-template and template-virtual-server are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual server; 'stats-data-disable': Disable statistical data collection for virtual server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

suppress-internal-loopback

Description Suppress VIP internal loopback programming

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-logging

Description NAT Logging template (NAT Logging template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/template/logging*

template-policy

Description Policy template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-virtual-server

Description Virtual server template (Virtual server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-virtual-server and shared-partition-vs-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/virtual-server*

template-virtual-server-shared

Description Virtual-Server Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/virtual-server*

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip ipv6-address and ip-address are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vport-disable-action

Description 'drop-packet': Drop packet for disabled virtual-port;

Type: string

Supported Values: drop-packet

vrid

Description Join a vrrp group (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

virtual-server-list_port-list

Specification	
Type	*list*
Block object keys	

acl-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

aflex-scripts

Type: List

aflex-table-entry-syn-disable

Description Disable fast sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-disable and aflex-table-entry-syn-enable are mutually exclusive

aflex-table-entry-syn-enable

Description Enable fast sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-enable and aflex-table-entry-syn-disable are mutually exclusive

alt-protocol1

Description 'http': HTTP Port;

Type: string

Supported Values: http

alt-protocol2

Description 'tcp': TCP LB service;

Type: string

Supported Values: tcp

alternate-port

Description Alternate Virtual Port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: alternate-port and range are mutually exclusive

alternate-port-number

Description Virtual Port

Type: number

Range: 0-65534

attack-detection

Description Enable analytics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *virtual-server-list_port-list_auth-cfg*

Type: Object

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clientip-sticky-nat

Description Prefer to use same source NAT address for a client

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

cpu-compute

Description enable cpu compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

def-selection-if-pref-failed

Description 'def-selection-if-pref-failed': Use default server selection method if prefer method failed; 'def-selection-if-pref-failed-disable': Stop using default server selection method if prefer method failed;

Type: string

Supported Values: def-selection-if-pref-failed, def-selection-if-pref-failed-disable

Default: def-selection-if-pref-failed

enable-playerid-check

Description Enable playerid checks on UDP packets once the AX is in active mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-scaleout

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-fwd

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-fwd and trunk-fwd are mutually exclusive

eth-rev

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-rev and trunk-rev are mutually exclusive

expand

Description expand syn-cookie with timestamp and wscale

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended-stats

Description Enable extended statistics on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force-routing-mode

Description Force routing mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-enable

Description Enable Global Server Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-session-lb

Description Enable GTP Session Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-conn-mirror

Description Enable for HA Conn sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-global

Description Ignore global substitute-source-mac

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-map-list

Description Enter name of IP Map List to be bound (IP Map List Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-only-lb

Description Enable IP-Only LB mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-smart-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipinip

Description Enable IP in IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-hardware-assist

Description FPGA assist L7 packet parsing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-service-chain

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

memory-compute

Description enable dynamic memory compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-switching

Description Message switching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SLB Virtual Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-dest-nat

Description Disable destination NAT, this option only supports in wildcard VIP or when a connection is operated in SSLi + EP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

on-syn

Description Enable for HA Conn sync for l4 tcp sessions on SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn

Description Support server that allow only one connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

optimization-level

Description '0': No optimization; '1': Optimization level 1 (Experimental);

Type: string

Supported Values: 0, 1

Default: 0

p-template-sip-shared

Description SIP Template Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: p-template-sip-shared and template-sip are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl*

persist-type

Description 'src-dst-ip-swap-persist': Create persist session after source IP and destination IP swap; 'use-src-ip-for-dst-persist': Use the source IP to create a destination persist session; 'use-dst-ip-for-src-persist': Use the destination IP to create source IP persist session;

Type: string

Supported Values: src-dst-ip-swap-persist, use-src-ip-for-dst-persist, use-dst-ip-for-src-persist

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pool and shared-partition-pool are mutually exclusive

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-number

Description Port

Type: number

Range: 0-65534

port-translation

Description Enable port translation under no-dest-nat

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'ssh': SSH Port; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix

proxy-layer

Description 'v1': Force using old proxy; 'v2': Force using new proxy;

Type: string

Supported Values: v1, v2

range

Description Virtual Port range (Virtual Port range value)

Type: number

Range: 0-254

Default: 0

Mutual Exclusion: range and alternate-port are mutually exclusive

rate

Description Specify the log message rate

Type: number

Range: 0-2147483647

redirect-to-https

Description Redirect HTTP to HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reply-acme-challenge

Description Reply ACME http-01 challenge. This option only takes effect in HTTP port 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-fail

Description Use alternate virtual port when L7 request fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reselection

Description 'disable': disable;

Type: string

Supported Values: disable

reset

Description Send client reset when connection number over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-on-server-selection-fail

Description Send client reset when server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resolve-web-cat-list

Description Web Category List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

rtp-sip-call-id-match

Description rtp traffic try to match the real server of sip smp call-id session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-bucket-count

Description Number of traffic buckets

Type: number

Range: 1-256

Default: 32

scaleout-device-group

Description Device group id

Type: number

Range: 1-16

secs

Description Specify the interval in seconds

Type: number

Range: 1-100

serv-sel-fail

Description Use alternate virtual port when server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-group

Description Bind a use-rcv-hop-for-resp Server Group to this Virtual Server (Server Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server-group*

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-cache-template

Description Reference a Cache template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cache-template and template-cache are mutually exclusive

shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-client-ssl-template and template-client-ssl are mutually exclusive

shared-partition-connection-reuse-template

Description Reference a connection reuse template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-connection-reuse-template and template-connection-reuse are mutually exclusive

shared-partition-dblb-template

Description Reference a dblb template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dblb-template and template-dblb are mutually exclusive

shared-partition-diameter-template

Description Reference a Diameter template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-diameter-template and template-diameter are mutually exclusive

shared-partition-dns-template

Description Reference a dns template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and template-dns are mutually exclusive

shared-partition-doh-template

Description Reference a DNS over HTTP(s) template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-doh-template and template-doh are mutually exclusive

shared-partition-dynamic-service-template

Description Reference a dynamic service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dynamic-service-template and template-dynamic-service are mutually exclusive

shared-partition-external-service-template

Description Reference a external service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-external-service-template and template-external-service are mutually exclusive

shared-partition-fix-template

Description Reference a FIX template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-fix-template and template-fix are mutually exclusive

shared-partition-http-policy-template

Description Reference a http policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-policy-template and template-http-policy are mutually exclusive

shared-partition-http-template

Description Reference a HTTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-template and template-http are mutually exclusive

shared-partition-imap-pop3-template

Description Reference a IMAP/POP3 template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-imap-pop3-template and template-imap-pop3 are mutually exclusive

shared-partition-persist-cookie-template

Description Reference a persist cookie template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-cookie-template and template-persist-cookie are mutually exclusive

shared-partition-persist-destination-ip-template

Description Reference a persist destination ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-destination-ip-template and template-persist-destination-ip are mutually exclusive

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and template-persist-source-ip are mutually exclusive

shared-partition-persist-ssl-sid-template

Description Reference a persist SSL SID template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-ssl-sid-template and template-persist-ssl-sid are mutually exclusive

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-pool

Description Specify NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-server-ssl-template

Description Reference a SSL Server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-ssl-template and template-server-ssl are mutually exclusive

shared-partition-smpp-template

Description Reference a smpp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smpp-template and template-smpp are mutually exclusive

shared-partition-smtp-template

Description Reference a SMTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smtp-template and template-smtp are mutually exclusive

shared-partition-tcp

Description Reference a tcp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp and template-tcp are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and template-tcp-proxy are mutually exclusive

shared-partition-udp

Description Reference a UDP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-udp and template-udp are mutually exclusive

shared-partition-virtual-port-template

Description Reference a Virtual Port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-virtual-port-template and template-virtual-port are mutually exclusive

skip-rev-hash

Description Skip rev tuple hash insertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual port; 'stats-data-disable': Disable statistical data collection for virtual port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

support-http2

Description Support HTTP2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Enable syn-cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cache and shared-partition-cache-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cache*

template-cache-shared

Description Cache Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cache*

template-client-ssh

Description Client SSH Template (Client SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/client-ssh*

template-client-ssl

Description Client SSL Template (Client SSL Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-client-ssl and shared-partition-client-ssl-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/client-ssl*

template-client-ssl-shared

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/client-ssl*

template-connection-reuse

Description Connection Reuse Template (Connection Reuse Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-connection-reuse and shared-partition-connection-reuse-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/connection-reuse*

template-connection-reuse-shared

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/connection-reuse*

template-dblb

Description DBLB Template (DBLB template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dblb and shared-partition-dblb-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dblb*

template-dblb-shared

Description DBLB Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dblb*

template-diameter

Description Diameter Template (diameter template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-diameter and shared-partition-diameter-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/diameter*

template-diameter-shared

Description Diameter Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/diameter*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dns and shared-partition-dns-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dns*

template-dns-shared

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dns*

template-doh

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-doh and shared-partition-doh-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/doh*

template-doh-shared

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/doh*

template-dynamic-service

Description Dynamic Service Template (dynamic-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dynamic-service and shared-partition-dynamic-service-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dynamic-service*

template-dynamic-service-shared

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dynamic-service*

template-external-service

Description External service template (external-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-external-service and shared-partition-external-service-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/external-service*

template-external-service-shared

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/external-service*

template-fix

Description FIX template (FIX Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-fix and shared-partition-fix-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/fix*

template-fix-shared

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/fix*

template-ftp

Description FTP port template (Ftp template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/ftp*

template-http

Description HTTP Template (HTTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http and shared-partition-http-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/http*

template-http-policy

Description http-policy template (http-policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http-policy and shared-partition-http-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/http-policy*

template-http-policy-shared

Description Http Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/http-policy*

template-http-shared

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/http*

template-imap-pop3

Description IMAP/POP3 Template (IMAP/POP3 Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-imap-pop3 and shared-partition-imap-pop3-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/imap-pop3*

template-imap-pop3-shared

Description IMAP/POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/imap-pop3*

template-mqtt

Description MQTT Template (MQTT Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/mqtt*

template-persist-cookie

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-cookie and shared-partition-persist-cookie-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/cookie*

template-persist-cookie-shared

Description Cookie Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/cookie*

template-persist-destination-ip

Description Destination IP persistence (Destination IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-destination-ip and shared-partition-persist-destination-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-destination-ip-shared

Description Destination IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-source-ip

Description Source IP persistence (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-ssl-sid

Description SSL session ID persistence (Source IP Persistence Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-ssl-sid and shared-partition-persist-ssl-sid-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid*

template-persist-ssl-sid-shared

Description SSL SID Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

template-ram-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cache*

template-reqmod-icap

Description ICAP reqmod template (reqmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/reqmod-icap*

template-respmod-icap

Description ICAP respmod service template (respmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/respmod-icap*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template-server-ssh

Description Server SSH Template (Server SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssh*

template-server-ssl

Description Server Side SSL Template (Server SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-server-ssl and shared-partition-server-ssl-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/server-ssl*

template-server-ssl-shared

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

template-sip

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-sip and p-template-sip-shared are mutually exclusive

Refernce Object: */axapi/v3/slb/template/sip*

template-sip-shared

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/sip*

template-smpp

Description SMPP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smpp and shared-partition-smpp-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/smpp*

template-smpp-shared

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/smpp*

template-smtp

Description SMTP Template (SMTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smtp and shared-partition-smtp-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/smtp*

template-smtp-shared

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/smtp*

template-ssli

Description SSLi template (SSLi Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/ssli*

template-tcp

Description L4 TCP Template (TCP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-tcp and shared-partition-tcp are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp*

template-tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-client

Description TCP Proxy Config Client (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-server

Description TCP Proxy Config Server (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-shared

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/tcp*

template-udp

Description L4 UDP Template (UDP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-udp and shared-partition-udp are mutually exclusive

Refernce Object: */axapi/v3/slb/template/udp*

template-udp-shared

Description UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/udp*

template-virtual-port

Description Virtual port template (Virtual port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-virtual-port and shared-partition-virtual-port-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/virtual-port*

template-virtual-port-shared

Description Virtual Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/virtual-port*

trunk-fwd

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-fwd and eth-fwd are mutually exclusive

trunk-rev

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-rev and eth-rev are mutually exclusive

use-alternate-port

Description Use alternate virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-cgnv6

Description Follow CGNv6 source NAT configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-default-if-no-server

Description Use default forwarding if server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-for-resp

Description Use receive hop for response to client(For packets on default-vlan, also config "vlan-global enable-def-vlan-l2-forwarding".)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-group

Description Set use-rcv-hop group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

view

Description Specify a GSLB View (ID)

Type: number

Range: 1-31

waf-template

Description WAF template (WAF Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

when-down

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-down-protocol2

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

virtual-server-list_port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_l4_conn': Total L4 connections; 'total_l7_conn': Total L7 connections; 'total_tcp_conn': Total TCP connections; 'total_conn': Total connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_dns_pkts': Total DNS packets; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total failure actions; 'compression_bytes_before': Data into compression engine; 'compression_bytes_after': Data out of compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn': Peak connections; 'curr_conn_rate': Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'loc_permit': Permit number; 'loc_deny': Deny number; 'loc_conn': Connection number; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, total_tcp_conn, total_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time, loc_permit, loc_deny, loc_conn, curr_ssl_conn, total_ssl_conn, backend-time-to-first-byte, backend-time-to-last-byte, in-latency, out-latency, total_fwd_bytes_out, total_fwd_pkts_out, total_rev_bytes_out, total_rev_pkts_out, curr_req_rate, curr_resp, total_resp, total_resp_succ, curr_resp_rate, dnsrrl_total_allowed, dnsrrl_total_dropped, dnsrrl_total_slipped, dnsrrl_bad_fqdn, throughput-bits-per-sec, dynamic-memory-alloc, dynamic-memory-free, dynamic-memory, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts, total_dns_filter_type_drop, total_dns_filter_class_drop, dns_filter_type_a_drop, dns_filter_type_aaaa_drop, dns_filter_type_cname_drop, dns_filter_type_mx_drop, dns_filter_type_ns_drop, dns_filter_type_srv_drop, dns_filter_type_ptr_drop, dns_filter_type_soa_drop, dns_filter_type_txt_drop, dns_filter_type_any_drop, dns_filter_type_others_drop, dns_filter_class_internet_drop, dns_filter_class_chaos_drop, dns_filter_class_hesiod_drop, dns_filter_class_none_drop, dns_filter_class_any_drop, dns_filter_class_others_drop, dns_rpz_action_drop, dns_rpz_action_pass_thru, dns_rpz_action_tcp_only, dns_rpz_action_nxdomain, dns_rpz_action_nodata, dns_rpz_action_local_data, dns_rpz_trigger_client_ip, dns_rpz_trigger_resp_ip, dns_rpz_trigger_ns_ip, dns_rpz_trigger_qname, dns_rpz_trigger_ns_name

virtual-server-list_port-list_acl-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

Mutual Exclusion: acl-id p-acl and shared-partition-acl are mutually exclusive

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-shared

Description acl id

Type: number

Range: 1-199

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-id-src-nat-pool and shared-partition-pool-id are mutually exclusive

acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-shared

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-src-nat-pool shared-partition-pool-name and v-shared-partition-pool-name are mutually exclusive

acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-id and acl-id-src-nat-pool are mutually exclusive

shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

v-acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: v-acl-id-src-nat-pool and v-shared-partition-pool-id are mutually exclusive

v-acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v-acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v-acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v-shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-id and v-acl-id-src-nat-pool are mutually exclusive

v-shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

virtual-server-list_port-list_aflex-scripts

Specification	
Type	*list*
Block object keys	

aflex

Description Bind aFleX Script to the Virtual Port (aFleX Script Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

aflex-shared

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

virtual-server-list_port-list_auth-cfg

Specification	
Type	*object*

aaa-policy

Description Specify AAA policy name to bind to the virtual port

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/aaa-policy*

virtual-server-list_migrate-vip

Specification	
Type	*object*

cancel-migration

Description Cancel migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cancel-migration and finish-migration are mutually exclusive

finish-migration

Description Complete the migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: finish-migration and cancel-migration are mutually exclusive

target-data-cpu

Description Number of CPUs on the target platform

Type: number

Range: 1-75

target-floating-ipv4

Description Specify IP address

Type: string

Format: ipv4-address

Mutual Exclusion: target-floating-ipv4 and target-floating-ipv6 are mutually exclusive

target-floating-ipv6

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: target-floating-ipv6 and target-floating-ipv4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no_route; 'snat_fail': source nat failure; 'feat': feat packet; 'cc': clear ctrl port packet; 'data_ssl': data ssl force; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'auth_tls': auth tls cmd; 'prot': prot cmd; 'pbsz': pbsz cmd; 'pasv': pasv cmd; 'port': port cmd; 'request_dont_care': other cmd; 'client_auth_tls': client auth tls; 'cant_find_pasv': cant find pasv; 'pasv_addr_ne_server': psv addr not equal to svr; 'smp_create_fail': smp create fail; 'data_server_conn_fail': data svr conn fail; 'data_send_fail': data send fail; 'epsv': epsv command; 'cant_find_epsv': cant find epsv; 'data_curr': Current Data Proxy; 'data_total': Total Data Proxy; 'auth_unsupported': Unsupported auth; 'adat': adat cmd; 'unsupported_pbsz_value': Unsupported PBSZ; 'unsupported_prot_value': Unsupported PROT; 'unsupported_command': Unsupported cmd; 'control_to_clear': Control chn clear txt; 'control_to_ssl': Control chn ssl; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'data_conn_start_err': Data Start state error; 'data_serv_connecting_err': Data Serv CTNG error; 'data_serv_connected_err': Data Serv CTED error; 'request': Total FTP Request; 'auth_req': Auth Request; 'auth_succ': Auth Success; 'auth_fail': Auth Failure; 'fwd_to_internet': Forward to Internet; 'fwd_to_sg': Total Forward to Service-group; 'drop': Total FTP Drop; 'ds_succ': Host Domain Name is resolved; 'ds_fail': Host Domain Name isn't resolved; 'open': open cmd; 'site': site cmd; 'user': user cmd; 'pass': pass cmd; 'quit': quit cmd;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, feat, cc, data_ssl, line_too_long, line_mem_freed, invalid_start_line, auth_tls, prot, pbsz, pasv, port, request_dont_care, client_auth_tls, cant_find_pasv, pasv_addr_ne_server, smp_create_fail, data_server_conn_fail, data_send_fail, epsv, cant_find_epsv, data_curr, data_total, auth_unsupported, adat, unsupported_pbsz_value, unsupported_prot_value, unsupported_command, control_to_clear, control_to_ssl, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, data_conn_start_err, data_serv_connecting_err, data_serv_connected_err, request, auth_req, auth_succ, auth_fail, fwd_to_internet, fwd_to_sg, drop, ds_succ, ds_fail, open, site, user, pass, quit, eprt, cant_find_port, cant_find_eprt

ssl-expire-check

Specification	
Type	*object*

before

Description The number of days in advance notice before expiration, default is 5

Type: number

Range: 1-60

Default: 5

exception

Description: exception is a **JSON Block**. Please see below for *ssl-expire-check_exception*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-expire-check/exception*

expire-address1

Description Email address for certificate expiration check

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

interval-days

Description The interval of days notice after expiration, default is 2

Type: number

Range: 1-5

Default: 2

ssl-expire-email-address

Description Config Email address for certificate expiration check

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-expire-check_exception

Specification	
Type	*object*

action

Description 'add': Add an exception; 'delete': Delete an exception; 'clean': Delete all exception;

Type: string

Supported Values: add, delete, clean

certificate-name

Description The certificate name

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

rate-limit-log

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rate-limit-log_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_log_times': Total log times; 'total_log_msg': Total log messages; 'local_log_msg': Local log messages; 'remote_log_msg': Remote log messages; 'local_log_rate': Local rate (per sec); 'remote_log_rate': Remote rate (per sec); 'msg_too_big': Log message too big; 'buff_alloc_fail': Buffer alloc fail; 'no_route': No route;

'buff_send_fail': Buffer send fail; 'alloc_conn': Log-session alloc; 'free_conn': Log-session free; 'conn_alloc_fail': Log-session alloc fail; 'no_repeat_msg': No repeat message;

Type: string

Supported Values: all, total_log_times, total_log_msg, local_log_msg, remote_log_msg, local_log_rate, remote_log_rate, msg_too_big, buff_alloc_fail, no_route, buff_send_fail, alloc_conn, free_conn, conn_alloc_fail, no_repeat_msg, local_log_dropped

ssl-ocsp

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-revoke

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-revoke_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ocsp_stapling_response_good': OCSP stapling response good; 'ocsp_chain_status_good': Certificate chain status good; 'ocsp_chain_status_revoked': Certificate chain status revoked; 'ocsp_chain_status_unknown': Certificate chain status unknown;

'ocsp_request': OCSP requests; 'ocsp_response': OCSP responses; 'ocsp_connection_error': OCSP connection error; 'ocsp_uri_not_found': OCSP URI not found; 'ocsp_uri_https': Log OCSP URI https; 'ocsp_uri_unsupported': OCSP URI unsupported; 'ocsp_response_status_good': OCSP response status good; 'ocsp_response_status_revoked': OCSP response status revoked; 'ocsp_response_status_unknown': OCSP response status unknown; 'ocsp_cache_status_good': OCSP cache status good; 'ocsp_cache_status_revoked': OCSP cache status revoked; 'ocsp_cache_miss': OCSP cache miss; 'ocsp_cache_expired': OCSP cache expired; 'ocsp_other_error': Log OCSP other errors; 'ocsp_response_no_nonce': Log OCSP other errors; 'ocsp_response_nonce_error': Log OCSP other errors; 'crl_request': CRL requests; 'crl_response': CRL responses; 'crl_connection_error': CRL connection errors; 'crl_uri_not_found': CRL URI not found; 'crl_uri_https': CRL URI https; 'crl_uri_unsupported': CRL URI unsupported; 'crl_response_status_good': CRL response status good; 'crl_response_status_revoked': CRL response status revoked; 'crl_response_status_unknown': CRL response status unknown; 'crl_cache_status_good': CRL cache status good; 'crl_cache_status_revoked': CRL cache status revoked; 'crl_other_error': CRL other errors;

Type: string

Supported Values: all, ocsp_stapling_response_good, ocsp_chain_status_good, ocsp_chain_status_revoked, ocsp_chain_status_unknown, ocsp_request, ocsp_response, ocsp_connection_error, ocsp_uri_not_found, ocsp_uri_https, ocsp_uri_unsupported, ocsp_response_status_good, ocsp_response_status_revoked, ocsp_response_status_unknown, ocsp_cache_status_good, ocsp_cache_status_revoked, ocsp_cache_miss, ocsp_cache_expired, ocsp_other_error, ocsp_response_no_nonce, ocsp_response_nonce_error, crl_request, crl_response, crl_connection_error, crl_uri_not_found, crl_uri_https, crl_uri_unsupported, crl_response_status_good, crl_response_status_revoked, crl_response_status_unknown, crl_cache_status_good, crl_cache_status_revoked, crl_other_error

pop3-proxy

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pop3-proxy_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'stls': stls cmd; 'request_dont_care': other cmd; 'unsupported_command': Unsupported cmd; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'request': Total POP3 Request; 'control_to_ssl': Control chn ssl;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, line_too_long, line_mem_freed, invalid_start_line, stls, request_dont_care, unsupported_command, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, request, control_to_ssl

mlb

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mlb_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client_msg_sent': Client message sent; 'server_msg_received': Server message received; 'server_conn_created': Server connection created; 'server_conn_rst': Server connection reset; 'server_conn_failed': Server connection failed; 'server_conn_closed': Server connection closed; 'client_conn_created': Client connection created; 'client_conn_closed': Client connection closed; 'client_conn_not_found': Client connection not found; 'msg_dropped': Message dropped; 'msg_rerouted': Message rerouted; 'mlb_dcmsg_sent': Dcmsg sent; 'mlb_dcmsg_received': Dcmsg received; 'mlb_dcmsg_error': Dcmsg error; 'mlb_dcmsg_alloc': Dcmsg alloc; 'mlb_dcmsg_free': Dcmsg free; 'mlb_server_probe': Server probe; 'mlb_server_down': Server down;

Type: string

Supported Values: all, client_msg_sent, server_msg_received, server_conn_created, server_conn_rst, server_conn_failed, server_conn_closed, client_conn_created, client_conn_closed, client_conn_not_found, msg_dropped, msg_rerouted, mlb_dcmsg_sent, mlb_dcmsg_received, mlb_dcmsg_error, mlb_dcmsg_alloc, mlb_dcmsg_free, mlb_server_probe, mlb_server_down

player-id-ep

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smpp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smpp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_proxy_current': Curr SMPP Proxy; 'msg_proxy_total': Total SMPP Proxy; 'msg_proxy_mem_allocd': msg_proxy_mem_allocd; 'msg_proxy_mem_cached': msg_proxy_mem_cached; 'msg_proxy_mem_freed': msg_proxy_mem_freed; 'msg_proxy_client_recv': Client message rcvd; 'msg_proxy_client_send_success': Sent to server; 'msg_proxy_client_incomplete': Incomplete; 'msg_proxy_client_drop': AX responds directly; 'msg_proxy_client_connection': Connecting server; 'msg_proxy_client_fail': Number of SMPP messages received from client but failed to forward to server; 'msg_proxy_client_fail_parse': msg_proxy_client_fail_parse; 'msg_proxy_client_fail_process': msg_proxy_client_fail_process; 'msg_proxy_client_fail_snat': msg_proxy_client_fail_snat; 'msg_proxy_client_exceed_tmp_buff': msg_proxy_client_exceed_tmp_buff; 'msg_proxy_client_fail_send_pkt': msg_proxy_client_fail_send_pkt; 'msg_proxy_client_fail_start_server_Conn': msg_proxy_client_fail_start_server_Conn; 'msg_proxy_server_recv': Server message rcvd; 'msg_proxy_server_send_success': Sent to client; 'msg_proxy_server_incomplete': Incomplete; 'msg_proxy_server_drop': Number of the packet AX drop; 'msg_proxy_server_fail': Number of SMPP messages received from server but failed to forward to client; 'msg_proxy_server_fail_parse': msg_proxy_server_fail_parse; 'msg_proxy_server_fail_process': msg_proxy_server_fail_process; 'msg_proxy_server_fail_selec_connt': msg_proxy_server_fail_selec_connt; 'msg_proxy_server_fail_snat': msg_proxy_server_fail_snat; 'msg_proxy_server_exceed_tmp_buff': msg_proxy_server_exceed_tmp_buff; 'msg_proxy_server_fail_send_pkt': msg_proxy_server_fail_send_pkt; 'msg_proxy_create_server_conn': Server conn created; 'msg_proxy_start_server_conn': Number of server connection created successfully; 'msg_proxy_fail_start_server_conn': Number of server connection created failed; 'msg_proxy_server_conn_fail_snat': msg_proxy_server_conn_fail_snat; 'msg_proxy_fail_construct_server_conn': msg_proxy_fail_construct_server_conn; 'msg_proxy_fail_reserve_pconn': msg_proxy_fail_reserve_pconn; 'msg_proxy_start_server_conn_failed': msg_proxy_start_server_conn_failed; 'msg_proxy_server_conn_already_exists': msg_proxy_server_conn_already_exists; 'msg_proxy_fail_insert_server_conn': msg_proxy_fail_insert_server_conn; 'msg_proxy_parse_msg_fail': msg_proxy_parse_msg_fail; 'msg_proxy_process_msg_fail': msg_proxy_process_msg_fail; 'msg_proxy_no_vport': msg_proxy_no_vport; 'msg_proxy_fail_select_server': msg_proxy_fail_select_server; 'msg_proxy_fail_alloc_mem': msg_proxy_fail_alloc_mem; 'msg_proxy_unexpected_err': msg_proxy_unexpected_err; 'msg_proxy_l7_cpu_failed': msg_proxy_l7_cpu_failed; 'msg_proxy_l4_to_l7': msg_proxy_l4_to_l7; 'msg_proxy_l4_from_l7': msg_proxy_l4_from_l7; 'msg_proxy_to_l4_send_pkt':

msg_proxy_to_l4_send_pkt; 'msg_proxy_l4_from_l4_send': msg_proxy_l4_from_l4_send; 'msg_proxy_l7_to_L4': msg_proxy_l7_to_L4; 'msg_proxy_mag_back': msg_proxy_mag_back; 'msg_proxy_fail_dcmsg': msg_proxy_fail_dcmsg; 'msg_proxy_deprecated_conn': msg_proxy_deprecated_conn; 'msg_proxy_hold_msg': msg_proxy_hold_msg; 'msg_proxy_split_pkt': msg_proxy_split_pkt; 'msg_proxy_pipline_msg': msg_proxy_pipline_msg; 'msg_proxy_client_reset': msg_proxy_client_reset; 'msg_proxy_server_reset': msg_proxy_server_reset; 'payload_allocd': payload_allocd; 'payload_freed': payload_freed; 'pkt_too_small': pkt_too_small; 'invalid_seq': invalid_seq; 'AX_response_directly': Number of packet which AX responds directly; 'select_client_conn': Client conn selection; 'select_client_by_req': Select by request; 'select_client_from_list': Select by roundbin; 'select_client_by_conn': Select by conn; 'select_client_fail': Select failed; 'select_server_conn': Server conn selection; 'select_server_by_req': Select by request; 'select_server_from_list': Select by roundbin; 'select_server_by_conn': Select server conn by client conn; 'select_server_fail': Fail to select server conn; 'bind_conn': bind_conn; 'unbind_conn': unbind_conn; 'enquire_link_recv': enquire_link_recv; 'enquire_link_resp_recv': enquire_link_resp_recv; 'enquire_link_send': enquire_link_send; 'enquire_link_resp_send': enquire_link_resp_send; 'client_conn_put_in_list': client_conn_put_in_list; 'client_conn_get_from_list': client_conn_get_from_list; 'server_conn_put_in_list': server_conn_put_in_list; 'server_conn_get_from_list': server_conn_get_from_list; 'server_conn_fail_bind': server_conn_fail_bind; 'single_msg': single_msg; 'fail_bind_msg': fail_bind_msg;

Type: string

Supported Values: all, msg_proxy_current, msg_proxy_total, msg_proxy_mem_allocd, msg_proxy_mem_cached, msg_proxy_mem_freed, msg_proxy_client_recv, msg_proxy_client_send_success, msg_proxy_client_incomplete, msg_proxy_client_drop, msg_proxy_client_connection, msg_proxy_client_fail, msg_proxy_client_fail_parse, msg_proxy_client_fail_process, msg_proxy_client_fail_snat, msg_proxy_client_exceed_tmp_buff, msg_proxy_client_fail_send_pkt, msg_proxy_client_fail_start_server_Conn, msg_proxy_server_recv, msg_proxy_server_send_success, msg_proxy_server_incomplete, msg_proxy_server_drop, msg_proxy_server_fail, msg_proxy_server_fail_parse, msg_proxy_server_fail_process, msg_proxy_server_fail_selec_connt, msg_proxy_server_fail_snat, msg_proxy_server_exceed_tmp_buff, msg_proxy_server_fail_send_pkt, msg_proxy_create_server_conn, msg_proxy_start_server_conn, msg_proxy_fail_start_server_conn, msg_proxy_server_conn_fail_snat, msg_proxy_fail_construct_server_conn, msg_proxy_fail_reserve_pconn, msg_proxy_start_server_conn_failed, msg_proxy_server_conn_already_exists, msg_proxy_fail_insert_server_conn, msg_proxy_parse_msg_fail, msg_proxy_process_msg_fail, msg_proxy_no_vport, msg_proxy_fail_select_server, msg_proxy_fail_alloc_mem, msg_proxy_unexpected_err, msg_proxy_l7_cpu_failed, msg_proxy_l4_to_l7, msg_proxy_l4_from_l7, msg_proxy_to_l4_send_pkt, msg_proxy_l4_from_l4_send, msg_proxy_l7_to_L4, msg_proxy_mag_back, msg_proxy_fail_dcmsg, msg_proxy_deprecated_conn, msg_proxy_hold_msg, msg_proxy_split_pkt, msg_proxy_pipline_msg, msg_proxy_client_reset, msg_proxy_server_reset, payload_allocd, payload_freed, pkt_too_small, invalid_seq, AX_response_directly, select_client_conn, select_client_by_req, select_client_from_list, select_client_by_conn, select_client_fail, select_server_conn, select_server_by_req, select_server_from_list, select_server_by_conn, select_server_fail, bind_conn, unbind_conn, enquire_link_recv, enquire_link_resp_recv, enquire_link_send, enquire_link_resp_send, client_conn_put_in_list, client_conn_get_from_list, server_conn_put_in_list, server_conn_get_from_list, server_conn_fail_bind, single_msg, fail_bind_msg

svm-source-nat

Specification	
Type	*object*

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http2

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http2_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'connection_preface_rcvd': Connection preface rcvd; 'control_frame': Control Frame Rcvd; 'headers_frame': HEADERS Frame Rcvd; 'continuation_frame': CONTINUATION Frame Rcvd; 'rst_frame_rcvd': RST_STREAM Frame Rcvd; 'settings_frame': SETTINGS Frame Rcvd; 'window_update_frame': WINDOW_UPDATE Frame Rcvd; 'ping_frame': PING Frame Rcvd; 'goaway_frame': GOAWAY Frame Rcvd; 'priority_frame': PRIORITY Frame Rcvd; 'data_frame': DATA Frame Recvd; 'unknown_frame': Unknown Frame Recvd; 'connection_preface_sent': Connection preface sent; 'settings_frame_sent': SETTINGS Frame Sent; 'settings_ack_sent': SETTINGS ACK Frame Sent; 'empty_settings_sent': Empty SETTINGS Frame Sent; 'ping_frame_sent': PING Frame Sent; 'window_update_frame_sent': WINDOW_UPDATE Frame Sent; 'rst_frame_sent': RST_STREAM Frame Sent; 'goaway_frame_sent': GOAWAY Frame Sent; 'header_to_app': HEADER Frame to HTTP; 'data_to_app': DATA Frame to HTTP; 'protocol_error': Protocol Error; 'internal_error': Internal Error; 'proxy_alloc_error': HTTP2 Proxy alloc Error; 'split_buff_fail': Splitting Buffer Failed; 'invalid_frame_size': Invalid Frame Size Rcvd; 'error_max_invalid_stream': Max Invalid Stream Rcvd; 'data_no_stream': DATA Frame Rcvd on non-existent stream; 'flow_control_error': Flow Control Error; 'settings_timeout': Settings Timeout; 'frame_size_error': Frame Size Error; 'refused_stream': Refused Stream; 'cancel': cancel; 'compression_error': compression error; 'connect_error': connect error; 'enhance_your_calm': enhance your calm error; 'inadequate_security': inadequate security; 'http_1_1_required': HTTP1.1 Required; 'deflate_alloc_fail': deflate alloc fail; 'inflate_alloc_fail': inflate alloc fail; 'inflate_header_fail': Inflate Header Fail; 'bad_connection_preface': Bad Connection Preface; 'cant_allocate_control_frame': Cant allocate control frame; 'cant_allocate_settings_frame': Cant allocate SETTINGS frame; 'bad_frame_type_for_stream_state': Bad frame type for stream state; 'wrong_stream_state': Wrong Stream State; 'data_queue_alloc_error': Data Queue Alloc Error; 'buff_alloc_error': Buff alloc error; 'cant_allocate_rst_frame': Cant allocate RST_STREAM frame; 'cant_allocate_goaway_frame': Cant allocate GOAWAY frame; 'cant_allocate_ping_frame': Cant allocate PING frame; 'cant_allocate_stream': Cant allocate stream; 'cant_allocate_window_frame': Cant allocate WINDOW_UPDATE frame; 'header_no_stream': header no stream; 'header_padlen_gt_frame_payload': Header padlen greater than frame payload size; 'streams_gt_max_concur_streams': Streams greater than max allowed concurrent streams; 'idle_state_unexpected_frame': Unxpected frame received in idle state; 'reserved_local_state_unexpected_frame': Unexpected frame received in reserved local state; 'reserved_remote_state_unexpected_frame': Unexpected frame received in reserved remote state; 'half_closed_remote_state_unexpected_frame': Unexpected frame received in half closed remote state; 'closed_state_unexpected_frame': Unexpected frame received in closed state; 'zero_window_size_on_stream': Window Update with zero increment rcvd; 'exceeds_max_window_size_stream': Window Update with increment that results in exceeding max window; 'stream_closed': stream closed; 'continuation_before_headers': CONTINUATION frame with no headers frame; 'invalid_frame_during_headers': frame before headers were complete; 'headers_after_continuation': headers frame before CONTINUATION was complete; 'push_promise_frame_sent': Push Promise Frame Sent; 'invalid_push_promise': unexpected PUSH_PROMISE frame; 'invalid_stream_id': received invalid stream ID; 'headers_interleaved': headers interleaved on streams; 'trailers_no_end_stream': trailers not marked as end-of-stream; 'invalid_setting_value': invalid setting-frame value; 'invalid_window_update': window-update value out of range; 'frame_header_bytes_received': frame header bytes received; 'frame_header_bytes_sent': frame header bytes sent; 'control_bytes_received': HTTP/2 control frame bytes received; 'control_bytes_sent': HTTP/2 control frame bytes sent; 'header_bytes_received': HTTP/2 header bytes received; 'header_bytes_sent': HTTP/2 header bytes sent; 'data_bytes_received': HTTP/2 data bytes received; 'data_bytes_sent': HTTP/2 data bytes sent; 'total_bytes_received': HTTP/2 total bytes received; 'total_bytes_sent': HTTP/2 total bytes sent; 'peak_proxy': Peak Proxy Conns; 'control_frame_sent': Control Frame Sent; 'continuation_frame_sent': CONTINUATION

Frame Sent; 'data_frame_sent': DATA Frame Sent; 'headers_frame_sent': HEADERS Frame Sent; 'priority_frame_sent': PRIORITY Frame Sent; 'settings_ack_rcvd': SETTINGS ACK Frame Rcvd; 'empty_settings_rcvd': Empty SETTINGS Frame Rcvd; 'alloc_fail_total': Alloc Fail - Total; 'err_rcvd_total': Error Rcvd - Total; 'err_sent_total': Error Rent - Total; 'err_sent_proto_err': Error Sent - PROTOCOL_ERROR; 'err_sent_internal_err': Error Sent - INTERNAL_ERROR; 'err_sent_flow_control': Error Sent - FLOW_CONTROL_ERROR; 'err_sent_setting_timeout': Error Sent - SETTINGS_TIMEOUT; 'err_sent_stream_closed': Error Sent - STREAM_CLOSED; 'err_sent_frame_size_err': Error Sent - FRAME_SIZE_ERROR; 'err_sent_refused_stream': Error Sent - REFUSED_STREAM; 'err_sent_cancel': Error Sent - CANCEL; 'err_sent_compression_err': Error Sent - COMPRESSION_ERROR; 'err_sent_connect_err': Error Sent - CONNECT_ERROR; 'err_sent_your_calm': Error Sent - ENHANCE_YOUR_CALM; 'err_sent_inadequate_security': Error Sent - INADEQUATE_SECURITY; 'err_sent_http11_required': Error Sent - HTTP_1_1_REQUIRED; 'http2_rejected': HTTP2 Rejected;

Type: string

Supported Values: all, curr_proxy, total_proxy, connection_preface_rcvd, control_frame, headers_frame, continuation_frame, rst_frame_rcvd, settings_frame, window_update_frame, ping_frame, goaway_frame, priority_frame, data_frame, unknown_frame, connection_preface_sent, settings_frame_sent, settings_ack_sent, empty_settings_sent, ping_frame_sent, window_update_frame_sent, rst_frame_sent, goaway_frame_sent, header_to_app, data_to_app, protocol_error, internal_error, proxy_alloc_error, split_buff_fail, invalid_frame_size, error_max_invalid_stream, data_no_stream, flow_control_error, settings_timeout, frame_size_error, refused_stream, cancel, compression_error, connect_error, enhance_your_calm, inadequate_security, http_1_1_required, deflate_alloc_fail, inflate_alloc_fail, inflate_header_fail, bad_connection_preface, cant_allocate_control_frame, cant_allocate_settings_frame, bad_frame_type_for_stream_state, wrong_stream_state, data_queue_alloc_error, buff_alloc_error, cant_allocate_rst_frame, cant_allocate_goaway_frame, cant_allocate_ping_frame, cant_allocate_stream, cant_allocate_window_frame, header_no_stream, header_padlen_gt_frame_payload, streams_gt_max_concur_streams, idle_state_unexpected_frame, reserved_local_state_unexpected_frame, reserved_remote_state_unexpected_frame, half_closed_remote_state_unexpected_frame, closed_state_unexpected_frame, zero_window_size_on_stream, exceeds_max_window_size_stream, stream_closed, continuation_before_headers, invalid_frame_during_headers, headers_after_continuation, push_promise_frame_sent, invalid_push_promise, invalid_stream_id, headers_interleaved, trailers_no_end_stream, invalid_setting_value, invalid_window_update, frame_header_bytes_received, frame_header_bytes_sent, control_bytes_received, control_bytes_sent, header_bytes_received, header_bytes_sent, data_bytes_received, data_bytes_sent, total_bytes_received, total_bytes_sent, peak_proxy, control_frame_sent, continuation_frame_sent, data_frame_sent, headers_frame_sent, priority_frame_sent, settings_ack_rcvd, empty_settings_rcvd, alloc_fail_total, err_rcvd_total, err_sent_total, err_sent_proto_err, err_sent_internal_err, err_sent_flow_control, err_sent_setting_timeout, err_sent_stream_closed, err_sent_frame_size_err, err_sent_refused_stream, err_sent_cancel, err_sent_compression_err, err_sent_connect_err, err_sent_your_calm, err_sent_inadequate_security, err_sent_http11_required, http2_rejected

aflex-log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reset-unknown-conn

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'request': SMTP requests; 'request_success': SMTP requests (success); 'no_proxy': No proxy error; 'client_reset': Client reset; 'server_reset': Server reset; 'no_tuple': No tuple error; 'parse_req_fail': Parse request failure; 'server_select_fail': Server selection failure; 'forward_req_fail': Forward request failure; 'forward_req_data_fail': Forward REQ data failure; 'req_retran': Request retransmit; 'req_ofo': Request pkt out-of-order; 'server_reselect': Server reselection; 'server_prem_close': Server premature close; 'new_server_conn': Server connection made; 'snat_fail': Source NAT failure; 'tcp_out_reset': TCP out reset; 'recv_client_command_EHLO': Recv client EHLO; 'recv_client_command_HELO': Recv client HELO; 'recv_client_command_MAIL': Recv client MAIL; 'recv_client_command_RCPT': Recv client RCPT; 'recv_client_command_DATA': Recv client DATA; 'recv_client_command_RSET': Recv client RSET; 'recv_client_command_VRFY': Recv client VRFY; 'recv_client_command_EXPN': Recv client EXPN; 'recv_client_command_HELP': Recv client HELP; 'recv_client_command_NOOP': Recv client NOOP; 'recv_client_command_QUIT': Recv client QUIT; 'recv_client_command_STARTTLS': Recv client STARTTLS; 'recv_client_command_others': Recv client other cmds; 'recv_server_service_not_ready': Recv server serv-not-rdy; 'recv_server_unknow_reply_code': Recv server unknown-code; 'send_client_service_ready': Sent client serv-rdy; 'send_client_service_not_ready': Sent client serv-not-rdy; 'send_client_close_connection': Sent client close-conn; 'send_client_go_ahead': Sent client go-ahead; 'send_client_start_TLS_first': Sent client STARTTLS-1st; 'send_client_TLS_not_available': Sent client TLS-not-aval; 'send_client_no_command': Sent client no-such-cmd; 'send_server_cmd_reset': Sent server RSET; 'TLS_established': SSL session established; 'L4_switch': L4 switching; 'Aflex_switch': aFleX switching; 'Aflex_switch_ok': aFleX switching (succ); 'client_domain_switch': Client domain switching; 'client_domain_switch_ok': Client domain sw (succ); 'LB_switch': LB switching; 'LB_switch_ok': LB switching (succ); 'read_request_line_fail': Read request line fail; 'get_all_headers_fail': Get all headers fail; 'too_many_headers': Too many headers; 'line_too_long': Line too long; 'line_across_packet': Line across packets; 'line_extend': Line extend; 'line_extend_fail': Line extend fail; 'line_table_extend': Table extend; 'line_table_extend_fail': Table extend fail; 'parse_request_line_fail': Parse request line fail; 'insert_resonse_line_fail': Ins response line fail; 'remove_resonse_line_fail': Del response line fail; 'parse_resonse_line_fail': Parse response line fail; 'Aflex_lb_reselect': aFleX lb reselect; 'Aflex_lb_reselect_ok': aFleX lb reselect (succ); 'server_STARTTLS_init': Init server side STARTTLS; 'server_STARTTLS_fail': Server side STARTTLS fail; 'rserver_STARTTLS_disable': real server not support STARTTLS;

Type: string

Supported Values: all, curr_proxy, total_proxy, request, request_success, no_proxy, client_reset, server_reset, no_tuple, parse_req_fail, server_select_fail, forward_req_fail, forward_req_data_fail, req_retran, req_ofo, server_reselect, server_prem_close, new_server_conn, snat_fail, tcp_out_reset, Aflex_switch, Aflex_switch_ok, recv_client_command_EHLO, recv_client_command_HELO, recv_client_command_MAIL, recv_client_command_RCPT, recv_client_command_DATA,

recv_client_command_RSET, recv_client_command_VRFY, recv_client_command_EXPN, recv_client_command_HELP, recv_client_command_NOOP, recv_client_command_QUIT, recv_client_command_STARTTLS, recv_client_command_others, send_client_service_ready, send_client_service_not_ready, send_client_close_connection, send_client_go_ahead, send_client_start_TLS_first, send_client_TLS_not_available, send_client_no_command, send_server_cmd_reset, TLS_established, L4_switch, recv_server_service_not_ready, recv_server_unknow_reply_code, client_domain_switch, client_domain_switch_ok, LB_switch, LB_switch_ok, read_request_line_fail, get_all_headers_fail, too_many_headers, line_too_long, line_across_packet, line_extend, line_extend_fail, line_table_extend, line_table_extend_fail, parse_request_line_fail, insert_resonse_line_fail, remove_resonse_line_fail, parse_resonse_line_fail, Aflex_lb_reselect, Aflex_lb_reselect_ok, server_STARTTLS_init, server_STARTTLS_fail, rserver_STARTTLS_disable, recv_client_command_TURN, recv_client_command_ETRN, send_server_ehlo, fail_to_save_client_ehlo, aflex_mail_fail, drop_server_ehlo_ok, client_ehlo_saved

sip

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_proxy_current': Number of current sip proxy connections; 'msg_proxy_total': Total number of sip proxy connections; 'msg_proxy_mem_allocd': msg_proxy_mem_allocd; 'msg_proxy_mem_cached': msg_proxy_mem_cached; 'msg_proxy_mem_freed': msg_proxy_mem_freed; 'msg_proxy_client_recv': Number of SIP messages received from client; 'msg_proxy_client_send_success': Number of SIP messages received from client and forwarded to server; 'msg_proxy_client_incomplete': Number of packet which contains incomplete message; 'msg_proxy_client_drop': Number of AX drop; 'msg_proxy_client_connection': Connecting server; 'msg_proxy_client_fail': Number of SIP messages received from client but failed to forward to server; 'msg_proxy_client_fail_parse': msg_proxy_client_fail_parse; 'msg_proxy_client_fail_process':

msg_proxy_client_fail_process; 'msg_proxy_client_fail_snat': msg_proxy_client_fail_snat; 'msg_proxy_client_exceed_tmp_buff': msg_proxy_client_exceed_tmp_buff; 'msg_proxy_client_fail_send_pkt': msg_proxy_client_fail_send_pkt; 'msg_proxy_client_fail_start_server_Conn': msg_proxy_client_fail_start_server_Conn; 'msg_proxy_server_recv': Number of SIP messages received from server; 'msg_proxy_server_send_success': Number of SIP messages received from server and forwarded to client; 'msg_proxy_server_incomplete': Number of packet which contains incomplete message; 'msg_proxy_server_drop': Number of AX drop; 'msg_proxy_server_fail': Number of SIP messages received from server but failed to forward to client; 'msg_proxy_server_fail_parse': msg_proxy_server_fail_parse; 'msg_proxy_server_fail_process': msg_proxy_server_fail_process; 'msg_proxy_server_fail_selec_connt': msg_proxy_server_fail_selec_connt; 'msg_proxy_server_fail_snat': msg_proxy_server_fail_snat; 'msg_proxy_server_exceed_tmp_buff': msg_proxy_server_exceed_tmp_buff; 'msg_proxy_server_fail_send_pkt': msg_proxy_server_fail_send_pkt; 'msg_proxy_create_server_conn': Number of server connection system tries to create; 'msg_proxy_start_server_conn': Number of server connection created successfully; 'msg_proxy_fail_start_server_conn': Number of server connection create failed; 'msg_proxy_server_conn_fail_snat': msg_proxy_server_conn_fail_snat; 'msg_proxy_fail_construct_server_conn': msg_proxy_fail_construct_server_conn; 'msg_proxy_fail_reserve_pconn': msg_proxy_fail_reserve_pconn; 'msg_proxy_start_server_conn_failed': msg_proxy_start_server_conn_failed; 'msg_proxy_server_conn_already_exists': msg_proxy_server_conn_already_exists; 'msg_proxy_fail_insert_server_conn': msg_proxy_fail_insert_server_conn; 'msg_proxy_parse_msg_fail': msg_proxy_parse_msg_fail; 'msg_proxy_process_msg_fail': msg_proxy_process_msg_fail; 'msg_proxy_no_vport': msg_proxy_no_vport; 'msg_proxy_fail_select_server': msg_proxy_fail_select_server; 'msg_proxy_fail_alloc_mem': msg_proxy_fail_alloc_mem; 'msg_proxy_unexpected_err': msg_proxy_unexpected_err; 'msg_proxy_l7_cpu_failed': msg_proxy_l7_cpu_failed; 'msg_proxy_l4_to_l7': msg_proxy_l4_to_l7; 'msg_proxy_l4_from_l7': msg_proxy_l4_from_l7; 'msg_proxy_to_l4_send_pkt': msg_proxy_to_l4_send_pkt; 'msg_proxy_l4_from_l4_send': msg_proxy_l4_from_l4_send; 'msg_proxy_l7_to_L4': msg_proxy_l7_to_L4; 'msg_proxy_mag_back': msg_proxy_mag_back; 'msg_proxy_fail_dcmsg': msg_proxy_fail_dcmsg; 'msg_proxy_deprecated_conn': msg_proxy_deprecated_conn; 'msg_proxy_hold_msg': msg_proxy_hold_msg; 'msg_proxy_split_pkt': msg_proxy_split_pkt; 'msg_proxy_pipline_msg': msg_proxy_pipline_msg; 'msg_proxy_client_reset': msg_proxy_client_reset; 'msg_proxy_server_reset': msg_proxy_server_reset; 'session_created': SIP Session created; 'session_freed': SIP Session freed; 'session_in_rml': session_in_rml; 'session_invalid': session_invalid; 'conn_allocd': conn_allocd; 'conn_freed': conn_freed; 'session_callid_allocd': session_callid_allocd; 'session_callid_freed': session_callid_freed; 'line_mem_allocd': line_mem_allocd; 'line_mem_freed': line_mem_freed; 'table_mem_allocd': table_mem_allocd; 'table_mem_freed': table_mem_freed; 'cmsg_no_uri_header': cmsg_no_uri_header; 'cmsg_no_uri_session': cmsg_no_uri_session; 'sg_no_uri_header': sg_no_uri_header; 'smsg_no_uri_session': smsg_no_uri_session; 'line_too_long': line_too_long; 'fail_read_start_line': fail_read_start_line; 'fail_parse_start_line': fail_parse_start_line; 'invalid_start_line': invalid_start_line; 'request_unknow_version': request_unknow_version; 'response_unknow_version': response_unknow_version; 'request_unknow': request_unknow; 'fail_parse_headers': fail_parse_headers; 'too_many_headers': too_many_headers; 'invalid_header': invalid_header; 'header_name_too_long': header_name_too_long; 'body_too_big': body_too_big; 'fail_get_counter': fail_get_counter; 'msg_no_call_id': msg_no_call_id; 'identify_dir_failed': identify_dir_failed; 'no_sip_request': no_sip_request; 'deprecated_msg': deprecated_msg; 'fail_insert_callid_session': fail_insert_callid_session;

'fail_insert_uri_session': fail_insert_uri_session; 'fail_insert_header': fail_insert_header; 'select_server_conn': select_server_conn; 'select_server_conn_by_callid': select_server_conn_by_callid; 'select_server_conn_by_uri': select_server_conn_by_uri; 'select_server_conn_by_rev_tuple': select_server_conn_by_rev_tuple; 'select_server_conn_failed': select_server_conn_failed; 'select_client_conn': select_client_conn; 'X_forward_for_select_client': X_forward_for_select_client; 'call_id_select_client': call_id_select_client; 'uri_select_client': uri_select_client; 'client_select_failed': client_select_failed; 'acl_denied': acl_denied; 'assemble_frag_failed': assemble_frag_failed; 'wrong_ip_version': wrong_ip_version; 'size_too_large': size_too_large; 'fail_split_fragment': fail_split_fragment; 'client_keepalive_received': client_keepalive_received; 'server_keepalive_received': server_keepalive_received; 'client_keepalive_send': client_keepalive_send; 'server_keepalive_send': server_keepalive_send; 'ax_health_check_received': ax_health_check_received; 'client_request': client_request; 'client_request_ok': client_request_ok; 'concatenate_msg': concatenate_msg; 'save_uri': save_uri; 'save_uri_ok': save_uri_ok; 'save_call_id': save_call_id; 'save_call_id_ok': save_call_id_ok; 'msg_translation': msg_translation; 'msg_translation_fail': msg_translation_fail; 'msg_trans_start_line': msg_trans_start_line; 'msg_trans_start_headers': msg_trans_start_headers; 'msg_trans_body': msg_trans_body; 'request_register': request_register; 'request_invite': request_invite; 'request_ack': request_ack; 'request_cancel': request_cancel; 'request_bye': request_bye; 'request_options': request_options; 'request_prack': request_prack; 'request_subscribe': request_subscribe; 'request_notify': request_notify; 'request_publish': request_publish; 'request_info': request_info; 'request_refer': request_refer; 'request_message': request_message; 'request_update': request_update; 'response_unknow': response_unknow; 'response_1XX': response_1XX; 'response_2XX': response_2XX; 'response_3XX': response_3XX; 'response_4XX': response_4XX; 'response_5XX': response_5XX; 'response_6XX': response_6XX; 'ha_send_sip_session': ha_send_sip_session; 'ha_send_sip_session_ok': ha_send_sip_session_ok; 'ha_fail_get_msg_header': ha_fail_get_msg_header; 'ha_recv_sip_session': ha_recv_sip_session; 'ha_insert_sip_session_ok': ha_insert_sip_session_ok; 'ha_update_sip_session_ok': ha_update_sip_session_ok; 'ha_invalid_pkt': ha_invalid_pkt; 'ha_fail_alloc_sip_session': ha_fail_alloc_sip_session; 'ha_fail_alloc_call_id': ha_fail_alloc_call_id; 'ha_fail_clone_sip_session': ha_fail_clone_sip_session; 'save_smp_call_id_rtp': save_smp_call_id_rtp; 'update_smp_call_id_rtp': update_smp_call_id_rtp; 'smp_call_id_rtp_session_match': smp_call_id_rtp_session_match; 'smp_call_id_rtp_session_not_match': smp_call_id_rtp_session_not_match; 'process-error-when-message-switch': process-error-when-message-switch;

Type: string

Supported Values: all, msg_proxy_current, msg_proxy_total, msg_proxy_mem_allocd, msg_proxy_mem_cached, msg_proxy_mem_freed, msg_proxy_client_recv, msg_proxy_client_send_success, msg_proxy_client_incomplete, msg_proxy_client_drop, msg_proxy_client_connection, msg_proxy_client_fail, msg_proxy_client_fail_parse, msg_proxy_client_fail_process, msg_proxy_client_fail_snat, msg_proxy_client_exceed_tmp_buff, msg_proxy_client_fail_send_pkt, msg_proxy_client_fail_start_server_Conn, msg_proxy_server_recv, msg_proxy_server_send_success, msg_proxy_server_incomplete, msg_proxy_server_drop, msg_proxy_server_fail, msg_proxy_server_fail_parse, msg_proxy_server_fail_process, msg_proxy_server_fail_selec_connt, msg_proxy_server_fail_snat, msg_proxy_server_exceed_tmp_buff, msg_proxy_server_fail_send_pkt, msg_proxy_create_server_conn, msg_proxy_start_server_conn, msg_proxy_fail_start_server_conn, msg_proxy_server_conn_fail_snat, msg_proxy_fail_construct_server_conn, msg_proxy_fail_reserve_pconn, msg_proxy_start_server_conn_failed, msg_proxy_server_conn_already_exists,

msg_proxy_fail_insert_server_conn, msg_proxy_parse_msg_fail, msg_proxy_process_msg_fail, msg_proxy_no_vport, msg_proxy_fail_select_server, msg_proxy_fail_alloc_mem, msg_proxy_unexpected_err, msg_proxy_l7_cpu_failed, msg_proxy_l4_to_l7, msg_proxy_l4_from_l7, msg_proxy_to_l4_send_pkt, msg_proxy_l4_from_l4_send, msg_proxy_l7_to_L4, msg_proxy_mag_back, msg_proxy_fail_dcmsg, msg_proxy_deprecated_conn, msg_proxy_hold_msg, msg_proxy_split_pkt, msg_proxy_pipline_msg, msg_proxy_client_reset, msg_proxy_server_reset, session_created, session_freed, session_in_rml, session_invalid, conn_allocd, conn_freed, session_callid_allocd, session_callid_freed, line_mem_allocd, line_mem_freed, table_mem_allocd, table_mem_freed, cmsg_no_uri_header, cmsg_no_uri_session, sg_no_uri_header, smsg_no_uri_session, line_too_long, fail_read_start_line, fail_parse_start_line, invalid_start_line, request_unknown_version, response_unknown_version, request_unknown, fail_parse_headers, too_many_headers, invalid_header, header_name_too_long, body_too_big, fail_get_counter, msg_no_call_id, identify_dir_failed, no_sip_request, deprecated_msg, fail_insert_callid_session, fail_insert_uri_session, fail_insert_header, select_server_conn, select_server_conn_by_callid, select_server_conn_by_uri, select_server_conn_by_rev_tuple, select_server_conn_failed, select_client_conn, X_forward_for_select_client, call_id_select_client, uri_select_client, client_select_failed, acl_denied, assemble_frag_failed, wrong_ip_version, size_too_large, fail_split_fragment, client_keepalive_received, server_keepalive_received, client_keepalive_send, server_keepalive_send, ax_health_check_received, client_request, client_request_ok, concatenate_msg, save_uri, save_uri_ok, save_call_id, save_call_id_ok, msg_translation, msg_translation_fail, msg_trans_start_line, msg_trans_start_headers, msg_trans_body, request_register, request_invite, request_ack, request_cancel, request_bye, request_options, request_prack, request_subscribe, request_notify, request_publish, request_info, request_refer, request_message, request_update, response_unknown, response_1XX, response_2XX, response_3XX, response_4XX, response_5XX, response_6XX, ha_send_sip_session, ha_send_sip_session_ok, ha_fail_get_msg_header, ha_recv_sip_session, ha_insert_sip_session_ok, ha_update_sip_session_ok, ha_invalid_pkt, ha_fail_alloc_sip_session, ha_fail_alloc_call_id, ha_fail_clone_sip_session, save_smp_call_id_rtp, update_smp_call_id_rtp, smp_call_id_rtp_session_match, smp_call_id_rtp_session_not_match, process_error_when_message_switch

ssl-acme-cert-log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-forward-proxy-cert

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l7session

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l7session_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'start_server_conn_succ': Start Server Conn Success; 'conn_not_exist': Conn does not exist; 'data_event': Data event from TCP; 'client_fin': FIN from client; 'server_fin': FIN from server; 'wbuf_event': Wbuf event from TCP; 'wbuf_cb_failed': Wbuf event callback failed; 'err_event': Err event from TCP; 'err_cb_failed': Err event callback failed; 'server_conn_failed': Server connection failed; 'client_rst': RST from client; 'server_rst': RST from server; 'client_rst_req': RST from client - request; 'client_rst_connecting': RST from client - connecting; 'client_rst_connected': RST from client - connected; 'client_rst_rsp': RST from client - response; 'server_rst_req': RST from server - request; 'server_rst_connecting': RST from server - connecting; 'server_rst_connected': RST from server - connected; 'server_rst_rsp': RST from server - response; 'proxy_v1_connection': counter for Proxy v1 connection; 'proxy_v2_connection': counter for Proxy v2 connection; 'curr_proxy': Curr proxy conn; 'curr_proxy_client':

Curr proxy conn - client; 'curr_proxy_server': Curr proxy conn - server; 'curr_proxy_es': Curr proxy conn - ES; 'total_proxy': Total proxy conn; 'total_proxy_client': Total proxy conn - client; 'total_proxy_server': Total proxy conn - server; 'total_proxy_es': Total proxy conn - ES; 'server_select_fail': Server selection fail; 'est_event': Est event from TCP; 'est_cb_failed': Est event callback fail; 'data_cb_failed': Data event callback fail; 'hps_fwdreq_fail': Fwd req fail; 'hps_fwdreq_fail_buff': Fwd req fail - buff; 'hps_fwdreq_fail_rport': Fwd req fail - rport; 'hps_fwdreq_fail_route': Fwd req fail - route; 'hps_fwdreq_fail_persist': Fwd req fail - persist; 'hps_fwdreq_fail_server': Fwd req fail - server; 'hps_fwdreq_fail_tuple': Fwd req fail - tuple;

Type: string

Supported Values: all, start_server_conn_succ, conn_not_exist, data_event, client_fin, server_fin, wbuf_event, wbuf_cb_failed, err_event, err_cb_failed, server_conn_failed, client_rst, server_rst, client_rst_req, client_rst_connecting, client_rst_connected, client_rst_rsp, server_rst_req, server_rst_connecting, server_rst_connected, server_rst_rsp, proxy_v1_connection, proxy_v2_connection, curr_proxy, curr_proxy_client, curr_proxy_server, curr_proxy_es, total_proxy, total_proxy_client, total_proxy_server, total_proxy_es, server_select_fail, est_event, est_cb_failed, data_cb_failed, hps_fwdreq_fail, hps_fwdreq_fail_buff, hps_fwdreq_fail_rport, hps_fwdreq_fail_route, hps_fwdreq_fail_persist, hps_fwdreq_fail_server, hps_fwdreq_fail_tuple

stat

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stat_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'riot_gaming_pass': Riot Gaming passed; 'riot_gaming_drop': Riot Gaming dropped;

Type: string

Supported Values: all, riot_gaming_pass, riot_gaming_drop

dns-cache

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-cache_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_q': Total query; 'total_r': Total server response; 'hit': Total cache hit; 'bad_q': Query not passed; 'encode_q': Query encoded; 'multiple_q': Query with multiple questions; 'oversize_q': Query exceed cache size; 'bad_r': Response not passed; 'oversize_r': Response exceed cache size; 'encode_r': Response encoded; 'multiple_r': Response with multiple questions; 'answer_r': Response with multiple answers; 'ttl_r': Response with short TTL; 'ageout': Total aged out; 'bad_answer': Bad Answer; 'ageout_weight': Total aged for lower weight; 'total_log': Total stats log sent; 'total_alloc': Total allocated; 'total_freed': Total freed; 'current_allocate': Current allocate; 'current_data_allocate': Current data allocate;

Type: string

Supported Values: all, total_q, total_r, hit, bad_q, encode_q, multiple_q, oversize_q, bad_r, oversize_r, encode_r, multiple_r, answer_r, ttl_r, ageout, bad_answer, ageout_weight, total_log, total_alloc, total_freed, current_allocate, current_data_allocate, resolver_queue_full

ipv6-class-list-list

Specification	
Type	*list*
Block object keys	

ipv6-list

Type: List

name

Description Specify name of the class list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: test

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-class-list-list_ipv6-list

Specification	
Type	*list*
Block object keys	

action

Description 'add': Add the entry; 'delete': Delete the entry;

Type: string

Supported Values: add, delete

glid

Description Use global Limit ID (Specify global LID index)

Type: number

Range: 1-1023

Mutual Exclusion: glidlid, lsn-lid and lsn-radius-profile are mutually exclusive

ipv6-addr

Description Specify IPv6 host or subnet

Type: string

Format: ipv6-address-plen

lid

Description Use Limit ID defined in template (Specify LID index)

Type: number

Range: 1-1023

Mutual Exclusion: lidglid, lsn-lid and lsn-radius-profile are mutually exclusive

lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

Mutual Exclusion: lsn-lidlid, glid and lsn-radius-profile are mutually exclusive

lsn-radius-profile

Description LSN RADIUS Profile Index

Type: number

Range: 1-16

Mutual Exclusion: lsn-radius-profilelid, glid and lsn-lid are mutually exclusive

ssl-crl

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-dns-cache

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssl-counters

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hw-compress

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hw-compress_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request_count': Total request count; 'submit_count': Total submit count; 'response_count': Total response count; 'failure_count': Total failure count; 'failure_code': Last failure code; 'ring_full_count': Compression queue full; 'max_outstanding_request_count': Max queued request count; 'max_outstanding_submit_count': Max queued submit count;

Type: string

Supported Values: all, request_count, submit_count, response_count, failure_count, failure_code, ring_full_count, max_outstanding_request_count, max_outstanding_submit_count

transparent-acl-template

Specification	
Type	*object*

name

Description Specify template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/tcp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

player-id-global

Specification	
Type	*object*

abs-max-expiration

Description Absolute max record expiration value (default 10 minutes) (Absolute max record expiration time in minutes, default 10)

Type: number

Range: 1-32767

Default: 10

enable-64bit-player-id

Description Enable 64 bit player id check. Default is 32 bit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforcement-timer

Description Time to playerid enforcement after bootup (default 480 seconds) (Time to playerid enforcement in seconds, default 480)

Type: number

Range: 1-32767

Default: 480

force-passive

Description Forces the device to be in passive mode (Only stats and no packet drops)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

min-expiration

Description Minimum record expiration value (default 1 min) (Min record expiration time in minutes, default 1)

Type: number

Range: 1-32767

Default: 1

pkt-activity-expiration

Description Packet activity record expiration value (default 5 minutes) (Packet activity record expiration time in minutes, default 5)

Type: number

Range: 1-32767

Default: 5

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

player-id-global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_playerids_created': Playerid records created; 'total_playerids_deleted': Playerid records deleted; 'total_abs_max_age_outs': Playerid records max time aged out; 'total_pkt_activity_age_outs': Playerid records idle timeout; 'total_invalid_playerid_pkts': Invalid playerid packets; 'total_invalid_playerid_drops': Invalid playerid packet drops; 'total_valid_playerid_pkts': Valid playerid packets;

Type: string

Supported Values: all, total_playerids_created, total_playerids_deleted, total_abs_max_age_outs, total_pkt_activity_age_outs, total_invalid_playerid_pkts, total_invalid_playerid_drops, total_valid_playerid_pkts

service-group-list

Specification	
Type	*list*
Block object keys	

backup-server-event-log

Description Send log info on back up server events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate

Description Dynamically enable stateless method by conn-rate (Rate to trigger stateless method(conn/sec))

Type: number

Range: 1-1000000

Mutual Exclusion: conn-rate and l4-session-usage are mutually exclusive

conn-rate-duration

Description Period that trigger condition consistently happens(seconds)

Type: number

Range: 1-600

conn-rate-grace-period

Description Define the grace period during transition (Define the grace period during transition(seconds))

Type: number

Range: 1-600

conn-rate-log

Description Send log if transition happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-revert-duration

Description Period that revert condition consistently happens(seconds)

Type: number

Range: 1-600

conn-revert-rate

Description Rate to revert to statelful method (conn/sec)

Type: number

Range: 1-1000000

extended-stats

Description Enable extended statistics on service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check shared-partition-svcgrp-health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disablehealth-check, shared-partition-svcgrp-health-check and svcgrp-health-check-shared are mutually exclusive

l4-session-revert-duration

Description Period that revert condition consistently happens(seconds)

Type: number

Range: 1-600

l4-session-usage

Description Dynamically enable stateless method by session usage (Usage to trigger stateless method)

Type: number

Range: 1-100

Mutual Exclusion: l4-session-usage and conn-rate are mutually exclusive

l4-session-usage-duration

Description Period that trigger condition consistently happens(seconds)

Type: number

Range: 1-600

l4-session-usage-grace-period

Description Define the grace period during transition (Define the grace period during transition(seconds))

Type: number

Range: 1-600

l4-session-usage-log

Description Send log if transition happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4-session-usage-revert-rate

Description Usage to revert to statelful method

Type: number

Range: 1-100

lb-method

Description 'dst-ip-hash': Load-balancing based on only Dst IP and Port hash; 'dst-ip-only-hash': Load-balancing based on only Dst IP hash; 'fastest-response': Fastest response time on service port level; 'least-request': Least request on service port level; 'src-ip-hash': Load-balancing based on only Src IP and Port hash; 'src-ip-only-hash': Load-balancing based on only Src IP hash; 'weighted-rr': Weighted round robin on server level; 'round-robin': Round robin on server level; 'round-robin-strict': Strict mode round robin on server level;

Type: string

Supported Values: dst-ip-hash, dst-ip-only-hash, fastest-response, least-request, src-ip-hash, src-ip-only-hash, weighted-rr, service-weighted-rr, round-robin, round-robin-strict, odd-even-hash

Default: round-robin

Mutual Exclusion: lb-methodlc-method, stateless-lb-method, llb-method and lclb-method are mutually exclusive

lc-method

Description 'least-connection': Least connection on server level; 'service-least-connection': Least connection on service port level; 'weighted-least-connection': Weighted least connection on server level; 'service-weighted-least-connection': Weighted least connection on service port level;

Type: string

Supported Values: least-connection, service-least-connection, weighted-least-connection, service-weighted-least-connection

Mutual Exclusion: lc-methodlb-method, stateless-lb-method, llb-method and lclb-method are mutually exclusive

lclb-method

Description 'link-cost-load-balance': Link cost load balance;

Type: string

Supported Values: link-cost-load-balance

Mutual Exclusion: lclb-methodlb-method, lc-method, stateless-lb-method and llb-method are mutually exclusive

link-probe-template

Description Link Probe template (Link Probe template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/link-probe*

llb-method

Description 'fastest-link-only': Fastest server selection w/ Link probe template on service port level;

Type: string

Supported Values: next-hop-link

Mutual Exclusion: llb-methodlb-method, lc-method, stateless-lb-method and lclb-method are mutually exclusive

member-list

Type: List

Refernce Object: */axapi/v3/slb/service-group/{name}/member/{name}+{port}*

min-active-member

Description Minimum Active Member Per Priority (Minimum Active Member before Action)

Type: number

Range: 1-1024

min-active-member-action

Description 'dynamic-priority': dynamic change member priority to met the min-active-member requirement; 'skip-pri-set': Skip Current Priority Set If Min not met;

Type: string

Supported Values: dynamic-priority, skip-pri-set

name

Description SLB Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

persist-scoring

Description 'global': Use Global Configuration; 'enable': Enable persist-scoring; 'disable': Disable persist-scoring;

Type: string

Supported Values: global, enable, disable

Default: global

priorities

Type: List

priority-affinity

Description Priority affinity. Persist to the same priority if possible.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

pseudo-round-robin

Description PRR, select the oldest node for sub-select

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

report-delay

Description Reporting frequency (in minutes)

Type: number

Range: 1-7200

reset

Description: reset is a **JSON Block**. Please see below for *service-group-list_reset*

Type: Object

Refernce Object: */axapi/v3/slb/service-group/{name}/reset*

reset-on-server-selection-fail

Description Send reset to client if server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-priority-affinity

Description Reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpt-ext-server

Description Report top 10 fastest/slowest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sample-rsp-time

Description sample server response time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-svcgrp-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-svcgrp-health-check health-check and health-check-disable are mutually exclusive

stateless-auto-switch

Description Enable auto stateless method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateless-lb-method

Description 'stateless-dst-ip-hash': Stateless load-balancing based on Dst IP and Dst port hash; 'stateless-per-pkt-round-robin': Stateless load-balancing using per-packet round-robin; 'stateless-src-dst-ip-hash': Stateless load-balancing based on IP and port hash for both Src and Dst; 'stateless-src-dst-ip-only-hash': Stateless load-balancing based on only IP hash for both Src and Dst; 'stateless-src-ip-hash': Stateless load-balancing based on Src IP and Src port hash; 'stateless-src-ip-only-hash': Stateless load-balancing based on only Src IP hash;

Type: string

Supported Values: stateless-dst-ip-hash, stateless-per-pkt-round-robin, stateless-src-dst-ip-hash, stateless-src-dst-ip-only-hash, stateless-src-ip-hash, stateless-src-ip-only-hash, stateless-per-pkt-weighted-rr, stateless-per-pkt-service-weighted-rr

Mutual Exclusion: stateless-lb-methodlb-method, lc-method, llb-method and lclb-method are mutually exclusive

stateless-lb-method2

Description 'stateless-dst-ip-hash': Stateless load-balancing based on Dst IP and Dst port hash; 'stateless-per-pkt-round-robin': Stateless load-balancing using per-packet round-robin; 'stateless-src-dst-ip-hash': Stateless load-balancing based on IP and port hash for both Src and Dst; 'stateless-src-dst-ip-only-hash': Stateless load-balancing based on only IP hash for both Src and Dst; 'stateless-src-ip-hash': Stateless load-balancing based on Src IP and Src port hash; 'stateless-src-ip-only-hash': Stateless load-balancing based on only Src IP hash;

Type: string

Supported Values: stateless-dst-ip-hash, stateless-per-pkt-round-robin, stateless-src-dst-ip-hash, stateless-src-dst-ip-only-hash, stateless-src-ip-hash, stateless-src-ip-only-hash, stateless-per-pkt-weighted-rr, stateless-per-pkt-service-weighted-rr

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for service group; 'stats-data-disable': Disable statistical data collection for service group;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

strict-select

Description strict selection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svcgrp-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: svcgrp-health-check-shared and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

template-policy

Description Policy template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/port*

template-server

Description Server template (Server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server*

top-fastest

Description Report top 10 fastest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

top-slowest

Description Report top 10 slowest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-replication-mirror

Description Mirror Bi-directional Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirrortraffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl, traffic-replication-mirror-sa-da-repl and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-da-repl

Description Replace Destination MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-da-repltraffic-replication-mirror, traffic-replication-mirror-ip-repl, traffic-replication-mirror-sa-da-repl and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-ip-repltraffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-sa-da-repl and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-sa-da-repl

Description Replace Source MAC and Destination MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-sa-da-repltraffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-sa-repl

Description Replace Source MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-sa-repltraffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl and traffic-replication-mirror-sa-da-repl are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_member-list

Specification	
Type	*list*
Block object keys	

fqdn-name

Description Server hostname - Not applicable if real server is already defined

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

host

Description IP Address - Not applicable if real server is already defined

Type: string

Format: ipv4-address

member-priority

Description Priority of Port in the Group (Priority of Port in the Group, default is 1)

Type: number

Range: 1-16

Default: 1

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port; 'disable-with-health-check': disable member service port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

member-stats-data-disable

Description Disable statistical data collection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

member-template

Description Real server port template (Real server port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/port*

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Refernce Object: */axapi/v3/slb/server/port*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 Address - Not applicable if real server is already defined

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': peak_conn; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

service-group-list_reset

Specification	
Type	*object*

auto-switch

Description Reset auto stateless state

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-list_priorities

Specification	
Type	*list*
Block object keys	

priority

Description Priority option. Define different action for each priority node. (Priority in the Group)

Type: number

Range: 1-16

priority-action

Description 'drop': Drop request when all priority nodes fail; 'drop-if-exceed-limit': Drop request when connection over limit; 'proceed': Proceed to next priority when all priority nodes fail(default); 'reset': Send client reset when all priority nodes fail; 'reset-if-exceed-limit': Send client reset when connection over limit;

Type: string

Supported Values: drop, drop-if-exceed-limit, proceed, reset, reset-if-exceed-limit

Default: proceed

service-group-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Service selection fail drop; 'server_selection_fail_reset': Service selection fail reset; 'service_peak_conn': Service peak connection;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn, service_healthy_host, service_unhealthy_host, service_req_count, service_resp_count, service_resp_2xx, service_resp_3xx, service_resp_4xx, service_resp_5xx, service_curr_conn_overflow

ssl-error

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icap_http

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icap_http_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'status_200': Status code 200; 'status_201': Status code 201; 'status_202': Status code 202; 'status_203': Status code 203; 'status_204': Status code 204; 'status_205': Status code 205; 'status_206': Status code 206; 'status_207': Status code 207; 'status_100': Status code 100; 'status_101': Status code 101; 'status_102': Status code 102; 'status_300': Status code 300; 'status_301': Status code 301; 'status_302': Status code 302; 'status_303': Status code 303; 'status_304': Status code 304; 'status_305': Status code 305; 'status_306': Status code 306; 'status_307': Status code 307; 'status_400': Status code 400; 'status_401': Status code 401; 'status_402': Status code 402; 'status_403': Status code 403; 'status_404': Status code 404; 'status_405': Status code 405; 'status_406': Status code 406; 'status_407': Status code 407; 'status_408': Status code 408; 'status_409': Status code 409; 'status_410': Status code 410; 'status_411': Status code 411; 'status_412': Status code 412; 'status_413': Status code 413; 'status_414': Status code 414; 'status_415': Status code 415; 'status_416': Status code 416; 'status_417': Status code 417; 'status_418': Status code 418; 'status_422': Status code 422; 'status_423': Status code 423; 'status_424': Status code 424; 'status_425': Status code 425; 'status_426': Status code 426; 'status_449': Status code 449; 'status_450': Status code 450; 'status_500': Status code 500; 'status_501': Status code 501; 'status_502': Status code 502; 'status_503': Status code 503; 'status_504': Status code 504; 'status_505': Status code 505; 'status_506': Status code 506; 'status_507': Status code 507; 'status_508': Status code 508; 'status_509': Status code 509; 'status_510': Status code 510; 'status_1xx': status code 1XX; 'status_2xx': status code 2XX; 'status_3xx': status code 3XX; 'status_4xx': status code 4XX; 'status_5xx': status code 5XX; 'status_6xx': status code 6XX; 'status_unknown': Status code unknown;

Type: string

Supported Values: all, status_200, status_201, status_202, status_203, status_204, status_205, status_206, status_207, status_100, status_101, status_102, status_300, status_301, status_302, status_303, status_304, status_305, status_306, status_307, status_400, status_401, status_402, status_403, status_404, status_405, status_406, status_407, status_408, status_409, status_410, status_411, status_412, status_413, status_414, status_415, status_416, status_417, status_418, status_422, status_423, status_424, status_425, status_426, status_449, status_450, status_500, status_501, status_502, status_503, status_504, status_505, status_506, status_507, status_508, status_509, status_510, status_1xx, status_2xx, status_3xx, status_4xx, status_5xx, status_6xx, status_unknown

server-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server; 'disable-with-health-check': disable real server, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-server

Type: List

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume (Connection Resume (min active conn before resume taking new conn))

Type: number

Range: 1-1000000

ethernet

Description ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description External IP address for NAT of GSLB

Type: string

Format: ipv4-address

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fqdn-name server-ipv6-addr and host are mutually exclusive

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check shared-partition-health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disablehealth-check, shared-partition-health-check and health-check-shared are mutually exclusive

health-check-shared

Description Health Check Monitor (Health monitor name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check-shared and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

host

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: host server-ipv6-addr and fqdn-name are mutually exclusive

ipv6

Description IPv6 address Mapping of GSLB

Type: string

Format: ipv6-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-list

Type: List

Refernce Object: */axapi/v3/slb/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: server-ipv6-addr host and fqdn-name are mutually exclusive

shared-partition-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-health-check health-check and health-check-disable are mutually exclusive

shared-partition-server-template

Description Reference a server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-template and template-server are mutually exclusive

slow-start

Description Slowly ramp up the connection number after server is up (start from 128, then double every 10 sec till 4096)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description This server is a spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

template-link-cost

Description Link-Cost template (Link-Cost template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/link-cost*

template-server

Description Server template (Server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-server and shared-partition-server-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/server*

template-server-shared

Description Server Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server*

trunk

Description trunk interface

Type: number

Range: 1-4096

Refernce Object: */axapi/v3/interface/trunk*

use-aam-server

Description Using aam server. For health check, please configure it in aam server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for this Real Server (Connection Weight)

Type: number

Range: 1-1000

Default: 1

server-list_port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-port

Type: List

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *server-list_port-list_auth-cfg*

Type: Object

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume

Type: number

Range: 1-1000000

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-checkshared-rport-health-check, health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disablehealth-check, shared-rport-health-check, rport-health-check-shared and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port health-check and health-check-disable are mutually exclusive

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

range

Description Port range (Port range value - used for vip-to-rport-mapping)

Type: number

Range: 0-254

Default: 0

rport-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: rport-health-check-shared and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

sampling-enable

Type: List

shared-partition-port-template

Description Reference a port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-port-template and template-port are mutually exclusive

shared-rport-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-rport-health-check health-check and health-check-disable are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

support-http2

Description Starting HTTP/2 with Prior Knowledge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-port and shared-partition-port-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/port*

template-port-shared

Description Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/port*

template-server-ssl

Description Server side SSL template (Server side SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Port Weight (Connection Weight)

Type: number

Range: 1-1000

Default: 1

server-list_port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

server-list_port-list_alternate-port

Specification	
Type	*list*
Block object keys	

alternate

Description Alternate Server Number

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

alternate-server-port

Description Port (Alternate Server Port Value)

Type: number

Range: 1-65535

server-list_port-list_auth-cfg

Specification	
Type	*object*

service-principal-name

Description Service Principal Name (Kerberos principal name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-list_alternate-server

Specification	
Type	*list*
Block object keys	

alternate

Description Alternate Server (Alternate Server Number)

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-conn': Total connections; 'fwd-pkt': Forward packets; 'rev-pkt': Reverse packets; 'peak-conn': Peak connections; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, total-conn, fwd-pkt, rev-pkt, peak-conn, total_req, total_req_succ, curr_ssl_conn, total_ssl_conn, total_fwd_bytes, total_rev_bytes, total_fwd_pkts, total_rev_pkts, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts

switch

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

switch_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwlb': FWLB; 'licexpire_drop': License Expire Drop; 'bwl_drop': BW Limit Drop; 'rx_kernel': Received kernel; 'rx_arp_req': ARP REQ Rcvd; 'rx_arp_resp': ARP RESP Rcvd; 'vlan_flood': VLAN Flood; 'l2_def_vlan_drop': L2 Default Vlan FWD Drop; 'ipv4_noroute_drop': IPv4 No Route Drop; 'ipv6_noroute_drop': IPv6 No Route Drop; 'prot_down_drop': Prot Down Drop; 'l2_forward': L2 Forward; 'l3_forward_ip': L3 IP Forward; 'l3_forward_ipv6': L3 IPv6 Forward; 'l4_process': L4 Process; 'unknown_prot_drop': Unknown Prot Drop; 'ttl_exceeded_drop': TTL Exceeded Drop; 'linkdown_drop': Link Down Drop; 'sport_drop': SPORT Drop; 'incorrect_len_drop': Incorrect Length Drop; 'ip_defrag': IP Defrag; 'acl_deny': ACL Denys; 'ipfrag_tcp': IP(TCP) Fragment Rcvd; 'ipfrag_overlap': IP Fragment Overlap; 'ipfrag_timeout': IP Fragment Timeout; 'ipfrag_overload': IP Frag Overload Drops; 'ipfrag_reasmoks': IP Fragment Reasm OKs; 'ipfrag_reasmfails': IP Fragment Reasm Fails; 'land_drop': Anomaly Land Attack Drop; 'ipoptions_drop': Anomaly IP OPT Drops; 'badpkt_drop': Bad Pkt Drop; 'pingofdeath_drop': Anomaly PingDeath Drop; 'allfrag_drop': Anomaly All Frag Drop; 'tcpnoflag_drop': Anomaly TCP noFlag Drop; 'tcpsynfrag_drop': Anomaly SYN Frag Drop; 'tcpsynfin_drop': Anomaly TCP SYNFIN Drop; 'ipsec_drop': IPSec Drop; 'bpdu_rcvd': BPDUs Received; 'bpdu_sent': BPDUs Sent; 'ctrl_syn_rate_drop': SYN rate exceeded Drop; 'ip_defrag_invalid_len': IP Invalid Length Frag; 'ipv4_frag_6rd_ok': IPv4 Frag 6RD OK; 'ipv4_frag_6rd_drop': IPv4 Frag 6RD Dropped; 'no_ip_drop': No IP Drop; 'ipv6frag_udp': IPv6 Frag UDP; 'ipv6frag_udp_dropped': IPv6 Frag UDP Dropped; 'ipv6frag_tcp_dropped': IPv6 Frag TCP Dropped; 'ipv6frag_ipip_ok': IPv6 Frag IPIP OKs; 'ipv6frag_ipip_dropped': IPv6 Frag IPIP Drop; 'ip_frag_oversize': IP Fragment oversize; 'ip_frag_too_many': IP Fragment too many; 'ipv4_novlanfwd_drop': IPv4 No L3 VLAN FWD Drop; 'ipv6_novlanfwd_drop': IPv6 No L3 VLAN FWD Drop; 'fpga_error_pkt1': FPGA Error PKT1; 'fpga_error_pkt2': FPGA Error PKT2; 'max_arp_drop': Max ARP Drop; 'ipv6frag_tcp': IPv6 Frag TCP; 'ipv6frag_icmp': IPv6 Frag ICMP; 'ipv6frag_ospf': IPv6 Frag OSPF; 'ipv6frag_esp': IPv6 Frag ESP; 'l4_in_ctrl_cpu': L4 In Ctrl CPU; 'mgmt_svc_drop': Management Service Drop; 'jumbo_frag_drop': Jumbo Frag Drop; 'ipv6_jumbo_frag_drop': IPv6 Jumbo Frag Drop; 'ip-ipv6_jumbo_frag_drop': IPIPv6 Jumbo Frag Drop; 'ipv6_ndisc_dad_solicits': IPv6 DAD on Solicits; 'ipv6_ndisc_dad_adverts': IPv6 DAD on Adverts; 'ipv6_ndisc_mac_changes': IPv6 DAD MAC Changed; 'ipv6_ndisc_out_of_memory': IPv6 DAD Out-of-memory; 'sp_non_ctrl_pkt_drop': Shared IP mode non ctrl packet to linux drop;

Type: string

Supported Values: all, fwlb, licexpire_drop, bwl_drop, rx_kernel, rx_arp_req, rx_arp_resp, vlan_flood, l2_def_vlan_drop, ipv4_noroute_drop, ipv6_noroute_drop,

prot_down_drop, l2_forward, l3_forward_ip, l3_forward_ipv6, l4_process, unknown_prot_drop, ttl_exceeded_drop, linkdown_drop, sport_drop, incorrect_len_drop, ip_defrag, acl_deny, ipfrag_tcp, ipfrag_overlap, ipfrag_timeout, ipfrag_overload, ipfrag_reasmoks, ipfrag_reasmfails, land_drop, ipoptions_drop, badpkt_drop, pingofdeath_drop, allfrag_drop, tcpnoflag_drop, tcpsynfrag_drop, tcpsynfin_drop, ipsec_drop, bpdu_rcvd, bpdu_sent, ctrl_syn_rate_drop, ip_defrag_invalid_len, ipv4_frag_6rd_ok, ipv4_frag_6rd_drop, no_ip_drop, ipv6frag_udp, ipv6frag_udp_dropped, ipv6frag_tcp_dropped, ipv6frag_ipip_ok, ipv6frag_ipip_dropped, ip_frag_oversize, ip_frag_too_many, ipv4_novlanfwd_drop, ipv6_novlanfwd_drop, fpga_error_pkt1, fpga_error_pkt2, max_arp_drop, ipv6frag_tcp, ipv6frag_icmp, ipv6frag_ospf, ipv6frag_esp, l4_in_ctrl_cpu, mgmt_svc_drop, jumbo_frag_drop, ipv6_jumbo_frag_drop, ipipv6_jumbo_frag_drop, ipv6_ndisc_dad_solicits, ipv6_ndisc_dad_adverts, ipv6_ndisc_mac_changes, ipv6_ndisc_out_of_memory, sp_non_ctrl_pkt_drop, urpf_pkt_drop, fw_smp_zone_mismatch, ipfrag_udp, ipfrag_icmp, ipfrag_ospf, ipfrag_esp, ipfrag_tcp_dropped, ipfrag_udp_dropped, ipfrag_ipip_dropped, redirect_fwd_fail, redirect_fwd_sent, redirect_rev_fail, redirect_rev_sent, redirect_setup_fail, ip_frag_sent, invalid_rx_arp_pkt, invalid_sender_mac_arp_drop, dev_based_arp_drop, scaleout_arp_drop, virtual_ip_not_found_arp_drop, inactive_static_nat_pool_arp_drop, inactive_nat_pool_arp_drop, scaleout_hairpin_arp_drop, self_grat_arp_drop, self_grat_nat_ip_arp_drop, ip_not_found_arp_drop, dev_link_down_arp_drop, lacp_tx_intf_err_drop, service_chain_sent, service_chain_rcvd, unnumbered_nat_error, unnumbered_unsupported_drop, ipv6frag_gre_dropped, ipv6_ndisc_dad_prefix_mismatch_drop

ftp-ctl

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-ctl_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_num': Total Control Sessions; 'alg_pkts_num': Total ALG packets; 'alg_pkts_xmitted_num': ALG packets rexmitted;

'alg_port_helper_created': Total PORT helper sessions; 'alg_pasv_helper_created': Total PASV helper sessions; 'alg_port_helper_freed_unused': PORT helper freed unused; 'alg_pasv_helper_freed_unused': PASV helper freed unused; 'alg_port_helper_nat_free': PORT helper NAT free;

Type: string

Supported Values: all, sessions_num, alg_pkts_num, alg_pkts_xmitted_num, alg_port_helper_created, alg_pasv_helper_created, alg_port_helper_freed_unused, alg_pasv_helper_freed_unused, alg_port_helper_nat_free

2.92.2 slb aflex

slb aflex endpoint for clear

aflex Specification

Type	*Configuration Resource*
Element Name	aflex
Element URI	/axapi/v3/slb/aflex
Element Attributes	aflex_attributes
Operational Data URI	/axapi/v3/slb/aflex/oper
Schema	`aflex schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflex

aflex attributes

Get Object

GET

/axapi/v3/slb/aflex

aflex attributes

Modify Object

POST

/axapi/v3/slb/aflex

aflex attributes

Replace Object

PUT

/axapi/v3/slb/aflex

aflex attributes

Delete Object

DELETE

/axapi/v3/slb/aflex

aflex attributes

aflex attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	aflex-count	number	aflex-count
	file-list		file-list
	filter_entry	string	filter_entry
	aflex-file-size-max	number	aflex-file-size-max
	filter_debug	number	filter_debug
	filter_event	string	filter_event
	thread-list		thread-list

2.92.3 slb aflex-log

aflex logging facility

aflex-log Specification

Type	*Configuration Resource*
Element Name	aflex-log
Element URI	/axapi/v3/slb/aflex-log
Element Attributes	aflex-log_attributes
Schema	`aflex-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflex-log

aflex-log attributes

Get Object

GET

/axapi/v3/slb/aflex-log

aflex-log attributes

Modify Object

POST

/axapi/v3/slb/aflex-log

aflex-log attributes

Replace Object

PUT

/axapi/v3/slb/aflex-log

aflex-log attributes

Delete Object

DELETE

/axapi/v3/slb/aflex-log

aflex-log attributes

aflex-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.4 slb aflow

Show aFlow statistics

aflow Specification

Type	*Configuration Resource*
Element Name	aflow
Element URI	/axapi/v3/slb/aflow
Element Attributes	aflow_attributes
Statistics Data URI	/axapi/v3/slb/aflow/stats
Operational Data URI	/axapi/v3/slb/aflow/oper
Schema	`aflow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflow

aflow attributes

```
POST /axapi/v3/slb/aflow
Payload:
{
    "aflow": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/aflow

aflow attributes

```
GET /axapi/v3/slb/aflow
Reponse:
{
    "aflow": {
        "uuid": "0448153e-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/aflow"
    }
}
```

Modify Object

POST

/axapi/v3/slb/aflow

aflow attributes

Replace Object

PUT

/axapi/v3/slb/aflow

aflow attributes

```
PUT /axapi/v3/slb/aflow
Payload:
```

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```
{
    "aflow": {
        "sampling-enable": [
            {
                "counters1": "pause_conn"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/aflow

aflow attributes

```
DELETE /axapi/v3/slb/aflow
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

aflow attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pause_conn': Pause connection; 'pause_conn_fail': Pause connection fail; 'resume_conn': Resume connection; 'event_resume_conn': Resume conn by event; 'timer_resume_conn': Resume conn by timer; 'try_to_resume_conn': Resume conn by trying; 'retry_resume_conn': Resume conn by retry; 'error_resume_conn': Resume conn by error;

'open_new_server_conn': Open new server conn; 'reuse_server_idle_conn': Reuse idle server conn; 'inc_aflow_limit': Inc aFlow limit;

Type: string

Supported Values: all, pause_conn, pause_conn_fail, resume_conn, event_resume_conn, timer_resume_conn, try_to_resume_conn, retry_resume_conn, error_resume_conn, open_new_server_conn, reuse_server_idle_conn, inc_aflow_limit

stats data

	Counter	Size	Description
	open_new_server_conn	8	Open new server conn
	reuse_server_idle_conn	8	Reuse idle server conn
	inc_aflow_limit	8	Inc aFlow limit
	pause_conn_fail	8	Pause connection fail
	pause_conn	8	Pause connection
	event_resume_conn	8	Resume conn by event
	try_to_resume_conn	8	Resume conn by trying
	resume_conn	8	Resume connection
	retry_resume_conn	8	Resume conn by retry
	error_resume_conn	8	Resume conn by error
	timer_resume_conn	8	Resume conn by timer

operational data

	Counter	Size	Description
	aflow-cpu-list		aflow-cpu-list
	cpu-count	number	cpu-count

2.92.5 slb common

SLB related commands

common Specification

Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/slb/common
Element Attributes	common_attributes
Operational Data URI	/axapi/v3/slb/common/oper
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common

common attributes

```
POST /axapi/v3/slb/common
Payload:
{
    "common": {
        "port-scan-detection": "enable",
        "aflex-table-entry-sync": {
            "aflex-table-entry-sync-enable": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/slb/common

common attributes

```
GET /axapi/v3/slb/common
Reponse:
{
    "common": {
        "port-scan-detection": "enable",
        "ping-sweep-detection": "disable",
        "extended-stats": 0,
        "stats-data-disable": 0,
        "graceful-shutdown-enable": 0,
        "rate-limit-logging": 0,
        "dsr-health-check-enable": 0,
        "aflex-table-entry-aging-interval": 1,
        "reset-stale-session": 0,
        "dns-cache-enable": 0,
        "dns-cache-age": 300,
        "dns-cache-entry-size": 256,
        "dns-vip-stateless": 0,
        "honor-server-response-ttl": 0,
        "max-buff-queued-per-conn": 1000,
        "log-for-reset-unknown-conn": 0,
        "gateway-health-check": 0,
        "msl-time": 2,
        "fast-path-disable": 0,
        "l2l3-trunk-lb-disable": 0,
        "snat-gwy-for-l3": 0,
        "disable-server-auto-reselect": 0,
        "enable-l7-req-acct": 0,
        "disable-adaptive-resource-check": 0,
        "snat-on-vip": 0,
```

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```
        "low-latency": 0,
        "mss-table": 536,
        "resolve-port-conflict": 0,
        "no-auto-up-on-aflex": 0,
        "hw-compression": 0,
        "max-http-header-count": 90,
        "scale-out": 0,
        "scale-out-traffic-map": 0,
        "sort-res": 0,
        "use-mss-tab": 0,
        "auto-nat-no-ip-refresh": "enable",
        "ddos-protection": {
            "ipd-enable-toggle": "disable",
            "logging": {
                "ipd-logging-toggle": "enable"
            },
            "packets-per-second": {
                "ipd-tcp": 200,
                "ipd-udp": 200
            }
        },
        "ssli-sni-hash-enable": 0,
        "software": 0,
        "substitute-source-mac": 0,
        "drop-icmp-to-vip-when-vip-down": 0,
        "player-id-check-enable": 0,
        "stateless-sg-multi-binding": 0,
        "ecmp-hash": "system-default",
        "service-group-on-no-dest-nat-vports": "enforce-different",
        "disable-port-masking": 0,
        "disable-persist-scoring": 0,
        "ipv4-offset": 0,
        "uuid": "0448062a-c86b-11e9-ba2d-9778838992f8",
        "aflex-table-entry-sync": {
            "aflex-table-entry-sync-enable": 1,
            "aflex-table-entry-sync-max-key-len": 1000,
            "aflex-table-entry-sync-max-value-len": 1000,
            "aflex-table-entry-sync-min-lifetime": 0,
            "uuid": "faad5cf6-6109-11d9-93cf-001fa00680a0",
            "a10-url": "/axapi/v3/slb/common/aflex-table-entry-sync"
        },
        "a10-url": "/axapi/v3/slb/common"
    }
}
```


Modify Object

POST

/axapi/v3/slb/common

common attributes

Replace Object

PUT

/axapi/v3/slb/common

common attributes

```
PUT /axapi/v3/slb/common
Payload:
{
    "common": {
        "port-scan-detection": "disable",
        "aflex-table-entry-sync": {
            "aflex-table-entry-sync-max-key-len": 1
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/common

common attributes

```
DELETE /axapi/v3/slb/common
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Changes will come into effect next time you write mem and reload the␣
↪Software.\n"
    }
}
```

common attributes

N5-new

Description HW assisted N5 SSL module with TLS 1.3 and TLS 1.2 support using OpenSSL 1.1.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: N5-newsoftware, software-tls13, QAT and N5-old are mutually exclusive

N5-old

Description HW assisted N5 SSL module with TLS 1.2 support using OpenSSL 0.9.7

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: N5-oldsoftware, software-tls13, QAT and N5-new are mutually exclusive

QAT

Description HW assisted QAT SSL module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: QATsoftware, software-tls13, N5-new and N5-old are mutually exclusive

aflex-table-entry-aging-interval

Description aFleX table entry aging interval in second

Type: number

Range: 1-3600

Default: 1

aflex-table-entry-sync

Description: aflex-table-entry-sync is a **JSON Block**. Please see below for *aflex-table-entry-sync*

Type: Object

Refernce Object: */axapi/v3/slb/common/aflex-table-entry-sync*

after-disable

Description Graceful shutdown after disable server/port and/or virtual server/port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-in-gateway-mode

Description Use source NAT gateway for L3 traffic for gateway mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-nat-no-ip-refresh

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

auto-translate-port

Description Auto Translate Port range

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff-thresh

Description Set buffer threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff-thresh-hw-buff

Description Set hardware buffer threshold

Type: number

Range: 1-2147483647

buff-thresh-relieve-thresh

Description Relieve threshold

Type: number

Range: 0-2147483647

buff-thresh-sys-buff-high

Description Set high water mark of system buffer

Type: number

Range: 0-2147483647

buff-thresh-sys-buff-low

Description Set low water mark of system buffer

Type: number

Range: 0-2147483647

compress-block-size

Description Set compression block size (Compression block size in bytes)

Type: number

Range: 6000-131008

conn-rate-limit

Description: conn-rate-limit is a **JSON Block**. Please see below for *conn-rate-limit*

Type: Object

Refernce Object: */axapi/v3/slb/common/conn-rate-limit*

ddos-pkt-count-thresh

Description Set packet count threshold for DDOS, default is 100

Type: number

Range: 1-256

Default: 100

ddos-pkt-size-thresh

Description Set data packet size threshold for DDOS, default is 64 bytes

Type: number

Range: 1-256

Default: 64

ddos-protection

Description: ddos-protection is a **JSON Block**. Please see below for *ddos-protection*

Type: Object

disable-adaptive-resource-check

Description Disable adaptive resource check based on buffer usage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-persist-scoring

Description Disable Persist Scoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-port-masking

Description Disable masking of ports for CPU hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-server-auto-reselect

Description Disable auto reselection of server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-age

Description Set DNS cache entry age, default is 300 seconds (1-1000000 seconds, default is 300 seconds)

Type: number

Range: 1-1000000

Default: 300

dns-cache-enable

Description Enable DNS cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-entry-size

Description Set DNS cache entry size, default is 256 bytes (1-4096 bytes, default is 256 bytes)

Type: number

Range: 1-4096

Default: 256

dns-response-rate-limiting

Description: dns-response-rate-limiting is a **JSON Block**. Please see below for *dns-response-rate-limiting*

Type: Object

Refernce Object: */axapi/v3/slb/common/dns-response-rate-limiting*

dns-vip-stateless

Description Enable DNS VIP stateless mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-icmp-to-vip-when-vip-down

Description Drop ICMP to VIP when VIP down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dsr-health-check-enable

Description Enable dsr-health-check (direct server return health check)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ecmp-hash

Description 'system-default': Use system default ecmp hashing algorithm; 'connection-based': Use connection information for hashing;

Type: string

Supported Values: system-default, connection-based

Default: system-default

enable-l7-req-acct

Description Enable L7 request accounting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entity

Description 'server': Graceful shutdown server/port only; 'virtual-server': Graceful shutdown virtual server/port only;

Type: string

Supported Values: server, virtual-server

exclude-destination

Description 'local': Maximum local rate; 'remote': Maximum remote rate; (Maximum rates)

Type: string

Supported Values: local, remote

extended-stats

Description Enable global slb extended statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-path-disable

Description Disable fast path in SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-health-check

Description Enable gateway health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-shutdown

Description 1-65535, in unit of seconds

Type: number

Range: 1-65535

graceful-shutdown-enable

Description Enable graceful shutdown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check-to-all-vip

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-fast-enable

Description Enable Http Fast in SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-compression

Description Use hardware compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-syn-rr

Description Configure hardware SYN round robin (range 1-500000)

Type: number

Range: 1-500000

interval

Description Specify the healthcheck interval, default is 5 seconds (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

Default: 5

ipv4-offset

Description IPv4 Octet Offset for Hash

Type: number

Range: 0-3

Default: 0

l2l3-trunk-lb-disable

Description Disable L2/L3 trunk LB

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-latency

Description Enable low latency mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-buff-queued-per-conn

Description Set per connection buffer threshold (Buffer value range 128-4096)

Type: number

Range: 128-4096

Default: 1000

max-http-header-count

Description Set maximum number of HTTP headers allowed

Type: number

Range: 90-255

Default: 90

max-local-rate

Description Set maximum local rate

Type: number

Range: 1-100

Default: 32

max-remote-rate

Description Set maximum remote rate

Type: number

Range: 1-1000000

Default: 15000

msl-time

Description Configure maximum session life, default is 2 seconds (1-40 seconds, default is 2 seconds)

Type: number

Range: 1-40

Default: 2

mss-table

Description Set MSS table (128-750, default is 536)

Type: number

Range: 128-750

Default: 536

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn-hm-rate

Description One Server Conn Health Check Rate

Type: number

Range: 1-60

override-port

Description Enable override port in DSR health check mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per-thr-percent

Description Percentage of default session count to use for per thread session table size

Type: number

Range: 1-100

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

player-id-check-enable

Description Enable the Player id check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

range

Description auto translate port range

Type: number

Range: 1-3

range-end

Description port range end

Type: number

Range: 0-65535

range-start

Description port range start

Type: number

Range: 0-65535

rate-limit-logging

Description Configure rate limit logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-stale-session

Description Send reset if session in delete queue receives a SYN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resolve-port-conflict

Description Enable client port service port conflicts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type

Description 'single-answer': Only cache DNS response with single answer; 'round-robin': Round robin;

Type: string

Supported Values: single-answer, round-robin

scale-out

Description Enable SLB scale out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scale-out-traffic-map

Description Set SLB scaleout traffic-map

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-on-no-dest-nat-vports

Description 'allow-same': Allow the binding service-group on no-dest-nat virtual ports; 'enforce-different': Enforce that the same service-group can not be bound on different no-dest-nat virtual ports;

Type: string

Supported Values: allow-same, enforce-different

Default: enforce-different

show-slb-server-legacy-cmd

Description Enable show slb server legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show-slb-service-group-legacy-cmd

Description Enable show slb service-group legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show-slb-virtual-server-legacy-cmd

Description Enable show slb virtual-server legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-gwy-for-l3

Description Use source NAT gateway for L3 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-preserve

Description: snat-preserve is a **JSON Block**. Please see below for *snat-preserve*

Type: Object

software

Description Software

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: softwaresoftware-tls13, QAT, N5-new and N5-old are mutually exclusive

software-tls13

Description Software TLS1.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: software-tls13software, QAT, N5-new and N5-old are mutually exclusive

sort-res

Description Enable SLB sorting of resource names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-sni-hash-enable

Description Enable SSLi SNI hash table

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateless-sg-multi-binding

Description Enable stateless service groups to be assigned to multiple L2/L3 DSR VIPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-disable

Description Disable global slb data statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the healthcheck timeout value, default is 15 seconds (Timeout Value, in seconds (default 15))

Type: number

Range: 1-360

Default: 15

traffic-map-type

Description 'vport': traffic-map per vport; 'global': global traffic-map;

Type: string

Supported Values: vport, global

Default: vport

ttl-threshold

Description Only cache DNS response with longer TTL

Type: number

Range: 1-10000000

use-default-sess-count

Description Use default session count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mss-tab

Description Use MSS based on internal table for SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aflex-table-entry-sync

Specification	
Type	*object*

aflex-table-entry-sync-enable

Description Enable aflex table sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aflex-table-entry-sync-max-key-len

Description aflex table entry max key length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-max-value-len

Description aflex table entry max value length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-min-lifetime

Description aflex table entry minimum lifetime to sync

Type: number

Range: 0-65535

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-response-rate-limiting

Specification	
Type	*object*

max-table-entries

Description Maximum number of entries allowed

Type: number

Range: 1000-4194304

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

conn-rate-limit

Specification	
Type	*object*

src-ip-list

Type: List

Refernce Object: */axapi/v3/slb/common/conn-rate-limit/src-ip/{protocol}*

conn-rate-limit_src-ip-list

Specification	
Type	*list*
Block object keys	

exceed-action

Description Set action if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Set max connections per period

Type: number

Range: 1-1000000

limit-period

Description '100': 100 ms; '1000': 1000 ms;

Type: string

Supported Values: 100, 1000

lock-out

Description Set lockout period in seconds if threshold exceeded

Type: number

Range: 1-3600

log

Description Send log if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': Set TCP connection rate limit; 'udp': Set UDP packet rate limit;

Type: string

Supported Values: tcp, udp

shared

Description Set threshold shared amongst all virtual ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ddos-protection

Specification	
Type	*object*

ipd-enable-toggle

Description 'enable': Enable SLB DDoS protection; 'disable': Disable SLB DDoS protection (default);

Type: string

Supported Values: enable, disable

Default: disable

logging

Description: logging is a **JSON Block**. Please see below for *ddos-protection_logging*

Type: Object

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *ddos-protection_packets-per-second*

Type: Object

ddos-protection_packets-per-second

Specification	
Type	*object*

ipd-tcp

Description Configure packets-per-second threshold per TCP port (default: 200)

Type: number

Range: 0-65535

Default: 200

ipd-udp

Description Configure packets-per-second threshold per UDP port (default: 200)

Type: number

Range: 0-65535

Default: 200

ddos-protection_logging

Specification	
Type	*object*

ipd-logging-toggle

Description 'enable': Enable SLB DDoS protection logging (default); 'disable': Disable SLB DDoS protection logging;

Type: string

Supported Values: enable, disable

Default: enable

snat-preserve

Specification	
Type	*object*

range

Type: List

snat-preserve_range

Specification	
Type	*list*
Block object keys	

port1

Description start port

Type: number

Range: 1025-65535

Default: 1025

port2

Description end port which is greater than start

Type: number

Range: 1025-65535

Default: 1025

operational data

	Counter	Size	Description
	server-auto-reselect	number	server-auto-reselect

2.92.6 slb common aflex-table-entry-sync

aflex table entry sync commands

aflex-table-entry-sync Specification

Type	*Configuration Resource*
Element Name	aflex-table-entry-sync
Element URI	/axapi/v3/slb/common/aflex-table-entry-sync
Element Attributes	aflex-table-entry-sync_attributes
Schema	`aflex-table-entry-sync schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

Get Object

GET

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

Modify Object

POST

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

Replace Object

PUT

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

Delete Object

DELETE

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

aflex-table-entry-sync attributes

aflex-table-entry-sync-enable

Description Enable aflex table sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aflex-table-entry-sync-max-key-len

Description aflex table entry max key length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-max-value-len

Description aflex table entry max value length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-min-lifetime

Description aflex table entry minimum lifetime to sync

Type: number

Range: 0-65535

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.7 slb common conn-rate-limit

Set rate limiting on virtual ports

conn-rate-limit Specification

Type	*Intermediate Resource*
Element Name	conn-rate-limit
Element URI	/axapi/v3/slb/common/conn-rate-limit
Element Attributes	conn-rate-limit_attributes
Schema	`conn-rate-limit schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/common/conn-rate-limit

conn-rate-limit_attributes

conn-rate-limit attributes

src-ip-list

Type: List

Refernce Object: */axapi/v3/slb/common/conn-rate-limit/src-ip/{protocol}*

src-ip-list

Specification	
Type	*list*
Block object keys	

exceed-action

Description Set action if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Set max connections per period

Type: number

Range: 1-1000000

limit-period

Description '100': 100 ms; '1000': 1000 ms;

Type: string

Supported Values: 100, 1000

lock-out

Description Set lockout period in seconds if threshold exceeded

Type: number

Range: 1-3600

log

Description Send log if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': Set TCP connection rate limit; 'udp': Set UDP packet rate limit;

Type: string

Supported Values: tcp, udp

shared

Description Set threshold shared amongst all virtual ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.8 slb common conn-rate-limit src-ip

Set connection limit based on source IP address

src-ip Specification

Type	*Collection*
Object Key(s)	*protocol*
Collection Name	*src-ip-list*
Collection URI	/axapi/v3/slb/common/conn-rate-limit/src-ip
Element Name	src-ip
Element URI	/axapi/v3/slb/common/conn-rate-limit/src-ip/{protocol}
Element Attributes	src-ip_attributes
Schema	`src-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/conn-rate-limit/src-ip

src-ip attributes

```
POST /axapi/v3/slb/common/conn-rate-limit/src-ip/
Payload:
{
    "src-ip": {
        "limit": 1,
        "protocol": "tcp",
        "limit-period": "100",
        "exceed-action": 1,
        "log": 1
    }
}
```

Create List

POST

/axapi/v3/slb/common/conn-rate-limit/src-ip

src-ip attributes

Get Object

GET

/axapi/v3/slb/common/conn-rate-limit/src-ip/{protocol}

src-ip attributes

```
GET /axapi/v3/slb/common/conn-rate-limit/src-ip/tcp
Reponse:
{
    "src-ip": {
        "protocol": "tcp",
        "limit": 1,
        "limit-period": "100",
        "shared": 0,
        "exceed-action": 1,
        "log": 1,
        "uuid": "1e5a881e-6118-11d9-93cf-001fa00680a0",
        "a10-url": "/axapi/v3/slb/common/conn-rate-limit/src-ip/tcp"
    }
}
```

Get List

GET

/axapi/v3/slb/common/conn-rate-limit/src-ip

src-ip-list

Modify Object

POST

/axapi/v3/slb/common/conn-rate-limit/src-ip/{protocol}

src-ip attributes

Replace Object

PUT

/axapi/v3/slb/common/conn-rate-limit/src-ip/{protocol}

src-ip attributes

Replace List

PUT

/axapi/v3/slb/common/conn-rate-limit/src-ip

src-ip-list

Delete Object

DELETE

/axapi/v3/slb/common/conn-rate-limit/src-ip/{protocol}

src-ip attributes

```
DELETE /axapi/v3/slb/common/conn-rate-limit/src-ip/tcp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

src-ip-list

src-ip-list is **JSON List** of *src-ip attributes*

src-ip-list : [

{ *src-ip attributes* },

{ *src-ip attributes* },

...

]

src-ip attributes

exceed-action

Description Set action if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Set max connections per period

Type: number

Range: 1-1000000

limit-period

Description '100': 100 ms; '1000': 1000 ms;

Type: string

Supported Values: 100, 1000

lock-out

Description Set lockout period in seconds if threshold exceeded

Type: number

Range: 1-3600

log

Description Send log if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': Set TCP connection rate limit; 'udp': Set UDP packet rate limit;

Type: string

Supported Values: tcp, udp

shared

Description Set threshold shared amongst all virtual ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.9 slb common dns-response-rate-limiting

DNS Response-Rate-Limiting Global Settings

dns-response-rate-limiting Specification

Type	*Configuration Resource*
Element Name	dns-response-rate-limiting
Element URI	/axapi/v3/slb/common/dns-response-rate-limiting
Element Attributes	dns-response-rate-limiting_attributes
Schema	`dns-response-rate-limiting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

Get Object

GET

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

Modify Object

POST

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

Replace Object

PUT

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

Delete Object

DELETE

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

dns-response-rate-limiting attributes

max-table-entries

Description Maximum number of entries allowed

Type: number

Range: 1000-4194304

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.10 slb connection-reuse

Show Connection Reuse Statistics

connection-reuse Specification

Type	*Configuration Resource*
Element Name	connection-reuse
Element URI	/axapi/v3/slb/connection-reuse
Element Attributes	connection-reuse_attributes
Statistics Data URI	/axapi/v3/slb/connection-reuse/stats
Operational Data URI	/axapi/v3/slb/connection-reuse/oper
Schema	`connection-reuse schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/connection-reuse

connection-reuse attributes

```
POST /axapi/v3/slb/connection-reuse
Payload:
{
    "connection-reuse": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/connection-reuse

connection-reuse attributes

```
GET /axapi/v3/slb/connection-reuse
Reponse:
{
    "connection-reuse": {
        "uuid": "044814a8-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/connection-reuse"
    }
}
```

Modify Object

POST

/axapi/v3/slb/connection-reuse

connection-reuse attributes

Replace Object

PUT

/axapi/v3/slb/connection-reuse

connection-reuse attributes

```
PUT /axapi/v3/slb/connection-reuse
Payload:
{
    "connection-reuse": {
        "sampling-enable": [
            {
                "counters1": "current_open"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/connection-reuse

connection-reuse attributes

```
DELETE /axapi/v3/slb/connection-reuse
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "status": "OK"
    }
}
```

connection-reuse attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current_open': Open persist; 'current_active': Active persist; 'nbind': Total bind; 'nunbind': Total unbind; 'nestab': Total established; 'ntermi': Total terminated; 'ntermi_err': Total terminated by err; 'delay_unbind': Delayed unbind; 'long_resp': Long resp; 'miss_resp': Missed resp; 'unbound_data_rcv': Unbound data rcvd; 'pause_conn': Pause request; 'pause_conn_fail': Pause request fail; 'resume_conn': Resume request; 'not_remove_from_rport': Not remove from list;

Type: string

Supported Values: all, current_open, current_active, nbind, nunbind, nestab, ntermi, ntermi_err, delay_unbind, long_resp, miss_resp, unbound_data_rcv, pause_conn, pause_conn_fail, resume_conn, not_remove_from_rport

stats data

	Counter	Size	Description
	miss_resp	8	Missed resp
	ntermi_err	8	Total terminated by err
	current_open	8	Open persist
	current_active	8	Active persist
	pause_conn	8	Pause request
	delay_unbind	8	Delayed unbind
	long_resp	8	Long resp
	ntermi	8	Total terminated
	pause_conn_fail	8	Pause request fail
	nunbind	8	Total unbind
	unbound_data_rcv	8	Unbound data rcvd
	resume_conn	8	Resume request
	nbind	8	Total bind
	not_remove_from_rport	8	Not remove from list
	nestab	8	Total established

operational data

	Counter	Size	Description
	cpu-count	number	cpu-count
	connection-reuse-cpu-list		connection-reuse-cpu-list

2.92.11 slb crl-srcip

Show connection rate limit statistics

crl-srcip Specification

Type	*Configuration Resource*
Element Name	crl-srcip
Element URI	/axapi/v3/slb/crl-srcip
Element Attributes	crl-srcip_attributes
Statistics Data URI	/axapi/v3/slb/crl-srcip/stats
Operational Data URI	/axapi/v3/slb/crl-srcip/oper
Schema	`crl-srcip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/crl-srcip

crl-srcip attributes

```
POST /axapi/v3/slb/crl-srcip
Payload:
{
    "crl-srcip": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/crl-srcip

crl-srcip attributes

```
GET /axapi/v3/slb/crl-srcip
Reponse:
{
    "crl-srcip": {
        "uuid": "04481d9a-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/crl-srcip"
    }
}
```

Modify Object

POST

/axapi/v3/slb/crl-srcip

crl-srcip attributes

Replace Object

PUT

/axapi/v3/slb/crl-srcip

crl-srcip attributes

```
PUT /axapi/v3/slb/crl-srcip
Payload:
```

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```
{
    "crl-srcip": {
        "sampling-enable": [
            {
                "counters1": "sessions_alloc"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/crl-srcip

crl-srcip attributes

```
DELETE /axapi/v3/slb/crl-srcip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

crl-srcip attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_alloc': Sessions allocated; 'sessions_freed': Sessions freed; 'out_of_sessions': Out of sessions; 'too_many_sessions': Too many sessions consumed; 'called': Threshold check count; 'permitted': Honor threshold count; 'threshold_exceed': Threshold exceeded count; 'lockout_drop': Lockout drops; 'log_msg_sent': Log messages sent;

Type: string

Supported Values: all, sessions_alloc, sessions_freed, out_of_sessions, too_many_sessions, called, permitted, threshold_exceed, lockout_drop, log_msg_sent

stats data

	Counter	Size	Description
	thresh-old_exceed	2	Threshold exceeded count
	lockout_drop	2	Lockout drops
	too_many_sessions	2	Too many sessions consumed
	ses-sions_freed	2	Sessions freed
	permitted	2	Honor threshold count
	log_msg_sent	2	Log messages sent
	ses-sions_alloc	2	Sessions allocated
	out_of_sessions	2	Out of sessions
	called	2	Threshold check count

operational data

	Counter	Size	Description
	crl_srcip_lockedout_ips		crl_srcip_lockedout_ips
	locked-out_ips_count	number	lockedout_ips_count

2.92.12 slb dns

DNS Packet Statistics

dns Specification

Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/slb/dns
Element Attributes	dns_attributes
Statistics Data URI	/axapi/v3/slb/dns/stats
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns

dns attributes

```
POST /axapi/v3/slb/dns
Payload:
{
    "dns": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/dns

dns attributes

```
GET /axapi/v3/slb/dns
Reponse:
{
    "dns": {
        "uuid": "04481ee4-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/dns"
    }
}
```

Modify Object

POST

/axapi/v3/slb/dns

dns attributes

Replace Object

PUT

/axapi/v3/slb/dns

dns attributes

```
PUT /axapi/v3/slb/dns
Payload:
{
    "dns": {
        "sampling-enable": [
```

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```
            {
                "counters1": "slb_req"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/dns

dns attributes

```
DELETE /axapi/v3/slb/dns
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slb_req': No. of requests; 'slb_resp': No. of responses; 'slb_no_resp': No. of resource failures; 'slb_req_rexmit': No. of request retransmits; 'slb_resp_no_match': No. of requests with no response; 'slb_no_resource': No. of resource failures; 'nat_req': (NAT) No. of requests; 'nat_resp': (NAT) No. of responses; 'nat_no_resp': (NAT) No. of resource failures; 'nat_req_rexmit': (NAT) No. of request retransmits; 'nat_resp_no_match': (NAT) No. of requests with no response; 'nat_no_resource': (NAT) No. of resource failures; 'nat_xid_reused': (NAT) No. of requests reusing a transaction id;

Type: string

Supported Values: all, slb_req, slb_resp, slb_no_resp, slb_req_rexmit, slb_resp_no_match, slb_no_resource, nat_req, nat_resp, nat_no_resp, nat_req_rexmit, nat_resp_no_match, nat_no_resource, nat_xid_reused, filter_type_drop, filter_class_drop, filter_type_any_drop, slb_dns_client_ssl_succ, slb_dns_server_ssl_succ, slb_dns_udp_conn, slb_dns_udp_conn_succ, slb_dns_padding_to_server_removed, slb_dns_padding_to_client_added, slb_dns_edns_subnet_to_server_removed, slb_dns_udp_retransmit, slb_dns_udp_retransmit_fail, rpz_action_drop, rpz_action_pass_thru, rpz_action_tcp_only, rpz_action_nxdomain, rpz_action_nodata, rpz_action_local_data, slb_drop, nat_slb_drop, invalid_q_len_to_udp

stats data

	Counter	Size	Description
	nat_slb_drop	2	(NAT)DNS requests drop
	slb_dns_server_ssl_succ	2	No. of server ssl success
	nat_resp	2	(NAT) No. of responses
	slb_resp_no_match	2	No. of requests with no response
	slb_drop	2	DNS requests drop
	slb_dns_udp_retransmit	2	slb_dns_udp_retransmit
	invalid_q_len_to_udp	2	invalid query length to conver to UDP
	slb_dns_udp_conn	2	No. of backend udp connections
	nat_req	2	(NAT) No. of requests
	slb_dns_padding_to_server_removed	2	slb_dns_padding_to_server_removed
	rpz_action_drop	2	RPZ Action Drop
	slb_no_resource	2	No. of resource failures
	rpz_action_pass_thru	2	RPZ Action Pass Through
	slb_req	2	No. of requests
	rpz_action_tcp_only	2	RPZ Action TCP Only
	filter_type_drop	2	Total Query Type Drop
	slb_req_rexmit	2	No. of request retransmits
	nat_req_rexmit	2	(NAT) No. of request retransmits
	rpz_action_nodata	2	RPZ Action NODATA
	slb_dns_padding_to_client_added	2	slb_dns_padding_to_client_added
	slb_dns_udp_retransmit_fail	2	slb_dns_udp_retransmit_fail
	slb_no_resp	2	No. of resource failures
	nat_no_resource	2	(NAT) No. of resource failures
	nat_no_resp	2	(NAT) No. of resource failures
	slb_dns_udp_conn_succ	2	No. of backend udp conn established
	slb_dns_edns_subnet_to_server_removed	2	slb_dns_edns_subnet_to_server_removed
	nat_xid_reused	2	(NAT) No. of requests reusing a transaction id
	rpz_action_local_data	2	RPZ Action Local Data
	rpz_action_nxdomain	2	RPZ Action NXDOMAIN
	slb_dns_client_ssl_succ	2	No. of client ssl success
	nat_resp_no_match	2	(NAT) No. of requests with no response
	filter_type_any_drop	2	Total Query ANY Type Drop

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Table 2.28 – continued from previous page

	Counter	Size	Description
	filter_class_drop	2	Total Query Class Drop
	slb_resp	2	No. of responses

2.92.13 slb dns-cache

DNS Cache Statistics

dns-cache Specification

Type	*Configuration Resource*
Element Name	dns-cache
Element URI	/axapi/v3/slb/dns-cache
Element Attributes	dns-cache_attributes
Statistics Data URI	/axapi/v3/slb/dns-cache/stats
Operational Data URI	/axapi/v3/slb/dns-cache/oper
Schema	`dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-cache

dns-cache attributes

```
POST /axapi/v3/slb/dns-cache
Payload:
{
    "dns-cache": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/dns-cache

dns-cache attributes

```
GET /axapi/v3/slb/dns-cache
Reponse:
{
    "dns-cache": {
        "uuid": "04481f7a-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/dns-cache"
    }
}
```

Modify Object

POST

/axapi/v3/slb/dns-cache

dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/dns-cache

dns-cache attributes

```
PUT /axapi/v3/slb/dns-cache
Payload:
{
    "dns-cache": {
        "sampling-enable": [
            {
                "counters1": "total_q"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/dns-cache

dns-cache attributes

```
DELETE /axapi/v3/slb/dns-cache
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns-cache attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_q': Total query; 'total_r': Total server response; 'hit': Total cache hit; 'bad_q': Query not passed; 'encode_q': Query encoded; 'multiple_q': Query with multiple questions; 'oversize_q': Query exceed cache size; 'bad_r': Response not passed; 'oversize_r': Response exceed cache size; 'encode_r': Response encoded; 'multiple_r': Response with multiple questions; 'answer_r': Response with multiple answers; 'ttl_r': Response with short TTL; 'ageout': Total aged out; 'bad_answer': Bad Answer; 'ageout_weight': Total aged for lower weight; 'total_log': Total stats log sent; 'total_alloc': Total allocated; 'total_freed': Total freed; 'current_allocate': Current allocate; 'current_data_allocate': Current data allocate;

Type: string

Supported Values: all, total_q, total_r, hit, bad_q, encode_q, multiple_q, oversize_q, bad_r, oversize_r, encode_r, multiple_r, answer_r, ttl_r, ageout, bad_answer, ageout_weight, total_log, total_alloc, total_freed, current_allocate, current_data_allocate, resolver_queue_full

stats data

	Counter	Size	Description
	multiple_r	2	Response with multiple questions
	multiple_q	2	Query with multiple questions
	bad_q	2	Query not passed
	bad_r	2	Response not passed
	answer_r	2	Response with multiple answers
	encode_q	2	Query encoded
	current_data_allocate	8	Current data allocate
	ttl_r	2	Response with short TTL
	resolver_queue_full	8	Resolver task queue full
	total_q	2	Total query
	total_r	2	Total server response
	total_log	2	Total stats log sent
	hit	2	Total cache hit
	current_allocate	8	Current allocate
	oversize_r	2	Response exceed cache size
	oversize_q	2	Query exceed cache size
	ageout_weight	2	Total aged for lower weight
	bad_answer	2	Bad Answer
	ageout	2	Total aged out
	total_freed	2	Total freed
	total_alloc	2	Total allocated
	encode_r	2	Response encoded

operational data

	Counter	Size	Description
	fqdn_domain	string-rlx	domain name
	type_value	number	type_value
	port-num	number	port-num
	cache-client		cache-client
	class_value	number	type value
	type_string	enum	Output contains one of the following values: - A, AAAA, CNAE, MX, NS, SRV
	global	flag	global
	vs-name	string	vs-name
	do-main_name	string-rlx	domain name
	class_string	enum	Output contains one of the following values: - IN, CH, HS, NONE, ANY
	client	flag	client
	entry	flag	entry
	cache-entry		cache-entry
	total	number	total
	vport	flag	vport
	port-type	string	port-type

2.92.14 slb dns-response-rate-limiting

Show DNS Response-Rate-Limiting Statistics

dns-response-rate-limiting Specification

Type	*Configuration Resource*
Element Name	dns-response-rate-limiting
Element URI	/axapi/v3/slb/dns-response-rate-limiting
Element Attributes	dns-response-rate-limiting_attributes
Statistics Data URI	/axapi/v3/slb/dns-response-rate-limiting/stats
Operational Data URI	/axapi/v3/slb/dns-response-rate-limiting/oper
Schema	`dns-response-rate-limiting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

Get Object

GET

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

Modify Object

POST

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

Replace Object

PUT

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

Delete Object

DELETE

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

dns-response-rate-limiting attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_withdrew': Total Entry Withdrew; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'total_logs': Total Logs; 'total_overflow_entry_hits': Total Overflow Entry Hits; 'total_refill': Total Refills; 'total_credit_exceeded': Total Credit Exceeded; 'other_thread_refill': Other Thread Refilling; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_ext_create_oom': Entry Extension Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_vport_fail_match': Failed to Match Vport;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_withdrew, total_ready_to_free, total_freed, total_logs, total_overflow_entry_hits, total_refill, total_credit_exceeded, other_thread_refill, err_entry_create_failed, err_entry_create_oom, err_entry_ext_create_oom, err_entry_insert_failed, err_vport_fail_match

stats data

	Counter	Size	Description
	err_vport_fail_match	8	Failed to Match Vport
	curr_entries	8	Current Entry Count
	total_logs	8	Total Logs
	err_entry_create_failed	8	Entry Creation Failure
	err_entry_create_oom	8	Entry Creation Out of Memory
	other_thread_refill	8	Other Thread Refilling
	total_ready_to_free	8	Total Entry Ready To Free
	total_freed	8	Total Entry Freed
	total_inserted	8	Total Entry Inserted
	total_refill	8	Total Refills
	total_overflow_entry_hits	8	Total Overflow Entry Hits
	total_credit_exceeded	8	Total Credit Exceeded
	err_entry_insert_failed	8	Entry Insert Failed
	err_entry_ext_create_oom	8	Entry Extension Creation Out of Memory
	total_created	8	Total Entry Created
	total_withdrew	8	Total Entry Withdrew

operational data

	Counter	Size	Description
	dnsrrl-cpu-list		dnsrrl-cpu-list
	filter_fqdn	string	filter_fqdn
	cpu-count	number	cpu-count
	entry-list		entry-list
	filter_address_v4	ipv4-address	filter_address_v4
	filter_debug	number	filter_debug
	filter_address_v6	ipv6-address	filter_address_v6
	filter_type	enum	Output contains one of the following values: - statistics, entry, entry-ipv4, entry-ipv6

2.92.15 slb domain-list-info

Display domian-list Information

domain-list-info Specification

Type	*Configuration Resource*
Element Name	domain-list-info
Element URI	/axapi/v3/slb/domain-list-info
Element Attributes	domain-list-info_attributes
Operational Data URI	/axapi/v3/slb/domain-list-info/oper
Schema	`domain-list-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/domain-list-info

domain-list-info attributes

Get Object

GET

/axapi/v3/slb/domain-list-info

domain-list-info attributes

Modify Object

POST

/axapi/v3/slb/domain-list-info

domain-list-info attributes

Replace Object

PUT

/axapi/v3/slb/domain-list-info

domain-list-info attributes

Delete Object

DELETE

/axapi/v3/slb/domain-list-info

domain-list-info attributes

domain-list-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	domain-list		domain-list

2.92.16 slb ecmp

ecmp debug

ecmp Specification

Type	*Configuration Resource*
Element Name	ecmp
Element URI	/axapi/v3/slb/ecmp
Element Attributes	ecmp_attributes
Operational Data URI	/axapi/v3/slb/ecmp/oper
Schema	`ecmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ecmp

ecmp attributes

Get Object

GET

/axapi/v3/slb/ecmp

ecmp attributes

Modify Object

POST

/axapi/v3/slb/ecmp

ecmp attributes

Replace Object

PUT

/axapi/v3/slb/ecmp

ecmp attributes

Delete Object

DELETE

/axapi/v3/slb/ecmp

ecmp attributes

ecmp attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	source-addr-v6	ipv6-address	source-addr-v6
	source-addr-v4	ipv4-address	source-addr-v4
	total-path	number	total-path
	dest-addr-v6	ipv6-address	dest-addr-v6
	filter_type	enum	Output contains one of the following values: - ipv6
	dest-addr-v4	ipv4-address	dest-addr-v4
	ecmp-path	number	ecmp-path
	src-port	number	src-port
	dst-port	number	dst-port

2.92.17 slb fast-http-proxy

Show Fast-HTTP Proxy Statistics

fast-http-proxy Specification

Type	*Configuration Resource*
Element Name	fast-http-proxy
Element URI	/axapi/v3/slb/fast-http-proxy
Element Attributes	fast-http-proxy_attributes
Statistics Data URI	/axapi/v3/slb/fast-http-proxy/stats
Operational Data URI	/axapi/v3/slb/fast-http-proxy/oper
Schema	`fast-http-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

```
POST /axapi/v3/slb/fast-http-proxy
Payload:
{
    "fast-http-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

```
GET /axapi/v3/slb/fast-http-proxy
Reponse:
{
    "fast-http-proxy": {
        "uuid": "04482308-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/fast-http-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

Replace Object

PUT

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

```
PUT /axapi/v3/slb/fast-http-proxy
Payload:
{
    "fast-http-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

```
DELETE /axapi/v3/slb/fast-http-proxy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

fast-http-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'req': HTTP requests; 'req_succ': HTTP requests(succ); 'noproxy': No proxy error; 'client_rst': Client RST; 'server_rst': Server RST; 'notuple': No tuple error; 'parsereq_fail': Parse req fail; 'svrsel_fail': Server selection fail; 'fwdreq_fail': Fwd req fail; 'fwdreq_fail_buff': Fwd req fail - buff; 'fwdreq_fail_rport': Fwd req fail - rport; 'fwdreq_fail_route': Fwd req fail - route; 'fwdreq_fail_persist': Fwd req fail - persist; 'fwdreq_fail_server': Fwd req fail - server; 'fwdreq_fail_tuple': Fwd req fail - tuple; 'fwdreqdata_fail': Fwd req data fail; 'req_retran': Packets retrans; 'req_ofo': Packets ofo; 'server_resel': Server reselection; 'svr_prem_close': Server premature close; 'new_svrconn': Server conn made; 'snat_fail': Source NAT failure; 'tcpoutrst': Out RSTs; 'full_proxy': Full proxy tot; 'full_proxy_post': Full proxy POST; 'full_proxy_pipeline': Full proxy pipeline; 'full_proxy_fpga_err': Full proxy fpga err; 'req_over_limit': Request over limit; 'req_rate_over_limit': Request rate over limit; 'l4_switching': L4 switching; 'cookie_switching': Cookie switching; 'aflex_switching': aFleX switching; 'http_policy_switching': HTTP Policy switching; 'url_switching': URL switching; 'host_switching': Host switching; 'lb_switching': Normal LB switching; 'l4_switching_ok': L4 switching (succ); 'cookie_switching_ok': Cookie switching (succ); 'aflex_switching_ok': aFleX switching (succ); 'http_policy_switching_ok': HTTP Policy switching (succ); 'url_switching_ok': URL switching (succ); 'host_switching_ok': Host switching (succ); 'lb_switching_ok': Normal LB switch. (succ); 'l4_switching_enqueue': L4 switching (enQ); 'cookie_switching_enqueue': Cookie switching (enQ); 'aflex_switching_enqueue': aFleX switching (enQ); 'http_policy_switching_enqueue': HTTP Policy switching (enQ); 'url_switching_enqueue': URL switching (enQ); 'host_switching_enqueue': Host switching (enQ); 'lb_switching_enqueue': Normal LB switch. (enQ); 'retry_503': Retry on 503; 'aflex_retry': aFleX http retry; 'aflex_lb_reselect': aFleX lb reselect; 'aflex_lb_reselect_ok': aFleX lb reselect (succ); 'client_rst_request': Client RST - request; 'client_rst_connecting': Client RST - connecting; 'client_rst_connected': Client RST - connected; 'client_rst_response': Client RST - response; 'server_rst_request': Server RST - request; 'server_rst_connecting': Server RST - connecting; 'server_rst_connected': Server RST - connected; 'server_rst_response': Server RST - response; 'invalid_header': Invalid header; 'too_many_headers': Too many headers; 'line_too_long': Line too long; 'header_name_too_long': Header name too long; 'wrong_resp_header': Wrong response header; 'header_insert': Header insert; 'header_delete': Header delete; 'insert_client_ip': Insert client IP; 'negative_req_remain': Negative request remain; 'negative_resp_remain': Negative response remain; 'large_cookie': Large cookies; 'large_cookie_header': Large cookie headers; 'huge_cookie': Huge cookies; 'huge_cookie_header': Huge cookie headers; 'parse_cookie_fail': Parse cookie fail; 'parse_setcookie_fail': Parse set-cookie fail; 'asm_cookie_fail': Assemble cookie fail; 'asm_cookie_header_fail': Asm cookie header fail; 'asm_setcookie_fail': Assemble set-cookie fail; 'asm_setcookie_header_fail': Asm set-cookie hdr fail; 'client_req_unexp_flag': Client req unexp flags; 'connecting_fin': Connecting FIN; 'connecting_fin_retrans': Connecting FIN retran; 'connecting_fin_ofo': Connecting FIN ofo; 'connecting_rst': Connecting RST; 'connecting_rst_retrans': Connecting RST retran; 'connecting_rst_ofo': Connecting RST ofo; 'connecting_ack': Connecting ACK; 'pkts_ofo': Packets ofo; 'pkts_retrans': Packets retrans; 'pkts_retrans_ack_finwait': retrans ACK FWAIT; 'pkts_retrans_fin': retrans FIN; 'pkts_retrans_rst': retrans RST; 'pkts_retrans_push': re-

trans PSH; 'stale_sess': Stale sess; 'server_resel_failed': Server re-select failed; 'compression_before': Tot data before compress; 'compression_after': Tot data after compress; 'response_1xx': Status code 1XX; 'response_100': Status code 100; 'response_101': Status code 101; 'response_102': Status code 102; 'response_2xx': Status code 2XX; 'response_200': Status code 200; 'response_201': Status code 201; 'response_202': Status code 202; 'response_203': Status code 203; 'response_204': Status code 204; 'response_205': Status code 205; 'response_206': Status code 206; 'response_207': Status code 207; 'response_3xx': Status code 3XX; 'response_300': Status code 300; 'response_301': Status code 301; 'response_302': Status code 302; 'response_303': Status code 303; 'response_304': Status code 304; 'response_305': Status code 305; 'response_306': Status code 306; 'response_307': Status code 307; 'response_4xx': Status code 4XX; 'response_400': Status code 400; 'response_401': Status code 401; 'response_402': Status code 402; 'response_403': Status code 403; 'response_404': Status code 404; 'response_405': Status code 405; 'response_406': Status code 406; 'response_407': Status code 407; 'response_408': Status code 408; 'response_409': Status code 409; 'response_410': Status code 410; 'response_411': Status code 411; 'response_412': Status code 412; 'response_413': Status code 413; 'response_414': Status code 414; 'response_415': Status code 415; 'response_416': Status code 416; 'response_417': Status code 417; 'response_418': Status code 418; 'response_422': Status code 422; 'response_423': Status code 423; 'response_424': Status code 424; 'response_425': Status code 425; 'response_426': Status code 426; 'response_449': Status code 449; 'response_450': Status code 450; 'response_5xx': Status code 5XX; 'response_500': Status code 500; 'response_501': Status code 501; 'response_502': Status code 502; 'response_503': Status code 503; 'response_504': Status code 504; 'response_505': Status code 505; 'response_506': Status code 506; 'response_507': Status code 507; 'response_508': Status code 508; 'response_509': Status code 509; 'response_510': Status code 510; 'response_6xx': Status code 6XX; 'response_unknown': Status code unknown; 'req_http10': Request 1.0; 'req_http11': Request 1.1; 'response_http10': Resp 1.0; 'response_http11': Resp 1.1; 'req_get': Method GET; 'req_head': Method HEAD; 'req_put': Method PUT; 'req_post': Method POST; 'req_trace': Method TRACE; 'req_options': Method OPTIONS; 'req_connect': Method CONNECT; 'req_delete': Method DELETE; 'req_unknown': Method UNKNOWN; 'req_content_len': Req content len; 'rsp_content_len': Resp content len; 'rsp_chunk': Resp chunk encoding; 'req_chunk': Req chunk encoding; 'compress_rsp': Compress req; 'compress_del_accept_enc': Compress del accept enc; 'compress_resp_already_compressed': Resp already compressed; 'compress_content_type_excluded': Compress cont type excl; 'compress_no_content_type': Compress no cont type; 'compress_resp_lt_min': Compress resp less than min; 'compress_resp_no_cl_or_ce': Compress resp no CL/CE; 'compress_ratio_too_high': Compress ratio too high; 'cache_rsp': HTTP req (cache succ); 'close_on_ddos': Close on DDoS; 'req_http10_keepalive': 1.0 Keepalive; 'req_sz_1k': Req less than equal to 1K; 'req_sz_2k': Req less than equal to 2K;

Type: string

Supported Values: all, num, curr_proxy, total_proxy, req, req_succ, noproxy, client_rst, server_rst, notuple, parsereq_fail, svrsel_fail, fwdreq_fail, fwdreq_fail_buff, fwdreq_fail_rport, fwdreq_fail_route, fwdreq_fail_persist, fwdreq_fail_server, fwdreq_fail_tuple, fwdreqdata_fail, req_retran, req_ofo, server_resel, svr_prem_close, new_svrconn, snat_fail, tcpoutrst, full_proxy, full_proxy_post, full_proxy_pipeline, full_proxy_fpga_err, req_over_limit, req_rate_over_limit, l4_switching, cookie_switching, aflex_switching, http_policy_switching, url_switching, host_switching, lb_switching, l4_switching_ok, cookie_switching_ok, aflex_switching_ok, http_policy_switching_ok, url_switching_ok, host_switching_ok, lb_switching_ok, l4_switching_enqueue, cookie_switching_enqueue, aflex_switching_enqueue, http_policy_switching_enqueue, url_switching_enqueue, host_switching_enqueue, lb_switching_enqueue, retry_503, aflex_retry, aflex_lb_reselect, aflex_lb_reselect_ok, client_rst_request, client_rst_connecting,

client_rst_connected, client_rst_response, server_rst_request, server_rst_connecting, server_rst_connected, server_rst_response, invalid_header, too_many_headers, line_too_long, header_name_too_long, wrong_resp_header, header_insert, header_delete, insert_client_ip, negative_req_remain, negative_resp_remain, large_cookie, large_cookie_header, huge_cookie, huge_cookie_header, parse_cookie_fail, parse_setcookie_fail, asm_cookie_fail, asm_cookie_header_fail, asm_setcookie_fail, asm_setcookie_header_fail, client_req_unexp_flag, connecting_fin, connecting_fin_retrans, connecting_fin_ofo, connecting_rst, connecting_rst_retrans, connecting_rst_ofo, connecting_ack, pkts_ofo, pkts_retrans, pkts_retrans_ack_finwait, pkts_retrans_fin, pkts_retrans_rst, pkts_retrans_push, stale_sess, server_resel_failed, compression_before, compression_after, response_1xx, response_100, response_101, response_102, response_2xx, response_200, response_201, response_202, response_203, response_204, response_205, response_206, response_207, response_3xx, response_300, response_301, response_302, response_303, response_304, response_305, response_306, response_307, response_4xx, response_400, response_401, response_402, response_403, response_404, response_405, response_406, response_407, response_408, response_409, response_410, response_411, response_412, response_413, response_414, response_415, response_416, response_417, response_418, response_422, response_423, response_424, response_425, response_426, response_449, response_450, response_5xx, response_500, response_501, response_502, response_503, response_504, response_505, response_506, response_507, response_508, response_509, response_510, response_6xx, response_unknown, req_http10, req_http11, response_http10, response_http11, req_get, req_head, req_put, req_post, req_trace, req_options, req_connect, req_delete, req_unknown, req_content_len, rsp_content_len, rsp_chunk, req_chunk, compress_rsp, compress_del_accept_enc, compress_resp_already_compressed, compress_content_type_excluded, compress_no_content_type, compress_resp_lt_min, compress_resp_no_cl_or_ce, compress_ratio_too_high, cache_rsp, close_on_ddos, req_http10_keepalive, req_sz_1k, req_sz_2k

counters2

Description 'req_sz_4k': Req less than equal to 4K; 'req_sz_8k': Req less than equal to 8K; 'req_sz_16k': Req less than equal to 16K; 'req_sz_32k': Req less than equal to 32K; 'req_sz_64k': Req less than equal to 64K; 'req_sz_256k': Req less than equal to 256K; 'req_sz_gt_256k': Req greater than 256K; 'rsp_sz_1k': Resp less than equal to 1K; 'rsp_sz_2k': Resp less than equal to 2K; 'rsp_sz_4k': Resp less than equal to 4K; 'rsp_sz_8k': Resp less than equal to 8K; 'rsp_sz_16k': Resp less than equal to 16K; 'rsp_sz_32k': Resp less than equal to 32K; 'rsp_sz_64k': Resp less than equal to 64K; 'rsp_sz_256k': Resp less than equal to 256K; 'rsp_sz_gt_256k': Resp greater than 256K; 'chunk_sz_512': Chunk less than equal to 512; 'chunk_sz_1k': Chunk less than equal to 1K; 'chunk_sz_2k': Chunk less than equal to 2K; 'chunk_sz_4k': Chunk less than equal to 4K; 'chunk_sz_gt_4k': Chunk greater than 4K; 'pconn_connecting': pconn connecting; 'pconn_connected': pconn connected; 'pconn_connecting_failed': pconn conn failed; 'chunk_bad': Bad Chunk; 'req_10u': Rsp time less than 10u; 'req_20u': Rsp time less than 20u; 'req_50u': Rsp time less than 50u; 'req_100u': Rsp time less than 100u; 'req_200u': Rsp time less than 200u; 'req_500u': Rsp time less than 500u; 'req_1m': Rsp time less than 1m; 'req_2m': Rsp time less than 2m; 'req_5m': Rsp time less than 5m; 'req_10m': Rsp time less than 10m; 'req_20m': Rsp time less than 20m; 'req_50m': Rsp time less than 50m; 'req_100m': Rsp time less than 100m; 'req_200m': Rsp time less than 200m; 'req_500m': Rsp time less than 500m; 'req_1s': Rsp time less than 1s; 'req_2s': Rsp time less than 2s; 'req_5s': Rsp time less than 5s; 'req_over_5s': Rsp time greater than equal to 5s; 'insert_client_port': Insert client Port; 'req_track': Method TRACK; 'full_proxy_put': Full proxy PUT; 'non_http_bypass': Non-HTTP bypass;

Type: string

Supported Values: req_sz_4k, req_sz_8k, req_sz_16k, req_sz_32k, req_sz_64k,

req_sz_256k, req_sz_gt_256k, rsp_sz_1k, rsp_sz_2k, rsp_sz_4k, rsp_sz_8k, rsp_sz_16k, rsp_sz_32k, rsp_sz_64k, rsp_sz_256k, rsp_sz_gt_256k, chunk_sz_512, chunk_sz_1k, chunk_sz_2k, chunk_sz_4k, chunk_sz_gt_4k, pconn_connecting, pconn_connected, pconn_connecting_failed, chunk_bad, req_10u, req_20u, req_50u, req_100u, req_200u, req_500u, req_1m, req_2m, req_5m, req_10m, req_20m, req_50m, req_100m, req_200m, req_500m, req_1s, req_2s, req_5s, req_over_5s, insert_client_port, req_track, full_proxy_put, non_http_bypass, skip_insert_client_ip, skip_insert_client_port, decompression_before, decompression_after, http_pkts_in_seq, http_pkts_retx, http_client_retx, http_server_retx, http_pkts_ofo

stats data

	Counter	Size	Description
	new_svrconn	8	Server conn made
	tcpoutrst	8	Out RSTs
	total_proxy	8	Total Proxy Conns
	fwdreq-data_fail	8	Fwd req data fail
	client_rst	8	Client RST
	svrsel_fail	8	Server selection fail
	req_retran	8	Packets retrans
	close_on_ddos	8	Close on DDoS
	req_over_limit	8	Request over limit
	noproxy	8	No proxy error
	svr_prem_close	8	Server premature close
	parsereq_fail	8	Parse req fail
	req	8	HTTP requests
	full_proxy	8	Full proxy tot
	full_proxy_put	8	Full proxy PUT
	full_proxy_fpga_err	8	Full proxy fpga err
	server_rst	8	Server RST
	notuple	8	No tuple error
	curr_proxy	8	Curr Proxy Conns
	server_resel	8	Server reselection
	req_ofo	8	Packets ofo
	full_proxy_post	8	Full proxy POST
	snat_fail	8	Source NAT failure
	req_rate_over_limit	8	Request rate over limit
	full_proxy_pipeline	8	Full proxy pipeline
	fwdreq_fail	8	Fwd req fail
	req_succ	8	HTTP requests(succ)

operational data

	Counter	Size	Description
	debug_fields	flag	debug_fields
	cpu-count	number	cpu-count
	fast-http-proxy-cpu-list		fast-http-proxy-cpu-list

2.92.18 slb fix

Show FIX Proxy Statistics

fix Specification

Type	*Configuration Resource*
Element Name	fix
Element URI	/axapi/v3/slb/fix
Element Attributes	fix_attributes
Statistics Data URI	/axapi/v3/slb/fix/stats
Operational Data URI	/axapi/v3/slb/fix/oper
Schema	`fix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fix

fix attributes

```
POST /axapi/v3/slb/fix
Payload:
{
    "fix": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/fix

fix attributes

```
GET /axapi/v3/slb/fix
Reponse:
{
    "fix": {
        "uuid": "044815d4-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/fix"
    }
}
```

Modify Object

POST

/axapi/v3/slb/fix

fix attributes

Replace Object

PUT

/axapi/v3/slb/fix

fix attributes

```
PUT /axapi/v3/slb/fix
Payload:
{
    "fix": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/fix

fix attributes

```
DELETE /axapi/v3/slb/fix
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

fix attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'svrsel_fail': Server selection failure; 'noroute': No route failure; 'snat_fail': Source NAT failure; 'client_err': Client fail; 'server_err': Server fail; 'insert_clientip': Insert client IP; 'default_switching': Default switching; 'sender_switching': Sender ID switching; 'target_switching': Target ID switching;

Type: string

Supported Values: all, curr_proxy, total_proxy, svrsel_fail, noroute, snat_fail, client_err, server_err, insert_clientip, default_switching, sender_switching, target_switching, client_tls_conn, server_tls_conn

stats data

	Counter	Size	Description
	svrsel_fail	8	Server selection failure
	de-fault_switching	8	Default switching
	total_proxy	8	Total proxy conns
	curr_proxy	8	Current proxy conns
	tar-get_switching	8	Target ID switching
	noroute	8	No route failure
	client_err	8	Client fail
	sender_switching	8	Sender ID switching
	server_err	8	Server fail
	snat_fail	8	Source NAT failure
	in-sert_clientip	8	Insert client IP
	server_tls_conn	8	Server TLS conn
	client_tls_conn	8	Client TLS conn

operational data

	Counter	Size	Description
	fix-cpu-list		fix-cpu-list
	cpu-count	number	cpu-count

2.92.19 slb ftp-ctl

Show FTP Statistics

ftp-ctl Specification

Type	*Configuration Resource*
Element Name	ftp-ctl
Element URI	/axapi/v3/slb/ftp-ctl
Element Attributes	ftp-ctl_attributes
Statistics Data URI	/axapi/v3/slb/ftp-ctl/stats
Schema	`ftp-ctl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

```
POST /axapi/v3/slb/ftp-ctl
Payload:
{
    "ftp-ctl": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

```
GET /axapi/v3/slb/ftp-ctl
Reponse:
{
    "ftp-ctl": {
        "uuid": "04482006-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/ftp-ctl"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

Replace Object

PUT

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

```
PUT /axapi/v3/slb/ftp-ctl
Payload:
{
    "ftp-ctl": {
        "sampling-enable": [
            {
                "counters1": "sessions_num"
```

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```
                }
            ]
        }
}
```

Delete Object

DELETE

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

```
DELETE /axapi/v3/slb/ftp-ctl
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp-ctl attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_num': Total Control Sessions; 'alg_pkts_num': Total ALG packets; 'alg_pkts_xmitted_num': ALG packets rexmitted; 'alg_port_helper_created': Total PORT helper sessions; 'alg_pasv_helper_created': Total PASV helper sessions; 'alg_port_helper_freed_unused': PORT helper freed unused; 'alg_pasv_helper_freed_unused': PASV helper freed unused; 'alg_port_helper_nat_free': PORT helper NAT free;

Type: string

Supported Values: all, sessions_num, alg_pkts_num, alg_pkts_xmitted_num, alg_port_helper_created, alg_pasv_helper_created, alg_port_helper_freed_unused, alg_pasv_helper_freed_unused, alg_port_helper_nat_free

stats data

	Counter	Size	Description
	alg_pkts_xmitted_num	8	ALG packets rexmitted
	alg_pasv_helper_freed_unused	8	PASV helper freed unused
	alg_pasv_helper_created	8	Total PASV helper sessions
	alg_port_helper_created	8	Total PORT helper sessions
	sessions_num	8	Total Control Sessions
	alg_port_helper_nat_free	8	PORT helper NAT free
	alg_port_helper_freed_unused	8	PORT helper freed unused
	alg_pkts_num	8	Total ALG packets

2.92.20 slb ftp-data

Show FTP Statistics

ftp-data Specification

Type	*Configuration Resource*
Element Name	ftp-data
Element URI	/axapi/v3/slb/ftp-data
Element Attributes	ftp-data_attributes
Statistics Data URI	/axapi/v3/slb/ftp-data/stats
Schema	`ftp-data schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-data

ftp-data attributes

```
POST /axapi/v3/slb/ftp-data
Payload:
{
    "ftp-data": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
```

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```
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ftp-data

ftp-data attributes

```
GET /axapi/v3/slb/ftp-data
Reponse:
{
    "ftp-data": {
        "uuid": "04481408-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/ftp-data"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ftp-data

ftp-data attributes

Replace Object

PUT

/axapi/v3/slb/ftp-data

ftp-data attributes

```
PUT /axapi/v3/slb/ftp-data
Payload:
{
    "ftp-data": {
        "sampling-enable": [
            {
                "counters1": "sessions_num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ftp-data

ftp-data attributes

```
DELETE /axapi/v3/slb/ftp-data
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp-data attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_num': Total Data Sessions; 'port_out_of_range': Drop Data Port out of range;

Type: string

Supported Values: all, sessions_num, port_out_of_range

stats data

	Counter	Size	Description
	sessions_num	8	Total Data Sessions
	port_out_of_range	8	Drop Data Port out of range

2.92.21 slb ftp-proxy

Show FTP Proxy global Statistics

ftp-proxy Specification

Type	*Configuration Resource*
Element Name	ftp-proxy
Element URI	/axapi/v3/slb/ftp-proxy
Element Attributes	ftp-proxy_attributes
Statistics Data URI	/axapi/v3/slb/ftp-proxy/stats
Operational Data URI	/axapi/v3/slb/ftp-proxy/oper
Schema	`ftp-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

```
POST /axapi/v3/slb/ftp-proxy
Payload:
{
    "ftp-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

```
GET /axapi/v3/slb/ftp-proxy
Reponse:
{
    "ftp-proxy": {
        "uuid": "0448239e-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
```

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```
        "a10-url": "/axapi/v3/slb/ftp-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

Replace Object

PUT

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

```
PUT /axapi/v3/slb/ftp-proxy
Payload:
{
    "ftp-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

```
DELETE /axapi/v3/slb/ftp-proxy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no_route; 'snat_fail': source nat failure; 'feat': feat packet; 'cc': clear ctrl port packet; 'data_ssl': data ssl force; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'auth_tls': auth tls cmd; 'prot': prot cmd; 'pbsz': pbsz cmd; 'pasv': pasv cmd; 'port': port cmd; 'request_dont_care': other cmd; 'client_auth_tls': client auth tls; 'cant_find_pasv': cant find pasv; 'pasv_addr_ne_server': psv addr not equal to svr; 'smp_create_fail': smp create fail; 'data_server_conn_fail': data svr conn fail; 'data_send_fail': data send fail; 'epsv': epsv command; 'cant_find_epsv': cant find epsv; 'data_curr': Current Data Proxy; 'data_total': Total Data Proxy; 'auth_unsupported': Unsupported auth; 'adat': adat cmd; 'unsupported_pbsz_value': Unsupported PBSZ; 'unsupported_prot_value': Unsupported PROT; 'unsupported_command': Unsupported cmd; 'control_to_clear': Control chn clear txt; 'control_to_ssl': Control chn ssl; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'data_conn_start_err': Data Start state error; 'data_serv_connecting_err': Data Serv CTNG error; 'data_serv_connected_err': Data Serv CTED error; 'request': Total FTP Request; 'auth_req': Auth Request; 'auth_succ': Auth Success; 'auth_fail': Auth Failure; 'fwd_to_internet': Forward to Internet; 'fwd_to_sg': Total Forward to Service-group; 'drop': Total FTP Drop; 'ds_succ': Host Domain Name is resolved; 'ds_fail': Host Domain Name isn't resolved; 'open': open cmd; 'site': site cmd; 'user': user cmd; 'pass': pass cmd; 'quit': quit cmd;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, feat, cc, data_ssl, line_too_long, line_mem_freed, invalid_start_line, auth_tls, prot, pbsz, pasv, port, request_dont_care, client_auth_tls, cant_find_pasv, pasv_addr_ne_server, smp_create_fail, data_server_conn_fail, data_send_fail, epsv, cant_find_epsv, data_curr, data_total, auth_unsupported, adat, unsupported_pbsz_value, unsupported_prot_value, unsupported_command, control_to_clear, control_to_ssl, bad_sequence, rsv_persist_conn_fail,

smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, data_conn_start_err, data_serv_connecting_err, data_serv_connected_err, request, auth_req, auth_succ, auth_fail, fwd_to_internet, fwd_to_sg, drop, ds_succ, ds_fail, open, site, user, pass, quit, eprt, cant_find_port, cant_find_eprt

stats data

	Counter	Size	Description
	fwd_to_internet	8	Forward to Internet
	ser_connecting_err	8	Serv CTNG state error
	svrsel_fail	8	Server selection failure
	curr	8	Current proxy conns
	unsup-ported_prot_value	8	Unsupported PROT
	cc	8	clear ctrl port packet
	request	8	Total FTP Request
	server_response_err	8	Serv RESP state error
	pass	8	pass cmd
	unsup-ported_pbsz_value	8	Unsupported PBSZ
	cant_find_pasv	8	cant find pasv
	cant_find_port	8	cant find port
	pbsz	8	pbsz cmd
	pasv	8	pasv cmd
	smp_v4_fail	8	Serv Sel SMPv4 fail
	no_route	8	no route failure
	total	8	Total proxy conns
	feat	8	feat packet
	port	8	port cmd
	data_total	8	Total Data Proxy
	auth_tls	8	auth tls cmd
	quit	8	quit cmd
	re-quest_dont_care	8	other cmd
	cl_est_err	8	Client EST state erro
	open	8	open cmd
	cl_request_err	8	Client RQ state error
	prot	8	prot cmd
	auth_fail	8	Auth Failure
	in-sert_tuple_fail	8	Serv Sel insert tuple fail
	line_mem_freed	8	request line freed
	ds_succ	8	Host Domain Name is resolved
	in-valid_start_line	8	invalid start line
	epsv	8	epsv command
	rsv_persist_conn_fail	8	Serv Sel Persist fail
	cant_find_eprt	8	cant find eprt

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Table 2.29 – continued from previous page

	Counter	Size	Description
	control_to_ssl	8	Control chn ssl
	cant_find_epsv	8	cant find epsv
	fwd_to_sg	8	Total Forward to Service-group
	user	8	user cmd
	smp_v6_fail	8	Serv Sel SMPv6 fail
	data_curr	8	Current Data Proxy
	site	8	site cmd
	auth_succ	8	Auth Success
	snat_fail	8	source nat failure
	data_ssl	8	data ssl force
	auth_req	8	Auth Request
	data_serv_connecting_err	8	Data Serv CTNG error
	auth_unsupported	8	Unsupported auth
	pasv_addr_ne_server	8	psv addr not equal to svr
	smp_create_fail	8	smp create fail
	control_to_clear	8	Control chn clear txt
	line_too_long	8	line too long
	data_serv_connected_err	8	Data Serv CTED error
	client_auth_tls	8	client auth tls
	adat	8	adat cmd
	bad_sequence	8	Bad Sequence
	unsupported_command	8	Unsupported cmd
	data_send_fail	8	data send fail
	data_conn_start_err	8	Data Start state error
	drop	8	Total FTP Drop
	data_server_conn_fail	8	data svr conn fail
	eprt	8	eprt cmd
	ds_fail	8	Host Domain Name isn't resolved

operational data

	Counter	Size	Description
	cpu-count	number	cpu-count
	ftp-proxy-cpu-list		ftp-proxy-cpu-list

2.92.22 slb generic-proxy

Show Generic Proxy Statistics

generic-proxy Specification

Type	*Configuration Resource*
Element Name	generic-proxy
Element URI	/axapi/v3/slb/generic-proxy
Element Attributes	generic-proxy_attributes
Statistics Data URI	/axapi/v3/slb/generic-proxy/stats
Operational Data URI	/axapi/v3/slb/generic-proxy/oper
Schema	`generic-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/generic-proxy

generic-proxy attributes

```
POST /axapi/v3/slb/generic-proxy
Payload:
{
    "generic-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/generic-proxy

generic-proxy attributes

```
GET /axapi/v3/slb/generic-proxy
Reponse:
{
    "generic-proxy": {
        "uuid": "04481e4e-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
```

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```
        "a10-url": "/axapi/v3/slb/generic-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/generic-proxy

generic-proxy attributes

Replace Object

PUT

/axapi/v3/slb/generic-proxy

generic-proxy attributes

```
PUT /axapi/v3/slb/generic-proxy
Payload:
{
    "generic-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/generic-proxy

generic-proxy attributes

```
DELETE /axapi/v3/slb/generic-proxy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

generic-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Number; 'curr': Current; 'total': Total; 'svrsel_fail': Number of server selection failed; 'no_route': Number of no routes; 'snat_fail': Number of snat failures; 'client_fail': Number of client failures; 'server_fail': Number of server failures; 'no_sess': Number of no sessions; 'user_session': Number of user sessions; 'acr_out': Number of ACRs out; 'acr_in': Number of ACRs in; 'aca_out': Number of ACAs out; 'aca_in': Number of ACAs in; 'cea_out': Number of CEAs out; 'cea_in': Number of CEAs in; 'cer_out': Number of CERs out; 'cer_in': Number of CERs in; 'dwr_out': Number of DWRs out; 'dwr_in': Number of DWRs in; 'dwa_out': Number of DWAs out; 'dwa_in': Number of DWAs in; 'str_out': Number of STRs out; 'str_in': Number of STRs in; 'sta_out': Number of STAs out; 'sta_in': Number of STAs in; 'asr_out': Number of ASRs out; 'asr_in': Number of ASRs in; 'asa_out': Number of ASAs out; 'asa_in': Number of ASAs in; 'other_out': Number of other messages out; 'other_in': Number of other messages in; 'total_http_req_enter_gen': Total number of HTTP requests enter generic proxy;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, client_fail, server_fail, no_sess, user_session, acr_out, acr_in, aca_out, aca_in, cea_out, cea_in, cer_out, cer_in, dwr_out, dwr_in, dwa_out, dwa_in, str_out, str_in, sta_out, sta_in, asr_out, asr_in, asa_out, asa_in, other_out, other_in, total_http_req_enter_gen, mismatch_fwd_id, mismatch_rev_id, unkwn_cmd_code, no_session_id, no_fwd_tuple, no_rev_tuple, dcmsg_fwd_in, dcmsg_fwd_out, dcmsg_rev_in, dcmsg_rev_out, dcmsg_error, retry_client_request, retry_client_request_fail, reply_unknown_session_id, ccr_out, ccr_in, cca_out, cca_in, ccr_i, ccr_u, ccr_t, cca_t, terminate_on_cca_t, forward_unknown_session_id, update_latest_server, client_select_fail, close_conn_when_vport_down, invalid_avp, reselect_fwd_tuple, reselect_fwd_tuple_other_cpu, reselect_rev_tuple, conn_closed_by_client, conn_closed_by_server, reply_invalid_avp_value, reply_unable_to_deliver, reply_error_info_fail, dpr_out, dpr_in, dpa_out, dpa_in

stats data

	Counter	Size	Description
	ccr_in	8	Number of CCRs in
	forward_unknown_session_id	8	Forward server side message with unknown session id
	svrsel_fail	8	Number of server selection failed
	curr	8	Current
	conn_closed_by_server	8	Server initiates TCP close/reset
	acr_out	8	Number of ACRs out
	dwr_in	8	Number of DWRs in
	cca_t	8	Number of CCAs terminate
	retry_client_request_fail	8	Diameter retry client request fail
	cca_in	8	Number of CCAs in
	num	8	Number
	no_route	8	Number of no routes
	conn_closed_by_client	8	Client initiates TCP close/reset
	server_fail	8	Number of server failures
	user_session	8	Number of user sessions
	dcmsg_fwd_in	8	Diameter cross cpu fwd in
	aca_out	8	Number of ACAs out
	sta_in	8	Number of STAs in
	total	8	Total
	dwa_in	8	Number of DWAs in
	no_session_id	8	Diameter no session id avp
	dwa_out	8	Number of DWAs out
	client_select_fail	8	Fail to select client
	asa_in	8	Number of ASAs in
	dcmsg_fwd_out	8	Diameter cross cpu fwd out
	reselect_fwd_tuple	8	Original client tuple does not exist so reselect another one
	retry_client_request	8	Diameter retry client request
	reply_unable_to_deliver	8	Reply with unable to deliver error info
	reselect_rev_tuple	8	Original server tuple does not exist so reselect another one
	dcmsg_error	8	Diameter cross cpu error
	asr_out	8	Number of ASRs out
	cca_out	8	Number of CCAs out
	update_latest_server	8	Update to the latest server that used a session id
	total_http_req_enter_gen	8	Total number of HTTP requests enter generic proxy
	aca_in	8	Number of ACAs in
	terminate_on_cca_t	8	Diameter terminate on cca_t
	unkwn_cmd_code	8	Diameter unkown cmd code
	dwr_out	8	Number of DWRs out
	dpa_out	8	Number of DPAs out

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Table 2.30 – continued from previous page

	Counter	Size	Description
	invalid_avp	8	AVP value contains illegal chars
	other_out	8	Number of other messages out
	cea_out	8	Number of CEAs out
	dpr_in	8	Number of DPRs in
	asr_in	8	Number of ASRs in
	re-ply_error_info_fail	8	Fail to reply error info to peer
	no_fwd_tuple	8	Diameter no fwd tuple matched
	cer_in	8	Number of CERs in
	str_in	8	Number of STRs in
	sta_out	8	Number of STAs out
	snat_fail	8	Number of snat failures
	client_fail	8	Number of client failures
	cer_out	8	Number of CERs out
	str_out	8	Number of STRs out
	dcmsg_rev_in	8	Diameter cross cpu rev in
	ccr_t	8	Number of CCRs terminate
	ccr_u	8	Number of CCRs update
	cea_in	8	Number of CEAs in
	mis-match_fwd_id	8	Diameter mismatch fwd session id
	close_conn_when_vport_down	8	Close client conn when virtual port is down
	no_rev_tuple	8	Diameter no rev tuple matched
	mis-match_rev_id	8	Diameter mismatch rev session id
	rese-lect_fwd_tuple_other_cpu	8	Original client tuple does not exist so reselect another one on other CPUs
	asa_out	8	Number of ASAs out
	dcmsg_rev_out	8	Diameter cross cpu rev out
	no_sess	8	Number of no sessions
	dpa_in	8	Number of DPAs in
	re-ply_invalid_avp_value	8	Reply with invalid AVP error info
	re-ply_unknown_session_id	8	Reply with unknown session ID error info
	ccr_out	8	Number of CCRs out
	dpr_out	8	Number of DPRs out
	other_in	8	Number of other messages in
	ccr_i	8	Number of CCRs initial
	acr_in	8	Number of ACRs in

operational data

	Counter	Size	Description
	generic-proxy-cpu-list		generic-proxy-cpu-list
	cpu-count	number	cpu-count

2.92.23 slb health-gateway

Show gateway health-check statistics

health-gateway Specification

Type	*Configuration Resource*
Element Name	health-gateway
Element URI	/axapi/v3/slb/health-gateway
Element Attributes	health-gateway_attributes
Statistics Data URI	/axapi/v3/slb/health-gateway/stats
Operational Data URI	/axapi/v3/slb/health-gateway/oper
Schema	`health-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-gateway

health-gateway attributes

Get Object

GET

/axapi/v3/slb/health-gateway

health-gateway attributes

Modify Object

POST

/axapi/v3/slb/health-gateway

health-gateway attributes

Replace Object

PUT

/axapi/v3/slb/health-gateway

health-gateway attributes

Delete Object

DELETE

/axapi/v3/slb/health-gateway

health-gateway attributes

health-gateway attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_sent': Number of Total health-check sent; 'total_retry_sent': Number of Total health-check retry sent; 'total_timeout': Number of Total health-check timeout;

Type: string

Supported Values: all, total_sent, total_retry_sent, total_timeout

stats data

	Counter	Size	Description
	total_sent	8	Number of Total health-check sent
	total_retry_sent	8	Number of Total health-check retry sent
	total_timeout	8	Number of Total health-check timeout

operational data

	Counter	Size	Description
	interval	number	interval
	enabled	number	enabled
	timeout	number	timeout

2.92.24 slb health-monitor

Display Health Monitor Information

health-monitor Specification

Type	*Configuration Resource*
Element Name	health-monitor
Element URI	/axapi/v3/slb/health-monitor
Element Attributes	health-monitor_attributes
Operational Data URI	/axapi/v3/slb/health-monitor/oper
Schema	`health-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-monitor

health-monitor attributes

Get Object

GET

/axapi/v3/slb/health-monitor

health-monitor attributes

Modify Object

POST

/axapi/v3/slb/health-monitor

health-monitor attributes

Replace Object

PUT

/axapi/v3/slb/health-monitor

health-monitor attributes

Delete Object

DELETE

/axapi/v3/slb/health-monitor

health-monitor attributes

health-monitor attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	health-monitor-list		health-monitor-list

2.92.25 slb health-stat

Show health monitor statistics

health-stat Specification

Type	*Configuration Resource*
Element Name	health-stat
Element URI	/axapi/v3/slb/health-stat
Element Attributes	health-stat_attributes
Statistics Data URI	/axapi/v3/slb/health-stat/stats
Operational Data URI	/axapi/v3/slb/health-stat/oper
Schema	`health-stat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-stat

health-stat attributes

```
POST /axapi/v3/slb/health-stat
Payload:
{
    "health-stat": {
```

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```
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/health-stat

health-stat attributes

```
GET /axapi/v3/slb/health-stat
Reponse:
{
    "health-stat": {
        "uuid": "04481ab6-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/health-stat"
    }
}
```

Modify Object

POST

/axapi/v3/slb/health-stat

health-stat attributes

Replace Object

PUT

/axapi/v3/slb/health-stat

health-stat attributes

```
PUT /axapi/v3/slb/health-stat
Payload:
{
    "health-stat": {
        "sampling-enable": [
            {
                "counters1": "num_burst"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/health-stat

health-stat attributes

```
DELETE /axapi/v3/slb/health-stat
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

health-stat attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_burst': Number of burst; 'max_jiffie': Maximum number of jiffies; 'min_jiffie': Minimum number of jiffies; 'avg_jiffie': Average number of jiffies; 'open_socket': Number of open sockets; 'open_socket_failed': Number of failed open sockets; 'close_socket': Number of closed sockets; 'connect_failed': Number of failed connections; 'send_packet': Number of packets sent; 'send_packet_failed': Number of packet send failures; 'recv_packet': Number of received packets; 'recv_packet_failed': Number of failed packet receives; 'retry_times': Retry times; 'timeout': Timouet value; 'unexpected_error': Number of unexpected errors; 'conn_imdt_succ': Number of connection immediete success; 'sock_close_before_17': Number of sockets closed before l7; 'sock_close_without_notify': Number of sockets closed without notify; 'curr_health_rate': Current health rate; 'ext_health_rate': External health rate; 'ext_health_rate_val': External health rate value; 'total_number': Total number; 'status_up': Number of status ups; 'status_down': Number of status downs; 'status_unkn': Number of status unknowns; 'status_other': Number of other status; 'running_time': Running time;

Type: string

Supported Values: all, num_burst, max_jiffie, min_jiffie, avg_jiffie, open_socket, open_socket_failed, close_socket, connect_failed, send_packet, send_packet_failed, recv_packet, recv_packet_failed, retry_times, timeout, unexpected_error, conn_imdt_succ, sock_close_before_17, sock_close_without_notify, curr_health_rate, ext_health_rate, ext_health_rate_val, total_number, status_up, status_down, status_unkn, status_other, running_time, config_health_rate, ssl_post_handshake_packet, timeout_with_packet

stats data

	Counter	Size	Description
	min_jiffie	8	Minimum number of jiffies
	connect_failed	8	Number of failed connections
	num_burst	8	Number of burst
	ext_health_rate_val	8	External health rate value
	retry_times	8	Retry times
	send_packet	8	Number of packets sent
	status_other	8	Number of other status
	unexpected_error	8	Number of unexpected errors
	config_health_rate	8	Config health rate
	ssl_post_handshake_packet	8	Number of ssl post handshake packets before client sends request
	status_down	8	Number of status downs
	recv_packet_failed	8	Number of failed packet receives
	close_socket	8	Number of closed sockets
	conn_imdt_succ	8	Number of connection immediete success
	recv_packet	8	Number of received packets
	curr_health_rate	8	Current health rate
	open_socket_failed	8	Number of failed open sockets
	send_packet_failed	8	Number of packet send failures
	sock_close_before_17	8	Number of sockets closed before l7
	timeout_with_packet	8	Number of pin timeouts while socket has packets
	total_number	8	Total number
	status_unkn	8	Number of status unknowns
	open_socket	8	Number of open sockets
	sock_close_without_notify	8	Number of sockets closed without notify
	status_up	8	Number of status ups
	running_time	8	Running time
	avg_jiffie	8	Average number of jiffies
	max_jiffie	8	Maximum number of jiffies
	ext_health_rate	8	External health rate
	timeout	8	Timouet value

operational data

	Counter	Size	Description
	num_pins_stat_down	number	num_pins_stat_down
	num_pins_stat_unkn	number	num_pins_stat_unkn
	num_pins_stat_up	number	num_pins_stat_up
	monitor	string	monitor
	num_pins_stat_else	number	num_pins_stat_else
	num_pins	number	num_pins
	clear_ssl_ticket	number	clear_ssl_ticket
	method	enum	Output contains one of the following values: - icmp, tcp, udp, http, ftp, snmp, smtp, dns, pop3, imap, sip, radius, ldap, rtsp, database, external, ntp, compound, https, kerberos-kdc, tacplus
	health-check-list		health-check-list
	num_ssl_tickets	number	num_ssl_tickets
	total_stat	number	total_stat

2.92.26 slb http2

Show http2 Statistics

http2 Specification

Type	*Configuration Resource*
Element Name	http2
Element URI	/axapi/v3/slb/http2
Element Attributes	http2_attributes
Statistics Data URI	/axapi/v3/slb/http2/stats
Operational Data URI	/axapi/v3/slb/http2/oper
Schema	`http2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http2

http2 attributes

Get Object

GET

/axapi/v3/slb/http2

http2 attributes

Modify Object

POST

/axapi/v3/slb/http2

http2 attributes

Replace Object

PUT

/axapi/v3/slb/http2

http2 attributes

Delete Object

DELETE

/axapi/v3/slb/http2

http2 attributes

http2 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'connection_preface_rcvd': Connection preface rcvd; 'control_frame': Control Frame Rcvd; 'headers_frame': HEADERS Frame Rcvd; 'continuation_frame': CONTINUATION Frame Rcvd; 'rst_frame_rcvd': RST_STREAM Frame Rcvd; 'settings_frame': SETTINGS Frame Rcvd; 'window_update_frame': WINDOW_UPDATE Frame Rcvd; 'ping_frame': PING Frame Rcvd; 'goaway_frame': GOAWAY Frame Rcvd; 'priority_frame': PRIORITY Frame Rcvd; 'data_frame': DATA Frame Recvd; 'unknown_frame': Unknown Frame Recvd; 'connection_preface_sent': Connection preface sent; 'settings_frame_sent': SETTINGS Frame Sent; 'settings_ack_sent': SETTINGS ACK Frame Sent; 'empty_settings_sent': Empty SETTINGS Frame Sent; 'ping_frame_sent': PING Frame Sent; 'window_update_frame_sent': WINDOW_UPDATE Frame Sent; 'rst_frame_sent': RST_STREAM Frame Sent; 'goaway_frame_sent': GOAWAY Frame Sent; 'header_to_app': HEADER Frame to HTTP; 'data_to_app': DATA Frame to HTTP; 'protocol_error': Protocol Error; 'internal_error': Internal Error; 'proxy_alloc_error': HTTP2 Proxy alloc Error; 'split_buff_fail': Splitting Buffer Failed; 'invalid_frame_size':

Invalid Frame Size Rcvd; 'error_max_invalid_stream': Max Invalid Stream Rcvd; 'data_no_stream': DATA Frame Rcvd on non-existent stream; 'flow_control_error': Flow Control Error; 'settings_timeout': Settings Timeout; 'frame_size_error': Frame Size Error; 'refused_stream': Refused Stream; 'cancel': cancel; 'compression_error': compression error; 'connect_error': connect error; 'enhance_your_calm': enhance your calm error; 'inadequate_security': inadequate security; 'http_1_1_required': HTTP1.1 Required; 'deflate_alloc_fail': deflate alloc fail; 'inflate_alloc_fail': inflate alloc fail; 'inflate_header_fail': Inflate Header Fail; 'bad_connection_preface': Bad Connection Preface; 'cant_allocate_control_frame': Cant allocate control frame; 'cant_allocate_settings_frame': Cant allocate SETTINGS frame; 'bad_frame_type_for_stream_state': Bad frame type for stream state; 'wrong_stream_state': Wrong Stream State; 'data_queue_alloc_error': Data Queue Alloc Error; 'buff_alloc_error': Buff alloc error; 'cant_allocate_rst_frame': Cant allocate RST_STREAM frame; 'cant_allocate_goaway_frame': Cant allocate GOAWAY frame; 'cant_allocate_ping_frame': Cant allocate PING frame; 'cant_allocate_stream': Cant allocate stream; 'cant_allocate_window_frame': Cant allocate WINDOW_UPDATE frame; 'header_no_stream': header no stream; 'header_padlen_gt_frame_payload': Header padlen greater than frame payload size; 'streams_gt_max_concur_streams': Streams greater than max allowed concurrent streams; 'idle_state_unexpected_frame': Unxpected frame received in idle state; 'reserved_local_state_unexpected_frame': Unexpected frame received in reserved local state; 'reserved_remote_state_unexpected_frame': Unexpected frame received in reserved remote state; 'half_closed_remote_state_unexpected_frame': Unexpected frame received in half closed remote state; 'closed_state_unexpected_frame': Unexpected frame received in closed state; 'zero_window_size_on_stream': Window Update with zero increment rcvd; 'exceeds_max_window_size_stream': Window Update with increment that results in exceeding max window; 'stream_closed': stream closed; 'continuation_before_headers': CONTINUATION frame with no headers frame; 'invalid_frame_during_headers': frame before headers were complete; 'headers_after_continuation': headers frame before CONTINUATION was complete; 'invalid_push_promise': unexpected PUSH_PROMISE frame; 'invalid_stream_id': received invalid stream ID; 'headers_interleaved': headers interleaved on streams; 'trailers_no_end_stream': trailers not marked as end-of-stream; 'invalid_setting_value': invalid setting-frame value; 'invalid_window_update': window-update value out of range; 'frame_header_bytes_received': frame header bytes received; 'frame_header_bytes_sent': frame header bytes sent; 'control_bytes_received': HTTP/2 control frame bytes received; 'control_bytes_sent': HTTP/2 control frame bytes sent; 'header_bytes_received': HTTP/2 header bytes received; 'header_bytes_sent': HTTP/2 header bytes sent; 'data_bytes_received': HTTP/2 data bytes received; 'data_bytes_sent': HTTP/2 data bytes sent; 'total_bytes_received': HTTP/2 total bytes received; 'total_bytes_sent': HTTP/2 total bytes sent; 'peak_proxy': Peak Proxy Conns; 'control_frame_sent': Control Frame Sent; 'continuation_frame_sent': CONTINUATION Frame Sent; 'data_frame_sent': DATA Frame Sent; 'headers_frame_sent': HEADERS Frame Sent; 'priority_frame_sent': PRIORITY Frame Sent; 'settings_ack_rcvd': SETTINGS ACK Frame Rcvd; 'empty_settings_rcvd': Empty SETTINGS Frame Rcvd; 'alloc_fail_total': Alloc Fail - Total; 'err_rcvd_total': Error Rcvd - Total; 'err_sent_total': Error Rent - Total; 'err_sent_proto_err': Error Sent - PROTOCOL_ERROR; 'err_sent_internal_err': Error Sent - INTERNAL_ERROR; 'err_sent_flow_control': Error Sent - FLOW_CONTROL_ERROR; 'err_sent_setting_timeout': Error Sent - SETTINGS_TIMEOUT; 'err_sent_stream_closed': Error Sent - STREAM_CLOSED; 'err_sent_frame_size_err': Error Sent - FRAME_SIZE_ERROR; 'err_sent_refused_stream': Error Sent - REFUSED_STREAM; 'err_sent_cancel': Error Sent - CANCEL; 'err_sent_compression_err': Error Sent - COMPRESSION_ERROR; 'err_sent_connect_err': Error Sent - CONNECT_ERROR; 'err_sent_your_calm': Error Sent - ENHANCE_YOUR_CALM; 'err_sent_inadequate_security': Error Sent - INADEQUATE_SECURITY; 'err_sent_http11_required': Error Sent - HTTP_1_1_REQUIRED;

Type: string

Supported Values: all, curr_proxy, total_proxy, connection_preface_rcvd, control_frame, headers_frame, continuation_frame, rst_frame_rcvd, settings_frame, window_update_frame, ping_frame, goaway_frame, priority_frame, data_frame, unknown_frame, connection_preface_sent, settings_frame_sent, settings_ack_sent, empty_settings_sent, ping_frame_sent, window_update_frame_sent, rst_frame_sent, goaway_frame_sent, header_to_app, data_to_app, protocol_error, internal_error, proxy_alloc_error, split_buff_fail, invalid_frame_size, error_max_invalid_stream, data_no_stream, flow_control_error, settings_timeout, frame_size_error, refused_stream, cancel, compression_error, connect_error, enhance_your_calm, inadequate_security, http_1_1_required, deflate_alloc_fail, inflate_alloc_fail, inflate_header_fail, bad_connection_preface, cant_allocate_control_frame, cant_allocate_settings_frame, bad_frame_type_for_stream_state, wrong_stream_state, data_queue_alloc_error, buff_alloc_error, cant_allocate_rst_frame, cant_allocate_goaway_frame, cant_allocate_ping_frame, cant_allocate_stream, cant_allocate_window_frame, header_no_stream, header_padlen_gt_frame_payload, streams_gt_max_concur_streams, idle_state_unexpected_frame, reserved_local_state_unexpected_frame, reserved_remote_state_unexpected_frame, half_closed_remote_state_unexpected_frame, closed_state_unexpected_frame, zero_window_size_on_stream, exceeds_max_window_size_stream, stream_closed, continuation_before_headers, invalid_frame_during_headers, headers_after_continuation, push_promise_frame_sent, invalid_push_promise, invalid_stream_id, headers_interleaved, trailers_no_end_stream, invalid_setting_value, invalid_window_update, frame_header_bytes_received, frame_header_bytes_sent, control_bytes_received, control_bytes_sent, header_bytes_received, header_bytes_sent, data_bytes_received, data_bytes_sent, total_bytes_received, total_bytes_sent, peak_proxy, control_frame_sent, continuation_frame_sent, data_frame_sent, headers_frame_sent, priority_frame_sent, settings_ack_rcvd, empty_settings_rcvd, alloc_fail_total, err_rcvd_total, err_sent_total, err_sent_proto_err, err_sent_internal_err, err_sent_flow_control, err_sent_setting_timeout, err_sent_stream_closed, err_sent_frame_size_err, err_sent_refused_stream, err_sent_cancel, err_sent_compression_err, err_sent_connect_err, err_sent_your_calm, err_sent_inadequate_security, err_sent_http11_required, http2_rejected

stats data

	Counter	Size	Description
	total_proxy	8	Total Proxy Conns
	headers_frame	8	HEADERS Frame Rcvd
	cant_allocate_ping_frame	8	Cant allocate PING frame
	err_sent_inadequate_security	8	Error Sent - INADEQUATE_SECURITY
	err_sent_frame_size_err	8	Error Sent - FRAME_SIZE_ERROR
	headers_after_continuation	8	headers frame before CONTINUATION was complete
	invalid_window_update	8	window-update value out of range
	goaway_frame	8	GOAWAY Frame Rcvd
	refused_stream	8	Refused Stream

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Table 2.32 – continued from previous page

	Counter	Size	Description
	control_frame	8	Control Frame Rcvd
	data_no_stream	8	DATA Frame Rcvd on non-existent stream
	rst_frame_rcvd	8	RST_STREAM Frame Rcvd
	half_closed_remote_state_unexpected_frame	8	Unexpected frame received in half closed remote state
	reserved_local_state_unexpected_frame	8	Unexpected frame received in reserved local state
	http_1_1_required	8	HTTP1.1 Required
	continuation_frame	8	CONTINUATION Frame Rcvd
	cant_allocate_settings_frame	8	Cant allocate SETTINGS frame
	connection_preface_sent	8	Connection preface sent
	settings_frame	8	SETTINGS Frame Rcvd
	inflate_header_fail	8	Inflate Header Fail
	streams_gt_max_concur_streams	8	Streams greater than max allowed concurrent streams
	bad_connection_preface	8	Bad Connection Preface
	error_max_invalid_stream	8	Max Invalid Stream Rcvd
	stream_closed	8	stream closed
	header_padlen_gt_frame_payload	8	Header padlen greater than frame payload size
	protocol_error	8	Protocol Error
	split_buff_fail	8	Splitting Buffer Failed
	invalid_stream_id	8	received invalid stream ID
	inflate_alloc_fail	8	inflate alloc fail
	control_frame_sent	8	Control Frame Sent
	err_sent_http11_required	8	Error Sent - HTTP_1_1_REQUIRED
	err_sent_your_calm	8	Error Sent - ENHANCE_YOUR_CALM
	trailers_no_end_stream	8	trailers not marked as end-of-stream
	wrong_stream_state	8	Wrong Stream State
	idle_state_unexpected_frame	8	Unxpected frame received in idle state
	frame_header_bytes_received	8	frame header bytes received
	unknown_frame	8	Unknown Frame Recvd
	ping_frame	8	PING Frame Rcvd
	data_bytes_sent	8	HTTP/2 data bytes sent
	header_to_app	8	HEADER Frame to HTTP
	total_bytes_sent	8	HTTP/2 total bytes sent
	peak_proxy	8	Peak Proxy Conns
	err_sent_settings_timeout	8	Error Sent - SETTINGS_TIMEOUT
	ping_frame_sent	8	PING Frame Sent

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Table 2.32 – continued from previous page

	Counter	Size	Description
	http2_rejected	8	HTTP2 Rejected
	invalid_frame_during_headers	8	frame before headers were complete
	reserved_remote_state_unexpected_frame	8	Unexpected frame received in reserved remote state
	priority_frame_sent	8	PRIORITY Frame Sent
	curr_proxy	8	Curr Proxy Conns
	deflate_alloc_fail	8	deflate alloc fail
	settings_frame_sent	8	SETTINGS Frame Sent
	compression_error	8	compression error
	settings_timeout	8	Settings Timeout
	empty_settings_rcvd	8	Empty SETTINGS Frame Rcvd
	err_sent_total	8	Error Rent - Total
	control_bytes_received	8	HTTP/2 control frame bytes received
	continuation_before_headers	8	CONTINUATION frame with no headers frame
	err_sent_stream_closed	8	Error Sent - STREAM_CLOSED
	bad_frame_type_for_stream_state	8	Bad frame type for stream state
	err_sent_refused_stream	8	Error Sent - REFUSED_STREAM
	connect_error	8	connect error
	data_frame_sent	8	DATA Frame Sent
	proxy_alloc_error	8	HTTP2 Proxy alloc Error
	cant_allocate_goaway_frame	8	Cant allocate GOAWAY frame
	err_sent_compression_err	8	Error Sent - COMPRESSION_ERROR
	buff_alloc_error	8	Buff alloc error
	window_update_frame	8	WINDOW_UPDATE Frame Rcvd
	err_sent_flow_control	8	Error Sent - FLOW_CONTROL_ERROR
	exceeds_max_window_size_stream	8	Window Update with increment that results in exceeding max window
	cant_allocate_window_frame	8	Cant allocate WINDOW_UPDATE frame
	cancel	8	cancel
	goaway_frame_sent	8	GOAWAY Frame Sent
	window_update_frame_sent	8	WINDOW_UPDATE Frame Sent
	rst_frame_sent	8	RST_STREAM Frame Sent
	invalid_frame_size	8	Invalid Frame Size Rcvd
	settings_ack_rcvd	8	SETTINGS ACK Frame Rcvd
	header_no_stream	8	header no stream

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Table 2.32 – continued from previous page

	Counter	Size	Description
	cant_allocate_control_frame	8	Cant allocate control frame
	data_queue_alloc_error	8	Data Queue Alloc Error
	empty_settings_sent	8	Empty SETTINGS Frame Sent
	internal_error	8	Internal Error
	header_bytes_sent	8	HTTP/2 header bytes sent
	frame_header_bytes_sent	8	frame header bytes sent
	err_sent_cancel	8	Error Sent - CANCEL
	continuation_frame_sent	8	CONTINUATION Frame Sent
	total_bytes_received	8	HTTP/2 total bytes received
	priority_frame	8	PRIORITY Frame Rcvd
	enhance_your_calm	8	enhance your calm error
	data_to_app	8	DATA Frame to HTTP
	cant_allocate_rst_frame	8	Cant allocate RST_STREAM frame
	inadequate_security	8	inadequate security
	flow_control_error	8	Flow Control Error
	control_bytes_sent	8	HTTP/2 control frame bytes sent
	push_promise_frame_sent	8	Push Promise Frame Sent
	closed_state_unexpected_frame	8	Unexpected frame received in closed state
	err_sent_connect_err	8	Error Sent - CONNECT_ERROR
	header_bytes_received	8	HTTP/2 header bytes received
	data_bytes_received	8	HTTP/2 data bytes received
	settings_ack_sent	8	SETTINGS ACK Frame Sent
	invalid_push_promise	8	unexpected PUSH_PROMISE frame
	connection_preface_rcvd	8	Connection preface rcvd
	zero_window_size_on_stream	8	Window Update with zero increment rcvd
	cant_allocate_stream	8	Cant allocate stream
	data_frame	8	DATA Frame Recvd
	headers_frame_sent	8	HEADERS Frame Sent
	err_rcvd_total	8	Error Rcvd - Total
	frame_size_error	8	Frame Size Error
	err_sent_internal_err	8	Error Sent - INTERNAL_ERROR
	alloc_fail_total	8	Alloc Fail - Total
	err_sent_proto_err	8	Error Sent - PROTOCOL_ERROR
	invalid_setting_value	8	invalid setting-frame value
	headers_interleaved	8	headers interleaved on streams

operational data

	Counter	Size	Description
	cpu-count	number	cpu-count
	http2-cpu-list		http2-cpu-list

2.92.27 slb http-proxy

Show HTTP Proxy global Statistics

http-proxy Specification

Type	*Configuration Resource*
Element Name	http-proxy
Element URI	/axapi/v3/slb/http-proxy
Element Attributes	http-proxy_attributes
Statistics Data URI	/axapi/v3/slb/http-proxy/stats
Operational Data URI	/axapi/v3/slb/http-proxy/oper
Schema	`http-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http-proxy

http-proxy attributes

```
POST /axapi/v3/slb/http-proxy
Payload:
{
    "http-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/http-proxy

http-proxy attributes

```
GET /axapi/v3/slb/http-proxy
Reponse:
{
    "http-proxy": {
        "uuid": "04482132-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/http-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/http-proxy

http-proxy attributes

Replace Object

PUT

/axapi/v3/slb/http-proxy

http-proxy attributes

```
PUT /axapi/v3/slb/http-proxy
Payload:
{
    "http-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/http-proxy

http-proxy attributes

```
DELETE /axapi/v3/slb/http-proxy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

http-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'req': HTTP requests; 'req_succ': HTTP requests(succ); 'noproxy': No proxy error; 'client_rst': Client RST; 'server_rst': Server RST; 'notuple': No tuple error; 'parsereq_fail': Parse req fail; 'svrsel_fail': Server selection fail; 'fwdreq_fail': Fwd req fail; 'fwdreq_fail_buff': Fwd req fail - buff; 'fwdreq_fail_rport': Fwd req fail - rport; 'fwdreq_fail_route': Fwd req fail - route; 'fwdreq_fail_persist': Fwd req fail - persist; 'fwdreq_fail_server': Fwd req fail - server; 'fwdreq_fail_tuple': Fwd req fail - tuple; 'fwdreqdata_fail': fwdreqdata_fail; 'req_retran': Packets retrans; 'req_ofo': Packets ofo; 'server_resel': Server reselection; 'svr_prem_close': Server premature close; 'new_svrconn': Server conn made; 'snat_fail': Source NAT failure; 'tcpoutrst': Out RSTs; 'full_proxy': Full proxy tot; 'full_proxy_post': Full proxy POST; 'full_proxy_pipeline': Full proxy pipeline; 'full_proxy_fpga_err': Full proxy fpga err; 'req_over_limit': Request over limit; 'req_rate_over_limit': Request rate over limit; 'l4_switching': L4 switching; 'cookie_switching': Cookie switching; 'aflex_switching': aFleX switching; 'http_policy_switching': HTTP Policy switching; 'url_switching': URL switching; 'host_switching': Host switching; 'lb_switching': Normal LB switching; 'l4_switching_ok': L4 switching (succ); 'cookie_switching_ok': Cookie switching (succ); 'aflex_switching_ok': aFleX switching (succ); 'http_policy_switching_ok': HTTP Policy switching (succ); 'url_switching_ok': URL switching (succ); 'host_switching_ok': Host switching (succ); 'lb_switching_ok': Normal LB switch. (succ); 'l4_switching_enqueue': L4 switching (enQ); 'cookie_switching_enqueue': Cookie switching (enQ); 'aflex_switching_enqueue': aFleX switching (enQ); 'http_policy_switching_enqueue': HTTP Policy switching (enQ); 'url_switching_enqueue': URL switching (enQ); 'host_switching_enqueue': Host switching (enQ); 'lb_switching_enqueue': Normal LB switch. (enQ); 'retry_503': Retry on 503; 'aflex_retry': aFleX http retry; 'aflex_lb_reselect': aFleX lb reselect; 'aflex_lb_reselect_ok': aFleX lb reselect (succ); 'client_rst_request': Client RST - request; 'client_rst_connecting': Client RST - connecting; 'client_rst_connected': Client RST - connected; 'client_rst_response': Client RST - response; 'server_rst_request': Server RST - request; 'server_rst_connecting': Server RST - connecting; 'server_rst_connected': Server RST - connected; 'server_rst_response': Server RST - response; 'invalid_header': Invalid header; 'too_many_headers': Too many headers; 'line_too_long': Line too long;

'header_name_too_long': Header name too long; 'wrong_resp_header': Wrong response header; 'header_insert': Header insert; 'header_delete': Header delete; 'insert_client_ip': Insert client IP; 'negative_req_remain': Negative request remain; 'negative_resp_remain': Negative response remain; 'large_cookie': Large cookies; 'large_cookie_header': Large cookie headers; 'huge_cookie': Huge cookies; 'huge_cookie_header': Huge cookie headers; 'parse_cookie_fail': Parse cookie fail; 'parse_setcookie_fail': Parse set-cookie fail; 'asm_cookie_fail': Assemble cookie fail; 'asm_cookie_header_fail': Asm cookie header fail; 'asm_setcookie_fail': Assemble set-cookie fail; 'asm_setcookie_header_fail': Asm set-cookie hdr fail; 'client_req_unexp_flag': Client req unexp flags; 'connecting_fin': Connecting FIN; 'connecting_fin_retrans': Connecting FIN retran; 'connecting_fin_ofo': Connecting FIN ofo; 'connecting_rst': Connecting RST; 'connecting_rst_retrans': Connecting RST retran; 'connecting_rst_ofo': Connecting RST ofo; 'connecting_ack': Connecting ACK; 'pkts_ofo': Packets ofo; 'pkts_retrans': Packets retrans; 'pkts_retrans_ack_finwait': retrans ACK FWAIT; 'pkts_retrans_fin': retrans FIN; 'pkts_retrans_rst': retrans RST; 'pkts_retrans_push': retrans PSH; 'stale_sess': Stale sess; 'server_resel_failed': Server re-select failed; 'compression_before': Tot data before compress; 'compression_after': Tot data after compress; 'response_1xx': Status code 1XX; 'response_100': Status code 100; 'response_101': Status code 101; 'response_102': Status code 102; 'response_2xx': Status code 2XX; 'response_200': Status code 200; 'response_201': Status code 201; 'response_202': Status code 202; 'response_203': Status code 203; 'response_204': Status code 204; 'response_205': Status code 205; 'response_206': Status code 206; 'response_207': Status code 207; 'response_3xx': Status code 3XX; 'response_300': Status code 300; 'response_301': Status code 301; 'response_302': Status code 302; 'response_303': Status code 303; 'response_304': Status code 304; 'response_305': Status code 305; 'response_306': Status code 306; 'response_307': Status code 307; 'response_4xx': Status code 4XX; 'response_400': Status code 400; 'response_401': Status code 401; 'response_402': Status code 402; 'response_403': Status code 403; 'response_404': Status code 404; 'response_405': Status code 405; 'response_406': Status code 406; 'response_407': Status code 407; 'response_408': Status code 408; 'response_409': Status code 409; 'response_410': Status code 410; 'response_411': Status code 411; 'response_412': Status code 412; 'response_413': Status code 413; 'response_414': Status code 414; 'response_415': Status code 415; 'response_416': Status code 416; 'response_417': Status code 417; 'response_418': Status code 418; 'response_422': Status code 422; 'response_423': Status code 423; 'response_424': Status code 424; 'response_425': Status code 425; 'response_426': Status code 426; 'response_449': Status code 449; 'response_450': Status code 450; 'response_5xx': Status code 5XX; 'response_500': Status code 500; 'response_501': Status code 501; 'response_502': Status code 502; 'response_503': Status code 503; 'response_504': Status code 504; 'response_505': Status code 505; 'response_506': Status code 506; 'response_507': Status code 507; 'response_508': Status code 508; 'response_509': Status code 509; 'response_510': Status code 510; 'response_6xx': Status code 6XX; 'response_unknown': Status code unknown; 'req_http10': Request 1.0; 'req_http11': Request 1.1; 'response_http10': Resp 1.0; 'response_http11': Resp 1.1; 'req_get': Method GET; 'req_head': Method HEAD; 'req_put': Method PUT; 'req_post': Method POST; 'req_trace': Method TRACE; 'req_options': Method OPTIONS; 'req_connect': Method CONNECT; 'req_delete': Method DELETE; 'req_unknown': Method UNKNOWN; 'req_content_len': Req content len; 'rsp_content_len': Resp content len; 'rsp_chunk': Resp chunk encoding; 'req_chunk': Req chunk encoding; 'compress_rsp': Compress req; 'compress_del_accept_enc': Compress del accept enc; 'compress_resp_already_compressed': Resp already compressed; 'compress_content_type_excluded': Compress cont type excl; 'compress_no_content_type': Compress no cont type; 'compress_resp_lt_min': Compress resp less than min; 'compress_resp_no_cl_or_ce': Compress resp no CL/CE; 'compress_ratio_too_high': Compress ratio too high; 'cache_rsp': HTTP req (cache succ); 'close_on_ddos': Close on DDoS; 'req_http10_keepalive': 1.0 Keepalive; 'req_sz_1k': Req less than equal to 1K; 'req_sz_2k': Req less than equal to 2K; 'req_sz_4k': Req less than equal to 4K;

Type: string

Supported Values: all, num, curr_proxy, total_proxy, req, req_succ, noproxy, client_rst, server_rst, notuple, parsereq_fail, svrsel_fail, fwdreq_fail, fwdreq_fail_buff, fwdreq_fail_rport, fwdreq_fail_route, fwdreq_fail_persist, fwdreq_fail_server, fwdreq_fail_tuple, fwdreqdata_fail, req_retran, req_ofo, server_resel, svr_prem_close, new_svrconn, snat_fail, tcpoutrst, full_proxy, full_proxy_post, full_proxy_pipeline, full_proxy_fpga_err, req_over_limit, req_rate_over_limit, l4_switching, cookie_switching, aflex_switching, http_policy_switching, url_switching, host_switching, lb_switching, l4_switching_ok, cookie_switching_ok, aflex_switching_ok, http_policy_switching_ok, url_switching_ok, host_switching_ok, lb_switching_ok, l4_switching_enqueue, cookie_switching_enqueue, aflex_switching_enqueue, http_policy_switching_enqueue, url_switching_enqueue, host_switching_enqueue, lb_switching_enqueue, retry_503, aflex_retry, aflex_lb_reselect, aflex_lb_reselect_ok, client_rst_request, client_rst_connecting, client_rst_connected, client_rst_response, server_rst_request, server_rst_connecting, server_rst_connected, server_rst_response, invalid_header, too_many_headers, line_too_long, header_name_too_long, wrong_resp_header, header_insert, header_delete, insert_client_ip, negative_req_remain, negative_resp_remain, large_cookie, large_cookie_header, huge_cookie, huge_cookie_header, parse_cookie_fail, parse_setcookie_fail, asm_cookie_fail, asm_cookie_header_fail, asm_setcookie_fail, asm_setcookie_header_fail, client_req_unexp_flag, connecting_fin, connecting_fin_retrans, connecting_fin_ofo, connecting_rst, connecting_rst_retrans, connecting_rst_ofo, connecting_ack, pkts_ofo, pkts_retrans, pkts_retrans_ack_finwait, pkts_retrans_fin, pkts_retrans_rst, pkts_retrans_push, stale_sess, server_resel_failed, compression_before, compression_after, response_1xx, response_100, response_101, response_102, response_2xx, response_200, response_201, response_202, response_203, response_204, response_205, response_206, response_207, response_3xx, response_300, response_301, response_302, response_303, response_304, response_305, response_306, response_307, response_4xx, response_400, response_401, response_402, response_403, response_404, response_405, response_406, response_407, response_408, response_409, response_410, response_411, response_412, response_413, response_414, response_415, response_416, response_417, response_418, response_422, response_423, response_424, response_425, response_426, response_449, response_450, response_5xx, response_500, response_501, response_502, response_503, response_504, response_505, response_506, response_507, response_508, response_509, response_510, response_6xx, response_unknown, req_http10, req_http11, response_http10, response_http11, req_get, req_head, req_put, req_post, req_trace, req_options, req_connect, req_delete, req_unknown, req_content_len, rsp_content_len, rsp_chunk, req_chunk, compress_rsp, compress_del_accept_enc, compress_resp_already_compressed, compress_content_type_excluded, compress_no_content_type, compress_resp_lt_min, compress_resp_no_cl_or_ce, compress_ratio_too_high, cache_rsp, close_on_ddos, req_http10_keepalive, req_sz_1k, req_sz_2k, req_sz_4k

counters2

Description 'req_sz_8k': Req less than equal to 8K; 'req_sz_16k': Req less than equal to 16K; 'req_sz_32k': Req less than equal to 32K; 'req_sz_64k': Req less than equal to 64K; 'req_sz_256k': Req less than equal to 256K; 'req_sz_gt_256k': Req greater than 256K; 'rsp_sz_1k': Resp less than equal to 1K; 'rsp_sz_2k': Resp less than equal to 2K; 'rsp_sz_4k': Resp less than equal to 4K; 'rsp_sz_8k': Resp less than equal to 8K; 'rsp_sz_16k': Resp less than equal to 16K; 'rsp_sz_32k': Resp less than equal to 32K; 'rsp_sz_64k': Resp less than equal to 64K; 'rsp_sz_256k': Resp less than equal to 256K; 'rsp_sz_gt_256k': Resp greater than 256K; 'chunk_sz_512': Chunk less than equal to 512; 'chunk_sz_1k': Chunk less than equal to 1K; 'chunk_sz_2k': Chunk less than equal to 2K; 'chunk_sz_4k': Chunk less than equal to 4K; 'chunk_sz_gt_4k': Chunk greater than 4K; 'pconn_connecting': pconn connecting; 'pconn_connected': pconn connected; 'pconn_connecting_failed': pconn conn failed;

'chunk_bad': Bad Chunk; 'req_10u': Rsp time less than 10u; 'req_20u': Rsp time less than 20u; 'req_50u': Rsp time less than 50u; 'req_100u': Rsp time less than 100u; 'req_200u': Rsp time less than 200u; 'req_500u': Rsp time less than 500u; 'req_1m': Rsp time less than 1m; 'req_2m': Rsp time less than 2m; 'req_5m': Rsp time less than 5m; 'req_10m': Rsp time less than 10m; 'req_20m': Rsp time less than 20m; 'req_50m': Rsp time less than 50m; 'req_100m': Rsp time less than 100m; 'req_200m': Rsp time less than 200m; 'req_500m': Rsp time less than 500m; 'req_1s': Rsp time less than 1s; 'req_2s': Rsp time less than 2s; 'req_5s': Rsp time less than 5s; 'req_over_5s': Rsp time greater than equal to 5s; 'insert_client_port': Insert client Port; 'req_track': Method TRACK; 'connect_req': Total HTTP CONNECT requests; 'req_enter_ssli': Total HTTP requests enter SSLi; 'non_http_bypass': Non-HTTP bypass;

Type: string

Supported Values: req_sz_8k, req_sz_16k, req_sz_32k, req_sz_64k, req_sz_256k, req_sz_gt_256k, rsp_sz_1k, rsp_sz_2k, rsp_sz_4k, rsp_sz_8k, rsp_sz_16k, rsp_sz_32k, rsp_sz_64k, rsp_sz_256k, rsp_sz_gt_256k, chunk_sz_512, chunk_sz_1k, chunk_sz_2k, chunk_sz_4k, chunk_sz_gt_4k, pconn_connecting, pconn_connected, pconn_connecting_failed, chunk_bad, req_10u, req_20u, req_50u, req_100u, req_200u, req_500u, req_1m, req_2m, req_5m, req_10m, req_20m, req_50m, req_100m, req_200m, req_500m, req_1s, req_2s, req_5s, req_over_5s, insert_client_port, req_track, connect_req, req_enter_ssli, non_http_bypass, decompression_before, decompression_after, req_http2, response_http2, req_timeout_retry, req_timeout_close, doh_req, doh_req_get, doh_req_post, doh_non_doh_req, doh_non_doh_req_get, doh_non_doh_req_post, doh_resp, doh_tc_resp, doh_udp_dns_req, doh_udp_dns_resp, doh_tcp_dns_req, doh_tcp_dns_resp, doh_req_send_failed, doh_resp_send_failed, doh_malloc_fail, doh_req_udp_retry, doh_req_udp_retry_fail, doh_req_tcp_retry, doh_req_tcp_retry_fail, doh_snat_failed, doh_path_not_found, doh_get_dns_arg_failed, doh_get_base64_decode_failed, doh_post_content_type_mismatch, doh_post_payload_not_found, doh_post_payload_extract_failed, doh_non_doh_method, doh_tcp_send_failed, doh_udp_send_failed, doh_query_time_out, doh_dns_query_type_a, doh_dns_query_type_aaaa, doh_dns_query_type_ns, doh_dns_query_type_cname, doh_dns_query_type_any, doh_dns_query_type_srv, doh_dns_query_type_mx, doh_dns_query_type_soa, doh_dns_query_type_others, doh_resp_setup_failed, doh_resp_header_alloc_failed, doh_resp_que_failed, doh_resp_udp_frags, doh_resp_tcp_frags, doh_serv_sel_failed, doh_retry_w_tcp, doh_get_uri_too_long, doh_post_payload_too_large, doh_dns_malformed_query, doh_dns_resp_rcode_err_format, doh_dns_resp_rcode_err_server, doh_dns_resp_rcode_err_name, doh_dns_resp_rcode_err_type, doh_dns_resp_rcode_refuse, doh_dns_resp_rcode_yxdomain, doh_dns_resp_rcode_yxrrset, doh_dns_resp_rcode_nxrrset, doh_dns_resp_rcode_notauth, doh_dns_resp_rcode_notzone, doh_dns_resp_rcode_other

stats data

	Counter	Size	Description
	new_svrconn	8	Server conn made
	doh_get_base64_decode_failed	8	DoH GET base64url decode failed
	req_sz_32k	8	Req less than equal to 32K
	total_proxy	8	Total Proxy Conns
	req_get	8	Method GET

continues on next page

Table 2.33 – continued from previous page

	Counter	Size	Description
	fwdreq-data_fail	8	fwdreqdata_fail
	re-sponse_449	8	Status code 449
	re-sponse_501	8	Status code 501
	re-sponse_500	8	Status code 500
	re-sponse_503	8	Status code 503
	re-sponse_502	8	Status code 502
	re-sponse_505	8	Status code 505
	re-sponse_504	8	Status code 504
	re-sponse_507	8	Status code 507
	re-sponse_506	8	Status code 506
	re-sponse_509	8	Status code 509
	re-sponse_508	8	Status code 508
	rsp_sz_8k	8	Resp less than equal to 8K
	req_put	8	Method PUT
	re-sponse_2xx	8	Status code 2XX
	req_over_limit	8	Request over limit
	req_sz_gt_256k	8	Req greater than 256K
	doh_post_content_type_mismatch	8	DoH POST content-type not found
	svr_prem_close	8	Server premature close
	parsereq_fail	8	Parse req fail
	doh_dns_resp_rcode_err_name	8	DoH DNS Response rcode ERR_NAME
	doh_non_doh_req_get	8	DoH non DoH GET Requests
	decompres-sion_after	8	Tot data after decompress
	re-sponse_101	8	Status code 101
	re-sponse_100	8	Status code 100
	doh_req_send_failed	8	DoH Request Send Failed
	re-sponse_102	8	Status code 102
	doh_dns_query_type_srv	8	DoH Query type SRV
	req_post	8	Method POST
	req_over_5s	8	Rsp time greater than equal to 5s
	rsp_chunk	8	Resp chunk encoding

continues on next page

Table 2.33 – continued from previous page

	Counter	Size	Description
	decompression_before	8	Tot data before decompress
	req_ofo	8	Packets ofo
	req_200m	8	Rsp time less than 200m
	chunk_sz_1k	8	Chunk less than equal to 1K
	req_500m	8	Rsp time less than 500m
	doh_resp_send_failed	8	DoH Response Send Failed
	response_6xx	8	Status code 6XX
	doh_dns_resp_rcode_notauth	8	DoH DNS Response rcode NOTAUTH
	doh_resp_tcp_frags	8	DoH TCP Frags Rcvd
	req_succ	8	HTTP requests(succ)
	doh_resp_setup_failed	8	DoH Response setup failed
	rsp_sz_32k	8	Resp less than equal to 32K
	req_100u	8	Rsp time less than 100u
	doh_req	8	DoH Requests
	req_100m	8	Rsp time less than 100m
	rsp_sz_gt_256k	8	Resp greater than 256K
	response_1xx	8	Status code 1XX
	doh_get_uri_too_long	8	DoH GET URI too long
	req_500u	8	Rsp time less than 500u
	rsp_sz_2k	8	Resp less than equal to 2K
	chunk_sz_2k	8	Chunk less than equal to 2K
	doh_resp_que_failed	8	DoH Resp queue failed
	compression_after	8	Tot data after compress
	rsp_sz_256k	8	Resp less than equal to 256K
	response_408	8	Status code 408
	client_rst	8	Client RST
	chunk_sz_512	8	Chunk less than equal to 512
	doh_non_doh_method	8	DoH Non DoH HTTP request method rcvd
	response_400	8	Status code 400
	response_401	8	Status code 401
	compression_before	8	Tot data before compress
	response_403	8	Status code 403
	response_404	8	Status code 404
	response_405	8	Status code 405
	response_406	8	Status code 406
	response_407	8	Status code 407

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Table 2.33 – continued from previous page

	Counter	Size	Description
	req_sz_4k	8	Req less than equal to 4K
	req_sz_256k	8	Req less than equal to 256K
	noproxy	8	No proxy error
	chunk_sz_gt_4k	8	Chunk greater than 4K
	doh_dns_resp_rcode_refuse	8	DoH DNS Response rcode REFUSE
	req	8	HTTP requests
	doh_tcp_send_failed	8	DoH serv TCP DNS send failed
	doh_req_tcp_retry	8	DoH TCP Retry
	req_20u	8	Rsp time less than 20u
	chunk_sz_4k	8	Chunk less than equal to 4K
	rsp_sz_64k	8	Resp less than equal to 64K
	rsp_content_len	8	Resp content len
	doh_path_not_found	8	DoH URI Path not found
	doh_dns_resp_rcode_yxrrset	8	DoH DNS Response rcode YXRRSET
	rsp_sz_1k	8	Resp less than equal to 1K
	response_5xx	8	Status code 5XX
	curr_proxy	8	Curr Proxy Conns
	doh_dns_query_type_others	8	DoH Query type Others
	response_418	8	Status code 418
	doh_udp_dns_resp	8	DoH UDP DNS Responses
	response_413	8	Status code 413
	response_412	8	Status code 412
	response_411	8	Status code 411
	response_410	8	Status code 410
	response_417	8	Status code 417
	response_416	8	Status code 416
	response_415	8	Status code 415
	response_302	8	Status code 302
	doh_non_doh_req	8	DoH non DoH Requests
	doh_req_tcp_retry_fail	8	DoH TCP Retry failed
	fwdreq_fail	8	Fwd req fail
	doh_post_payload_extract_failed	8	DoH POST payload extract failed
	doh_dns_query_type_soa	8	DoH Query type SOA
	doh_dns_query_type_ns	8	DoH Query type NS
	doh_dns_query_type_cname	8	DoH Query type CNAME
	doh_dns_query_type_a	8	DoH Query type A
	req_1s	8	Rsp time less than 1s
	doh_dns_malformed_query	8	DoH DNS Malformed Query
	req_delete	8	Method DELETE

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Table 2.33 – continued from previous page

	Counter	Size	Description
	req_sz_64k	8	Req less than equal to 64K
	doh_post_payload_too_large	8	DoH POST Payload too large
	doh_req_udp_retry	8	DoH UDP Retry
	rsp_sz_4k	8	Resp less than equal to 4K
	response_426	8	Status code 426
	response_424	8	Status code 424
	response_425	8	Status code 425
	response_422	8	Status code 422
	response_423	8	Status code 423
	doh_udp_dns_req	8	DoH UDP DNS Requests
	req_content_len	8	Req content len
	response_unknown	8	Status code unknown
	req_sz_8k	8	Req less than equal to 8K
	response_307	8	Status code 307
	response_306	8	Status code 306
	response_305	8	Status code 305
	response_304	8	Status code 304
	response_303	8	Status code 303
	req_rate_over_limit	8	Request rate over limit
	response_301	8	Status code 301
	response_300	8	Status code 300
	doh_malloc_fail	8	DoH Memory alloc failed
	response_http2	8	Resp 2.0
	req_2s	8	Rsp time less than 2s
	req_trace	8	Method TRACE
	doh_non_doh_req_post	8	DoH non DoH POST Requests
	response_4xx	8	Status code 4XX
	response_414	8	Status code 414
	req_track	8	Method TRACK
	req_2m	8	Rsp time less than 2m
	connect_req	8	Total HTTP CONNECT requests
	doh_dns_resp_rcode_other	8	DoH DNS Response rcode OTHER
	doh_tcp_dns_resp	8	DoH TCP DNS Responses

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Table 2.33 – continued from previous page

	Counter	Size	Description
	server_rst	8	Server RST
	req_10u	8	Rsp time less than 10u
	notuple	8	No tuple error
	response_3xx	8	Status code 3XX
	doh_post_payload_not_found	8	DoH POST payload not found
	snat_fail	8	Source NAT failure
	doh_udp_send_failed	8	DoH serv UDP DNS send failed
	doh_dns_resp_rcode_yxdomain	8	DoH DNS Response rcode YXDOMAIN
	req_10m	8	Rsp time less than 10m
	req_50u	8	Rsp time less than 50u
	doh_tcp_dns_req	8	DoH TCP DNS Requests
	response_409	8	Status code 409
	req_unknown	8	Method UNKNOWN
	req_1m	8	Rsp time less than 1m
	req_options	8	Method OPTIONS
	req_50m	8	Rsp time less than 50m
	doh_dns_query_type_any	8	DoH Query type ANY
	svrsel_fail	8	Server selection fail
	cache_rsp	8	HTTP req (cache succ)
	doh_dns_resp_rcode_nxrrset	8	DoH DNS Response rcode NXRRSET
	req_http2	8	Request 2.0
	req_retran	8	Packets retrans
	doh_query_time_out	8	DoH serv Query timed out
	close_on_ddos	8	Close on DDoS
	response_402	8	Status code 402
	doh_resp_udp_frags	8	DoH UDP Frags Rcvd
	doh_tc_resp	8	DoH TC Responses
	req_200u	8	Rsp time less than 200u
	response_206	8	Status code 206
	response_207	8	Status code 207
	response_204	8	Status code 204
	response_205	8	Status code 205
	response_202	8	Status code 202
	response_203	8	Status code 203
	response_200	8	Status code 200
	response_201	8	Status code 201
	rsp_sz_16k	8	Resp less than equal to 16K
	doh_dns_resp_rcode_err_server	8	DoH DNS Response rcode ERR_SERVER

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Table 2.33 – continued from previous page

	Counter	Size	Description
	req_connect	8	Method CONNECT
	req_sz_2k	8	Req less than equal to 2K
	doh_resp	8	DoH Responses
	doh_resp_header_alloc_failed	8	DoH Resp hdr alloc failed
	doh_req_udp_retry_fail	8	DoH UDP Retry failed
	req_head	8	Method HEAD
	server_resel	8	Server reselection
	req_sz_16k	8	Req less than equal to 16K
	doh_req_get	8	DoH GET Requests
	doh_get_dns_arg_failed	8	DoH GET dns arg not found in uri
	response_510	8	Status code 510
	doh_snat_failed	8	DoH Source NAT failed
	doh_dns_resp_rcode_err_format	8	DoH DNS Response rcode ERR_FORMAT
	doh_req_post	8	DoH POST Requests
	doh_serv_sel_failed	8	DoH Server Select Failed
	doh_dns_resp_rcode_err_type	8	DoH DNS Response rcode ERR_TYPE
	response_450	8	Status code 450
	doh_dns_resp_rcode_notzone	8	DoH DNS Response rcode NOTZONE
	req_5m	8	Rsp time less than 5m
	doh_dns_query_type_mx	8	DoH Query type MX
	req_sz_1k	8	Req less than equal to 1K
	doh_retry_w_tcp	8	DoH Retry with TCP SG
	req_20m	8	Rsp time less than 20m
	req_5s	8	Rsp time less than 5s
	doh_dns_query_type_aaaa	8	DoH Query type AAAA
	req_enter_ssli	8	Total HTTP requests enter SSLi

operational data

	Counter	Size	Description
	debug_fields	flag	debug_fields
	http-proxy-cpu-list		http-proxy-cpu-list
	cpu-count	number	cpu-count

2.92.28 slb hw-compress

Show HW compression Statistics

hw-compress Specification

Type	*Configuration Resource*
Element Name	hw-compress
Element URI	/axapi/v3/slb/hw-compress
Element Attributes	hw-compress_attributes
Statistics Data URI	/axapi/v3/slb/hw-compress/stats
Operational Data URI	/axapi/v3/slb/hw-compress/oper
Schema	`hw-compress schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/hw-compress

hw-compress attributes

```
POST /axapi/v3/slb/hw-compress
Payload:
{
    "hw-compress": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/hw-compress

hw-compress attributes

```
GET /axapi/v3/slb/hw-compress
Reponse:
{
    "hw-compress": {
        "uuid": "04481a0c-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
```

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```
        "a10-url": "/axapi/v3/slb/hw-compress"
    }
}
```

Modify Object

POST

/axapi/v3/slb/hw-compress

hw-compress attributes

Replace Object

PUT

/axapi/v3/slb/hw-compress

hw-compress attributes

```
PUT /axapi/v3/slb/hw-compress
Payload:
{
    "hw-compress": {
        "sampling-enable": [
            {
                "counters1": "request_count"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/hw-compress

hw-compress attributes

```
DELETE /axapi/v3/slb/hw-compress
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

hw-compress attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request_count': Total request count; 'submit_count': Total submit count; 'response_count': Total response count; 'failure_count': Total failure count; 'failure_code': Last failure code; 'ring_full_count': Compression queue full; 'max_outstanding_request_count': Max queued request count; 'max_outstanding_submit_count': Max queued submit count;

Type: string

Supported Values: all, request_count, submit_count, response_count, failure_count, failure_code, ring_full_count, max_outstanding_request_count, max_outstanding_submit_count

stats data

	Counter	Size	Description
	max_outstanding_request_count	2	Max queued request count
	failure_count	2	Total failure count
	response_count	2	Total response count
	ring_full_count	2	Compression queue full
	submit_count	2	Total submit count
	request_count	2	Total request count
	max_outstanding_submit_count	2	Max queued submit count
	failure_code	2	Last failure code

operational data

	Counter	Size	Description
	l4-cpu-list		l4-cpu-list
	cpu-count	number	cpu-count
	hw-compress-disabled	number	hw-compress-disabled

2.92.29 slb icap

Show ICAP Statistics

icap Specification

Type	*Configuration Resource*
Element Name	icap
Element URI	/axapi/v3/slb/icap
Element Attributes	icap_attributes
Statistics Data URI	/axapi/v3/slb/icap/stats
Operational Data URI	/axapi/v3/slb/icap/oper
Schema	`icap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/icap

icap attributes

```
POST /axapi/v3/slb/icap
Payload:
{
    "icap": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/icap

icap attributes

```
GET /axapi/v3/slb/icap
Reponse:
{
    "icap": {
        "uuid": "0448184a-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/icap"
    }
}
```

Modify Object

POST

/axapi/v3/slb/icap

icap attributes

Replace Object

PUT

/axapi/v3/slb/icap

icap attributes

```
PUT /axapi/v3/slb/icap
Payload:
{
    "icap": {
        "sampling-enable": [
            {
                "counters1": "reqmod_request"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/icap

icap attributes

```
DELETE /axapi/v3/slb/icap
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icap attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'reqmod_request': Reqmod Request Stats; 'respmod_request': Respmod Request Stats; 'reqmod_request_after_100': Reqmod Request Sent After 100 Cont Stats; 'respmod_request_after_100': Respmod Request Sent After 100 Cont Stats; 'reqmod_response': Reqmod Response Stats; 'respmod_response': Respmod Response Stats; 'reqmod_response_after_100': Reqmod Response After 100 Cont Stats; 'respmod_response_after_100': Respmod Response After 100 Cont Stats; 'chunk_no_allow_204': Chunk so no Allow 204 Stats; 'len_exceed_no_allow_204': Length Exceeded so no Allow 204 Stats; 'result_continue': Result Continue Stats; 'result_icap_response': Result ICAP Response Stats; 'result_100_continue': Result 100 Continue Stats; 'result_other': Result Other Stats; 'status_2xx': Status 2xx Stats; 'status_200': Status 200 Stats; 'status_201': Status 201 Stats; 'status_202': Status 202 Stats; 'status_203': Status 203 Stats; 'status_204': Status 204 Stats; 'status_205': Status 205 Stats; 'status_206': Status 206 Stats; 'status_207': Status 207 Stats; 'status_1xx': Status 1xx Stats; 'status_100': Status 100 Stats; 'status_101': Status 101 Stats; 'status_102': Status 102 Stats; 'status_3xx': Status 3xx Stats; 'status_300': Status 300 Stats; 'status_301': Status 301 Stats; 'status_302': Status 302 Stats; 'status_303': Status 303 Stats; 'status_304': Status 304 Stats; 'status_305': Status 305 Stats; 'status_306': Status 306 Stats; 'status_307': Status 307 Stats; 'status_4xx': Status 4xx Stats; 'status_400': Status 400 Stats; 'status_401': Status 401 Stats; 'status_402': Status 402 Stats; 'status_403': Status 403 Stats; 'status_404': Status 404 Stats; 'status_405': Status 405 Stats; 'status_406': Status 406 Stats; 'status_407': Status 407 Stats; 'status_408': Status 408 Stats; 'status_409': Status 409 Stats; 'status_410': Status 410 Stats; 'status_411': Status 411 Stats; 'status_412': Status 412 Stats; 'status_413': Status 413 Stats; 'status_414': Status 414 Stats; 'status_415': Status 415 Stats; 'status_416': Status 416 Stats; 'status_417': Status 417 Stats; 'status_418': Status 418 Stats; 'status_419': Status 419 Stats; 'status_420': Status 420 Stats; 'status_422': Status 422 Stats; 'status_423': Status 423 Stats; 'status_424': Status 424 Stats; 'status_425': Status 425 Stats; 'status_426': Status 426 Stats; 'status_449': Status 449 Stats; 'status_450': Status 450 Stats; 'status_5xx': Status 5xx Stats; 'status_500': Status 500 Stats; 'status_501': Status 501 Stats; 'status_502': Status 502 Stats; 'status_503': Status 503 Stats; 'status_504': Status 504 Stats; 'status_505': Status 505 Stats; 'status_506': Status 506 Stats; 'status_507': Status 507 Stats; 'status_508': Status 508 Stats; 'status_509': Status 509 Stats; 'status_510': Status 510 Stats; 'status_6xx': Status 6xx Stats; 'status_unknown': Status Unknown Stats; 'send_option_req':

Send Option Req Stats; 'app_serv_conn_no_pcb_err': App Server Conn no ES PCB Err Stats; 'app_serv_conn_err': App Server Conn Err Stats; 'chunk1_hdr_err': Chunk Hdr Err1 Stats; 'chunk2_hdr_err': Chunk Hdr Err2 Stats; 'chunk_bad_trail_err': Chunk Bad Trail Err Stats; 'no_payload_next_buff_err': No Payload In Next Buff Err Stats; 'no_payload_buff_err': No Payload Buff Err Stats; 'resp_hdr_incomplete_err': Resp Hdr Incomplete Err Stats; 'serv_sel_fail_err': Server Select Fail Err Stats; 'start_icap_conn_fail_err': Start ICAP conn fail Stats; 'prep_req_fail_err': Prepare ICAP req fail Err Stats; 'icap_ver_err': ICAP Ver Err Stats; 'icap_line_err': ICAP Line Err Stats; 'encap_hdr_incomplete_err': Encap HDR Incomplete Err Stats; 'no_icap_resp_err': No ICAP Resp Err Stats; 'resp_line_read_err': Resp Line Read Err Stats; 'resp_line_parse_err': Resp Line Parse Err Stats; 'resp_hdr_err': Resp Hdr Err Stats; 'req_hdr_incomplete_err': Req Hdr Incomplete Err Stats; 'no_status_code_err': No Status Code Err Stats; 'http_resp_line_read_err': HTTP Response Line Read Err Stats; 'http_resp_line_parse_err': HTTP Response Line Parse Err Stats; 'http_resp_hdr_err': HTTP Resp Hdr Err Stats; 'recv_option_resp': Send Option Req Stats;

Type: string

Supported Values: all, reqmod_request, respmod_request, reqmod_request_after_100, respmod_request_after_100, reqmod_response, respmod_response, reqmod_response_after_100, respmod_response_after_100, chunk_no_allow_204, len_exceed_no_allow_204, result_continue, result_icap_response, result_100_continue, result_other, status_2xx, status_200, status_201, status_202, status_203, status_204, status_205, status_206, status_207, status_1xx, status_100, status_101, status_102, status_3xx, status_300, status_301, status_302, status_303, status_304, status_305, status_306, status_307, status_4xx, status_400, status_401, status_402, status_403, status_404, status_405, status_406, status_407, status_408, status_409, status_410, status_411, status_412, status_413, status_414, status_415, status_416, status_417, status_418, status_419, status_420, status_422, status_423, status_424, status_425, status_426, status_449, status_450, status_5xx, status_500, status_501, status_502, status_503, status_504, status_505, status_506, status_507, status_508, status_509, status_510, status_6xx, status_unknown, send_option_req, app_serv_conn_no_pcb_err, app_serv_conn_err, chunk1_hdr_err, chunk2_hdr_err, chunk_bad_trail_err, no_payload_next_buff_err, no_payload_buff_err, resp_hdr_incomplete_err, serv_sel_fail_err, start_icap_conn_fail_err, prep_req_fail_err, icap_ver_err, icap_line_err, encap_hdr_incomplete_err, no_icap_resp_err, resp_line_read_err, resp_line_parse_err, resp_hdr_err, req_hdr_incomplete_err, no_status_code_err, http_resp_line_read_err, http_resp_line_parse_err, http_resp_hdr_err, recv_option_resp

stats data

	Counter	Size	Description
	no_payload_buff_err	8	No Payload Buff Err Stats
	prep_req_fail_err	8	Prepare ICAP req fail Err Stats
	resp_hdr_err	8	Resp Hdr Err Stats
	resp_line_parse_err	8	Resp Line Parse Err Stats
	app_serv_conn_no_pcb_err	8	App Server Conn no ES PCB Err Stats
	status_450	8	Status 450 Stats
	status_510	8	Status 510 Stats
	encap_hdr_incomplete_err	8	Encap HDR Incomplete Err Stats
	chunk_no_allow_204	8	Chunk so no Allow 204 Stats
	http_resp_line_parse_err	8	HTTP Response Line Parse Err Stats

continues on next page

Table 2.34 – continued from previous page

	Counter	Size	Description
	status_207	8	Status 207 Stats
	status_206	8	Status 206 Stats
	status_205	8	Status 205 Stats
	status_204	8	Status 204 Stats
	status_203	8	Status 203 Stats
	status_202	8	Status 202 Stats
	status_201	8	Status 201 Stats
	status_200	8	Status 200 Stats
	no_status_code_err	8	No Status Code Err Stats
	resp_hdr_incomplete_err	8	Resp Hdr Incomplete Err Stats
	respmod_request_after_100	8	Respmod Request Sent After 100 Cont Stats
	reqmod_response	8	Reqmod Response Stats
	status_406	8	Status 406 Stats
	reqmod_response_after_100	8	Reqmod Response After 100 Cont Stats
	status_4xx	8	Status 4xx Stats
	no_payload_next_buff_err	8	No Payload In Next Buff Err Stats
	status_3xx	8	Status 3xx Stats
	reqmod_request	8	Reqmod Request Stats
	recv_option_resp	8	Send Option Req Stats
	no_icap_resp_err	8	No ICAP Resp Err Stats
	respmod_request	8	Respmod Request Stats
	app_serv_conn_err	8	App Server Conn Err Stats
	result_continue	8	Result Continue Stats
	len_exceed_no_allow_204	8	Length Exceeded so no Allow 204 Stats
	status_306	8	Status 306 Stats
	chunk_bad_trail_err	8	Chunk Bad Trail Err Stats
	status_304	8	Status 304 Stats
	status_305	8	Status 305 Stats
	status_302	8	Status 302 Stats
	status_303	8	Status 303 Stats
	status_300	8	Status 300 Stats
	status_301	8	Status 301 Stats
	start_icap_conn_fail_err	8	Start ICAP conn fail Stats
	chunk2_hdr_err	8	Chunk Hdr Err2 Stats
	result_100_continue	8	Result 100 Continue Stats
	status_unknown	8	Status Unknown Stats
	result_other	8	Result Other Stats
	status_307	8	Status 307 Stats
	respmod_response_after_100	8	Respmod Response After 100 Cont Stats
	status_412	8	Status 412 Stats

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Table 2.34 – continued from previous page

	Counter	Size	Description
	status_413	8	Status 413 Stats
	status_410	8	Status 410 Stats
	status_411	8	Status 411 Stats
	status_416	8	Status 416 Stats
	status_417	8	Status 417 Stats
	status_414	8	Status 414 Stats
	status_415	8	Status 415 Stats
	status_418	8	Status 418 Stats
	status_419	8	Status 419 Stats
	status_100	8	Status 100 Stats
	status_101	8	Status 101 Stats
	status_102	8	Status 102 Stats
	re-sult_icap_response	8	Result ICAP Response Stats
	send_option_req	8	Send Option Req Stats
	http_resp_line_read_err	8	HTTP Response Line Read Err Stats
	status_6xx	8	Status 6xx Stats
	status_5xx	8	Status 5xx Stats
	http_resp_hdr_err	8	HTTP Resp Hdr Err Stats
	status_401	8	Status 401 Stats
	status_400	8	Status 400 Stats
	status_403	8	Status 403 Stats
	status_402	8	Status 402 Stats
	status_405	8	Status 405 Stats
	status_404	8	Status 404 Stats
	status_407	8	Status 407 Stats
	status_2xx	8	Status 2xx Stats
	status_409	8	Status 409 Stats
	status_408	8	Status 408 Stats
	resp-mod_response	8	Respmod Response Stats
	req-mod_request_after_100	8	Reqmod Request Sent After 100 Cont Stats
	resp_line_read_err	8	Resp Line Read Err Stats
	req_hdr_incomplete_err	8	Req Hdr Incomplete Err Stats
	status_1xx	8	Status 1xx Stats
	icap_ver_err	8	ICAP Ver Err Stats
	serv_sel_fail_err	8	Server Select Fail Err Stats
	chunk1_hdr_err	8	Chunk Hdr Err1 Stats
	icap_line_err	8	ICAP Line Err Stats
	status_423	8	Status 423 Stats
	status_422	8	Status 422 Stats
	status_420	8	Status 420 Stats
	status_426	8	Status 426 Stats
	status_425	8	Status 425 Stats
	status_424	8	Status 424 Stats
	status_508	8	Status 508 Stats
	status_509	8	Status 509 Stats

continues on next page

Table 2.34 – continued from previous page

	Counter	Size	Description
	status_500	8	Status 500 Stats
	status_501	8	Status 501 Stats
	status_502	8	Status 502 Stats
	status_503	8	Status 503 Stats
	status_504	8	Status 504 Stats
	status_505	8	Status 505 Stats
	status_506	8	Status 506 Stats
	status_507	8	Status 507 Stats
	status_449	8	Status 449 Stats

operational data

	Counter	Size	Description
	icap-cpu-list		icap-cpu-list
	cpu-count	number	cpu-count

2.92.30 slb icap_http

Show ICAP Statistics

icap_http Specification

Type	*Configuration Resource*
Element Name	icap_http
Element URI	/axapi/v3/slb/icap_http
Element Attributes	icap_http_attributes
Statistics Data URI	/axapi/v3/slb/icap_http/stats
Operational Data URI	/axapi/v3/slb/icap_http/oper
Schema	`icap_http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/icap_http

icap_http attributes

```
POST /axapi/v3/slb/icap_http
Payload:
{
    "icap_http": {
        "sampling-enable": [
```

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```
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/icap_http

icap_http attributes

```
GET /axapi/v3/slb/icap_http
Reponse:
{
    "icap_http": {
        "uuid": "044818e0-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/icap_http"
    }
}
```

Modify Object

POST

/axapi/v3/slb/icap_http

icap_http attributes

Replace Object

PUT

/axapi/v3/slb/icap_http

icap_http attributes

```
PUT /axapi/v3/slb/icap_http
Payload:
{
    "icap_http": {
        "sampling-enable": [
            {
                "counters1": "status_200"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/icap_http

icap_http attributes

```
DELETE /axapi/v3/slb/icap_http
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icap_http attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'status_200': Status code 200; 'status_201': Status code 201; 'status_202': Status code 202; 'status_203': Status code 203; 'status_204': Status code 204; 'status_205': Status code 205; 'status_206': Status code 206; 'status_207': Status code 207; 'status_100': Status code 100; 'status_101': Status code 101; 'status_102': Status code 102; 'status_300': Status code 300; 'status_301': Status code 301; 'status_302': Status code 302; 'status_303': Status code 303; 'status_304': Status code 304; 'status_305': Status code 305; 'status_306': Status code 306; 'status_307': Status code 307; 'status_400': Status code 400; 'status_401': Status code 401; 'status_402': Status code 402; 'status_403': Status code 403; 'status_404': Status code 404; 'status_405': Status code 405; 'status_406': Status code 406; 'status_407': Status code 407; 'status_408': Status code 408; 'status_409': Status code 409; 'status_410': Status code 410; 'status_411': Status code 411; 'status_412': Status code 412; 'status_413': Status code 413; 'status_414': Status code 414; 'status_415': Status code 415; 'status_416': Status code 416; 'status_417': Status code 417; 'status_418': Status code 418; 'status_422': Status code 422; 'status_423': Status code 423; 'status_424': Status code 424; 'status_425': Status code 425; 'status_426': Status code 426; 'status_449': Status code 449; 'status_450': Status code 450; 'status_500': Status code 500; 'status_501': Status code 501; 'status_502': Status code 502; 'status_503': Status code 503; 'status_504': Status code 504;

'status_505': Status code 505; 'status_506': Status code 506; 'status_507': Status code 507; 'status_508': Status code 508; 'status_509': Status code 509; 'status_510': Status code 510; 'status_1xx': status code 1XX; 'status_2xx': status code 2XX; 'status_3xx': status code 3XX; 'status_4xx': status code 4XX; 'status_5xx': status code 5XX; 'status_6xx': status code 6XX; 'status_unknown': Status code unknown;

Type: string

Supported Values: all, status_200, status_201, status_202, status_203, status_204, status_205, status_206, status_207, status_100, status_101, status_102, status_300, status_301, status_302, status_303, status_304, status_305, status_306, status_307, status_400, status_401, status_402, status_403, status_404, status_405, status_406, status_407, status_408, status_409, status_410, status_411, status_412, status_413, status_414, status_415, status_416, status_417, status_418, status_422, status_423, status_424, status_425, status_426, status_449, status_450, status_500, status_501, status_502, status_503, status_504, status_505, status_506, status_507, status_508, status_509, status_510, status_1xx, status_2xx, status_3xx, status_4xx, status_5xx, status_6xx, status_unknown

stats data

	Counter	Size	Description
	status_423	2	Status code 423
	status_422	2	Status code 422
	status_510	2	Status code 510
	status_1xx	2	status code 1XX
	status_450	2	Status code 450
	status_412	2	Status code 412
	status_413	2	Status code 413
	status_410	2	Status code 410
	status_411	2	Status code 411
	status_416	2	Status code 416
	status_417	2	Status code 417
	status_414	2	Status code 414
	status_415	2	Status code 415
	status_418	2	Status code 418
	status_unknown	2	Status code unknown
	status_100	2	Status code 100
	status_101	2	Status code 101
	status_102	2	Status code 102
	status_426	2	Status code 426
	status_425	2	Status code 425
	status_424	2	Status code 424
	status_508	2	Status code 508
	status_2xx	2	status code 2XX
	status_509	2	Status code 509
	status_4xx	2	status code 4XX
	status_207	2	Status code 207
	status_206	2	Status code 206
	status_205	2	Status code 205

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Table 2.35 – continued from previous page

	Counter	Size	Description
	status_204	2	Status code 204
	status_203	2	Status code 203
	status_202	2	Status code 202
	status_201	2	Status code 201
	status_200	2	Status code 200
	status_306	2	Status code 306
	status_307	2	Status code 307
	status_304	2	Status code 304
	status_305	2	Status code 305
	status_302	2	Status code 302
	status_303	2	Status code 303
	status_300	2	Status code 300
	status_301	2	Status code 301
	status_401	2	Status code 401
	status_400	2	Status code 400
	status_403	2	Status code 403
	status_402	2	Status code 402
	status_405	2	Status code 405
	status_404	2	Status code 404
	status_407	2	Status code 407
	status_406	2	Status code 406
	status_409	2	Status code 409
	status_408	2	Status code 408
	status_502	2	Status code 502
	status_503	2	Status code 503
	status_504	2	Status code 504
	status_505	2	Status code 505
	status_506	2	Status code 506
	status_507	2	Status code 507
	status_500	2	Status code 500
	status_6xx	2	status code 6XX
	status_501	2	Status code 501
	status_449	2	Status code 449
	status_5xx	2	status code 5XX
	status_3xx	2	status code 3XX

operational data

	Counter	Size	Description
	cpu-count	number	cpu-count
	icap_http-cpu-list		icap_http-cpu-list

2.92.31 slb imap-proxy

Show IMAP Proxy global Statistics

imap-proxy Specification

Type	*Configuration Resource*
Element Name	imap-proxy
Element URI	/axapi/v3/slb/imap-proxy
Element Attributes	imap-proxy_attributes
Statistics Data URI	/axapi/v3/slb/imap-proxy/stats
Operational Data URI	/axapi/v3/slb/imap-proxy/oper
Schema	`imap-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/imap-proxy

imap-proxy attributes

```
POST /axapi/v3/slb/imap-proxy
Payload:
{
    "imap-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/imap-proxy

imap-proxy attributes

```
GET /axapi/v3/slb/imap-proxy
Reponse:
{
    "imap-proxy": {
        "uuid": "04482434-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
```

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```
        "a10-url": "/axapi/v3/slb/imap-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/imap-proxy

imap-proxy attributes

Replace Object

PUT

/axapi/v3/slb/imap-proxy

imap-proxy attributes

```
PUT /axapi/v3/slb/imap-proxy
Payload:
{
    "imap-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/imap-proxy

imap-proxy attributes

```
DELETE /axapi/v3/slb/imap-proxy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

imap-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'feat': feat packet; 'cc': clear ctrl port packet; 'data_ssl': data ssl force; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'auth_tls': auth tls cmd; 'prot': prot cmd; 'pbsz': pbsz cmd; 'pasv': pasv cmd; 'port': port cmd; 'request_dont_care': other cmd; 'client_auth_tls': client auth tls; 'cant_find_pasv': cant find pasv; 'pasv_addr_ne_server': psv addr not equal to svr; 'smp_create_fail': smp create fail; 'data_server_conn_fail': data svr conn fail; 'data_send_fail': data send fail; 'epsv': epsv command; 'cant_find_epsv': cant find epsv; 'data_curr': Current Data Proxy; 'data_total': Total Data Proxy; 'auth_unsupported': Unsupported auth; 'adat': adat cmd; 'unsupported_pbsz_value': Unsupported PBSZ; 'unsupported_prot_value': Unsupported PROT; 'unsupported_command': Unsupported cmd; 'control_to_clear': Control chn clear txt; 'control_to_ssl': Control chn ssl; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'data_conn_start_err': Data Start state error; 'data_serv_connecting_err': Data Serv CTNG error; 'data_serv_connected_err': Data Serv CTED error; 'request': Total FTP Request; 'capability': Capability cmd; 'start_tls': Total Start TLS cmd; 'login': Total Login cmd;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, feat, cc, data_ssl, line_too_long, line_mem_freed, invalid_start_line, auth_tls, prot, pbsz, pasv, port, request_dont_care, client_auth_tls, cant_find_pasv, pasv_addr_ne_server, smp_create_fail, data_server_conn_fail, data_send_fail, epsv, cant_find_epsv, data_curr, data_total, auth_unsupported, adat, unsupported_pbsz_value, unsupported_prot_value, unsupported_command, control_to_clear, control_to_ssl, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, data_conn_start_err, data_serv_connecting_err,

data_serv_connected_err, request, capability, start_tls, login, realloc_error, alloc_error, boundary_error, negative_error

stats data

	Counter	Size	Description
	ser_connecting_err	8	Serv CTNG state error
	svrsel_fail	8	Server selection failure
	curr	8	Current proxy conns
	unsup-ported_prot_value	8	Unsupported PROT
	cc	8	clear ctrl port packet
	request	8	Total FTP Request
	server_response_err	8	Serv RESP state error
	unsup-ported_pbsz_value	8	Unsupported PBSZ
	cant_find_pasv	8	cant find pasv
	pbsz	8	pbsz cmd
	pasv	8	pasv cmd
	num	8	Num
	no_route	8	no route failure
	total	8	Total proxy conns
	feat	8	feat packet
	port	8	port cmd
	data_total	8	Total Data Proxy
	auth_tls	8	auth tls cmd
	capability	8	Capability cmd
	re-quest_dont_care	8	other cmd
	cl_est_err	8	Client EST state erro
	cl_request_err	8	Client RQ state error
	prot	8	prot cmd
	in-sert_tuple_fail	8	Serv Sel insert tuple fail
	line_mem_freed	8	request line freed
	start_tls	8	Total Start TLS cmd
	in-valid_start_line	8	invalid start line
	epsv	8	epsv command
	rsv_persist_conn_fail	8	Serv Sel Persist fail
	con-trol_to_ssl	8	Control chn ssl
	cant_find_epsv	8	cant find epsv
	smp_v6_fail	8	Serv Sel SMPv6 fail
	data_curr	8	Current Data Proxy
	bound-ary_error	8	Boundary error
	snat_fail	8	source nat failure
	data_ssl	8	data ssl force

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	Counter	Size	Description
	data_serv_connecting_err	8	Data Serv CTNG error
	login	8	Total Login cmd
	auth_unsupported	8	Unsupported auth
	pasv_addr_ne_server	8	psv addr not equal to svr
	smp_create_fail	8	smp create fail
	control_to_clear	8	Control chn clear txt
	line_too_long	8	line too long
	data_serv_connected_err	8	Data Serv CTED error
	client_auth_tls	8	client auth tls
	adat	8	adat cmd
	negative_error	8	Negative error
	bad_sequence	8	Bad Sequence
	unsupported_command	8	Unsupported cmd
	realloc_error	8	Realloc error
	data_send_fail	8	data send fail
	data_conn_start_err	8	Data Start state error
	smp_v4_fail	8	Serv Sel SMPv4 fail
	data_server_conn_fail	8	data svr conn fail
	alloc_error	8	Alloc error

operational data

	Counter	Size	Description
	imap-proxy-cpu-list		imap-proxy-cpu-list
	cpu-count	number	cpu-count

2.92.32 slb ip-dns-cache

Display ip dns cache

ip-dns-cache Specification

Type	*Configuration Resource*
Element Name	ip-dns-cache
Element URI	/axapi/v3/slb/ip-dns-cache
Element Attributes	ip-dns-cache_attributes
Operational Data URI	/axapi/v3/slb/ip-dns-cache/oper
Schema	`ip-dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

Get Object

GET

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

Modify Object

POST

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

Delete Object

DELETE

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

ip-dns-cache attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	domain-ip-list		domain-ip-list

2.92.33 slb l4

Show L4 Statistics

l4 Specification

Type	*Configuration Resource*
Element Name	l4
Element URI	/axapi/v3/slb/l4
Element Attributes	l4_attributes
Statistics Data URI	/axapi/v3/slb/l4/stats
Operational Data URI	/axapi/v3/slb/l4/oper
Schema	`l4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/l4

l4 attributes

```
POST /axapi/v3/slb/l4
Payload:
{
    "l4": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/l4

l4 attributes

```
GET /axapi/v3/slb/l4
Reponse:
{
    "l4": {
        "uuid": "04482272-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
```

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```
        "a10-url": "/axapi/v3/slb/l4"
    }
}
```

Modify Object

POST

/axapi/v3/slb/l4

l4 attributes

Replace Object

PUT

/axapi/v3/slb/l4

l4 attributes

```
PUT /axapi/v3/slb/l4
Payload:
{
    "l4": {
        "sampling-enable": [
            {
                "counters1": "intcp"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/l4

l4 attributes

```
DELETE /axapi/v3/slb/l4
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

l4 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'intcp': TCP received; 'synreceived': TCP SYN received; 'tcp_fwd_last_ack': L4 rcv fwd last ACK; 'tcp_rev_last_ack': L4 rcv rev last ACK; 'tcp_rev_fin': L4 rcv rev FIN; 'tcp_fwd_fin': L4 rcv fwd FIN; 'tcp_fwd_ackfin': L4 rcv fwd FIN|ACK; 'inudp': UDP received; 'syncookiessent': TCP SYN cookie snt; 'syncookiessent_ts': TCP SYN cookie snt ts; 'syncookiessentfailed': TCP SYN cookie snt fail; 'outrst': TCP out RST; 'outrst_nosyn': TCP out RST no SYN; 'outrst_broker': TCP out RST L4 proxy; 'outrst_ack_attack': TCP out RST ACK attack; 'outrst_aflex': TCP out RST aFleX; 'outrst_stale_sess': TCP out RST stale sess; 'syn_stale_sess': SYN stale sess drop; 'outrst_tcpproxy': TCP out RST TCP proxy; 'svrselfail': Server sel failure; 'noroute': IP out noroute; 'snat_fail': Source NAT failure; 'snat_no_fwd_route': Source NAT no fwd route; 'snat_no_rev_route': Source NAT no rev route; 'snat_icmp_error_process': Source NAT ICMP Process; 'snat_icmp_no_match': Source NAT ICMP No Match; 'smart_nat_id_mismatch': Auto NAT id mismatch; 'syncookiescheckfailed': TCP SYN cookie failed; 'novport_drop': NAT no session drops; 'no_vport_drop': vport not matching drops; 'nosyn_drop': No SYN pkt drops; 'nosyn_drop_fin': No SYN pkt drops - FIN; 'nosyn_drop_rst': No SYN pkt drops - RST; 'nosyn_drop_ack': No SYN pkt drops - ACK; 'connlimit_drop': Conn Limit drops; 'connlimit_reset': Conn Limit resets; 'conn_rate_limit_drop': Conn rate limit drops; 'conn_rate_limit_reset': Conn rate limit resets; 'proxy_nosock_drop': Proxy no sock drops; 'drop_aflex': aFleX drops; 'sess_aged_out': Session aged out; 'tcp_sess_aged_out': TCP Session aged out; 'udp_sess_aged_out': UDP Session aged out; 'other_sess_aged_out': Other Session aged out; 'tcp_no_slb': TCP no SLB; 'udp_no_slb': UDP no SLB; 'throttle_syn': SYN Throttle; 'drop_gslb': Drop GSLB; 'inband_hm_retry': Inband HM retry; 'inband_hm_reassign': Inband HM reassign; 'auto_reassign': Auto-reselect server; 'fast_aging_set': Fast aging set; 'fast_aging_reset': Fast aging reset; 'dns_policy_drop': DNS Policy Drop; 'tcp_invalid_drop': TCP invalid drop; 'anomaly_out_seq': Anomaly out of sequence; 'anomaly_zero_win': Anomaly zero window; 'anomaly_bad_content': Anomaly bad content; 'anomaly_pbslb_drop': Anomaly pbslb drop; 'no_resourse_drop': No resource drop; 'reset_unknown_conn': Reset unknown conn; 'reset_l7_on_failover': RST L7 on failover; 'ignore_msl': ignore msl; 'l2_dsr': L2 DSR received; 'l3_dsr': L3 DSR received; 'port_preserve_attempt': NAT Port Preserve Try; 'port_preserve_succ': NAT Port Preserve Succ; 'tcpsyndata_drop': TCP SYN With

Data Drop; 'tcpotherflags_drop': TCP SYN Other Flags Drop; 'bw_rate_limit_exceed': BW-Limit Exceed drop; 'bw_watermark_drop': BW-Watermark drop; 'l4_cps_exceed': L4 CPS exceed drop; 'nat_cps_exceed': NAT CPS exceed drop; 'l7_cps_exceed': L7 CPS exceed drop; 'ssl_cps_exceed': SSL CPS exceed drop; 'ssl_tpt_exceed': SSL TPT exceed drop; 'ssl_watermark_drop': SSL TPT-Watermark drop; 'concurrent_conn_exceed': L3V Conn Limit Drop; 'svr_syn_handshake_fail': L4 server handshake fail; 'stateless_conn_timeout': L4 stateless Conn TO; 'tcp_ax_rexmit_syn': L4 AX re-xmit SYN; 'tcp_syn_rcv_ack': L4 rcv ACK on SYN; 'tcp_syn_rcv_rst': L4 rcv RST on SYN; 'tcp_sess_noest_aged_out': TCP no-Est Sess aged out; 'tcp_sess_noest_csyn_rcv_aged_out': no-Est CSYN rcv aged out; 'tcp_sess_noest_ssyn_xmit_aged_out': no-Est SSYN snt aged out; 'tcp_rexmit_syn': L4 rcv rexmit SYN; 'tcp_rexmit_syn_delq': L4 rcv rexmit SYN (delq); 'tcp_rexmit_synack': L4 rcv rexmit SYN|ACK; 'tcp_rexmit_synack_delq': L4 rcv rexmit SYN|ACK DQ; 'tcp_fwd_fin_dup': L4 rcv fwd FIN dup; 'tcp_rev_fin_dup': L4 rcv rev FIN dup; 'tcp_rev_ackfin': L4 rcv rev FIN|ACK; 'tcp_fwd_rst': L4 rcv fwd RST; 'tcp_rev_rst': L4 rcv rev RST; 'udp_req_oneplus_no_resp': L4 UDP reqs no rsp; 'udp_req_one_oneplus_resp': L4 UDP req rsps; 'udp_req_resp_notmatch': L4 UDP req/rsp not match; 'udp_req_more_resp': L4 UDP req greater than rsps; 'udp_resp_more_req': L4 UDP rsps greater than reqs; 'udp_req_oneplus': L4 UDP reqs; 'udp_resp_oneplus': L4 UDP rsps; 'out_seq_ack_drop': Out of sequence ACK drop; 'tcp_est': L4 TCP Established; 'synattack': L4 SYN attack; 'syn_rate': TCP SYN rate per sec; 'syncookie_buff_drop': TCP SYN cookie buff drop; 'syncookie_buff_queue': TCP SYN cookie buff queue; 'skip_insert_client_ip': Skip Insert-client-ip; 'synreceived_hw': TCP SYN (HW SYN cookie); 'dns_id_switch': DNS query id switch; 'server_down_del': Server Down Del switch;

Type: string

Supported Values: all, intcp, synreceived, tcp_fwd_last_ack, tcp_rev_last_ack, tcp_rev_fin, tcp_fwd_fin, tcp_fwd_ackfin, inudp, syncookiessent, syncookiessent_ts, syncookiessentfailed, outrst, outrst_nosyn, outrst_broker, outrst_ack_attack, outrst_aflex, outrst_stale_sess, syn_stale_sess, outrst_tcpproxy, svrselfail, noroute, snat_fail, snat_no_fwd_route, snat_no_rev_route, snat_icmp_error_process, snat_icmp_no_match, smart_nat_id_mismatch, syncookiescheckfailed, novport_drop, no_vport_drop, nosyn_drop, nosyn_drop_fin, nosyn_drop_rst, nosyn_drop_ack, connlimit_drop, connlimit_reset, conn_rate_limit_drop, conn_rate_limit_reset, proxy_nosock_drop, drop_aflex, sess_aged_out, tcp_sess_aged_out, udp_sess_aged_out, other_sess_aged_out, tcp_no_slb, udp_no_slb, throttle_syn, drop_gslb, inband_hm_retry, inband_hm_reassign, auto_reassign, fast_aging_set, fast_aging_reset, dns_policy_drop, tcp_invalid_drop, anomaly_out_seq, anomaly_zero_win, anomaly_bad_content, anomaly_pbslb_drop, no_resourse_drop, reset_unknown_conn, reset_l7_on_failover, ignore_msl, l2_dsr, l3_dsr, port_preserve_attempt, port_preserve_succ, tcpsyndata_drop, tcpotherflags_drop, bw_rate_limit_exceed, bw_watermark_drop, l4_cps_exceed, nat_cps_exceed, l7_cps_exceed, ssl_cps_exceed, ssl_tpt_exceed, ssl_watermark_drop, concurrent_conn_exceed, svr_syn_handshake_fail, stateless_conn_timeout, tcp_ax_rexmit_syn, tcp_syn_rcv_ack, tcp_syn_rcv_rst, tcp_sess_noest_aged_out, tcp_sess_noest_csyn_rcv_aged_out, tcp_sess_noest_ssyn_xmit_aged_out, tcp_rexmit_syn, tcp_rexmit_syn_delq, tcp_rexmit_synack, tcp_rexmit_synack_delq, tcp_fwd_fin_dup, tcp_rev_fin_dup, tcp_rev_ackfin, tcp_fwd_rst, tcp_rev_rst, udp_req_oneplus_no_resp, udp_req_one_oneplus_resp, udp_req_resp_notmatch, udp_req_more_resp, udp_resp_more_req, udp_req_oneplus, udp_resp_oneplus, out_seq_ack_drop, tcp_est, synattack, syn_rate, syncookie_buff_drop, syncookie_buff_queue, skip_insert_client_ip, synreceived_hw, dns_id_switch, server_down_del, dnssec_switch, rate_drop_reset_unkn, tcp_connections_closed, gtp_c_invalid_port, gtp_c_invalid_header, gtp_c_invalid_message, reselect_svrselfail, snat_port_overload_fail, snat_force_preserve_alloc, snat_force_preserve_free

stats data

	Counter	Size	Description
	conn_rate_limit_drop	8	Conn rate limit drops
	outrst_stale_sess	8	TCP out RST stale sess
	connlimit_reset	8	Conn Limit resets
	snat_port_overload_fail	8	Snat port overload fail
	tcp_sess_aged_out	8	TCP Session aged out
	bw_rate_limit_exceed	8	BW-Limit Exceed drop
	no_vport_drop	8	vport not matching drops
	snat_icmp_error_process	8	Source NAT ICMP Process
	port_preserve_attempt	8	NAT Port Preserve Try
	anomaly_pbslb_drop	8	Anomaly pbslb drop
	proxy_nosock_drop	8	Proxy no sock drops
	svr_syn_handshake_fail	8	L4 server handshake fail
	snat_icmp_no_match	8	Source NAT ICMP No Match
	drop_gslb	8	Drop GSLB
	outrst_aflex	8	TCP out RST aFleX
	anomaly_zero_win	8	Anomaly zero window
	concur-rent_conn_exceed	8	L3V Conn Limit Drop
	re-set_l7_on_failover	8	RST L7 on failover
	nosyn_drop_rst	8	No SYN pkt drops - RST
	anomaly_bad_content	8	Anomaly bad content
	ignore_msl	8	ignore msl
	tcpsyn-data_drop	8	TCP SYN With Data Drop
	nosyn_drop_fin	8	No SYN pkt drops - FIN
	anomaly_out_seq	8	Anomaly out of sequence
	tcp_rev_ackfin	8	L4 rcv rev FIN|ACK
	tcp_rev_fin	8	L4 rcv rev FIN
	conn_rate_limit_reset	8	Conn rate limit resets
	out_seq_ack_drop	8	Out of sequence ACK drop
	bw_watermark_drop	8	BW-Watermark drop
	sess_aged_out	8	Session aged out
	tcp_invalid_drop	8	TCP invalid drop
	syn_stale_sess	8	SYN stale sess drop
	syn-cookie_buff_drop	8	TCP SYN cookie buff drop
	inudp	8	UDP received
	tcpother-flags_drop	8	TCP SYN Other Flags Drop
	udp_sess_aged_out	8	UDP Session aged out
	auto_reassign	8	Auto-reselect server
	dns_id_switch	8	DNS query id switch
	fast_aging_set	8	Fast aging set
	outrst_ack_attack	8	TCP out RST ACK attack
	connlimit_drop	8	Conn Limit drops
	tcp_connections_closed	8	TCP Connections Closed

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	Counter	Size	Description
	udp_req_one_oneplus_resp	8	L4 UDP req rsps
	tcp_syn_rcv_rst	8	L4 rcv RST on SYN
	ssl_cps_exceed	8	SSL CPS exceed drop
	syncook-iessentfailed	8	TCP SYN cookie snt fail
	ssl_tpt_exceed	8	SSL TPT exceed drop
	smart_nat_id_mismatch	8	Auto NAT id mismatch
	gtp_c_invalid_port	8	Invalid Packet Received on GTP VIP
	tcp_fwd_ackfin	8	L4 rcv fwd FIN|ACK
	ssl_watermark_drop	8	SSL TPT-Watermark drop
	tcp_rexmit_synack_delq	8	L4 rcv rexmit SYN|ACK DQ
	tcp_fwd_fin	8	L4 rcv fwd FIN
	tcp_fwd_fin_dup	8	L4 rcv fwd FIN dup
	nosyn_drop_ack	8	No SYN pkt drops - ACK
	tcp_rexmit_synack	8	L4 rcv rexmit SYN|ACK
	skip_insert_client_ip	8	Skip Insert-client-ip
	server_down_del	8	Server Down Del switch
	l3_dsr	8	L3 DSR received
	gtp_c_invalid_header	8	Invalid Header Received on GTP VIP
	snat_force_preserve_alloc	8	Snat port preserve allocated
	tcp_sess_noest_aged_out	8	TCP no-Est Sess aged out
	syn_rate	8	TCP SYN rate per sec
	l7_cps_exceed	8	L7 CPS exceed drop
	synattack	8	L4 SYN attack
	drop_aflex	8	aFleX drops
	tcp_est	8	L4 TCP Established
	svrselfail	8	Server sel failure
	outrst_broker	8	TCP out RST L4 proxy
	tcp_sess_noest_csyn_rcv_aged_out	8	no-Est CSYN rcv aged out
	novport_drop	8	NAT no session drops
	udp_req_oneplus_no_resp	8	L4 UDP reqs no rsp
	fast_aging_reset	8	Fast aging reset
	syncook-iessent	8	TCP SYN cookie snt
	tcp_rexmit_syn	8	L4 rcv rexmit SYN
	outrst	8	TCP out RST
	tcp_ax_rexmit_syn	8	L4 AX re-xmit SYN
	tcp_sess_noest_ssyn_xmit_aged_out	8	no-Est SSYN snt aged out
	syn-cookie_buff_queue	8	TCP SYN cookie buff queue
	dns_policy_drop	8	DNS Policy Drop
	throttle_syn	8	SYN Throttle
	nosyn_drop	8	No SYN pkt drops
	gtp_c_invalid_message	8	Non Create Session/PDP Context Request/Response Received on GTP VIP
	l4_cps_exceed	8	L4 CPS exceed drop
	tcp_syn_rcv_ack	8	L4 rcv ACK on SYN
	snat_fail	8	Source NAT failure

continues on next page

Table 2.37 – continued from previous page

	Counter	Size	Description
	no_resourse_drop	8	No resource drop
	in-band_hm_retry	8	Inband HM retry
	synreceived	8	TCP SYN received
	re-set_unknown_conn	8	Reset unknown conn
	l2_dsr	8	L2 DSR received
	outrst_nosyn	8	TCP out RST no SYN
	udp_req_more_resp	8	L4 UDP req greater than rsps
	rate_drop_reset_unkn	8	Rate Drop reset
	other_sess_aged_out	8	Other Session aged out
	snat_no_rev_route	8	Source NAT no rev route
	tcp_fwd_rst	8	L4 rcv fwd RST
	snat_force_preserve_free	8	Snat port preserve freed
	tcp_no_slb	8	TCP no SLB
	nat_cps_exceed	8	NAT CPS exceed drop
	udp_resp_oneplus	8	L4 UDP rsps
	outrst_tcpproxy	8	TCP out RST TCP proxy
	tcp_rev_fin_dup	8	L4 rcv rev FIN dup
	udp_req_resp_nomatch	8	L4 UDP req/rsp not match
	udp_no_slb	8	UDP no SLB
	port_preserve_succ	8	NAT Port Preserve Succ
	udp_resp_more_req	8	L4 UDP rsps greater than reqs
	intcp	8	TCP received
	tcp_fwd_last_ack	8	L4 rcv fwd last ACK
	syncooki-escheckfailed	8	TCP SYN cookie failed
	tcp_rexmit_syn_delq	8	L4 rcv rexmit SYN (delq)
	rese-lect_svrselfail	8	Server reselect failure
	state-less_conn_timeout	8	L4 stateless Conn TO
	tcp_rev_last_ack	8	L4 rcv rev last ACK
	tcp_rev_rst	8	L4 rcv rev RST
	noroute	8	IP out noroute
	udp_req_oneplus	8	L4 UDP reqs
	dnssec_switch	8	DNSSEC SG switch
	syncook-iessent_ts	8	TCP SYN cookie snt ts
	snat_no_fwd_route	8	Source NAT no fwd route
	synre-ceived_hw	8	TCP SYN (HW SYN cookie)
	in-band_hm_reassign	8	Inband HM reassign

operational data

	Counter	Size	Description
	l4-cpu-list		l4-cpu-list
	cpu-count	number	cpu-count

2.92.34 slb l7session

Show l7session Statistics

l7session Specification

Type	*Configuration Resource*
Element Name	l7session
Element URI	/axapi/v3/slb/l7session
Element Attributes	l7session_attributes
Statistics Data URI	/axapi/v3/slb/l7session/stats
Operational Data URI	/axapi/v3/slb/l7session/oper
Schema	`l7session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/l7session

l7session attributes

Get Object

GET

/axapi/v3/slb/l7session

l7session attributes

Modify Object

POST

/axapi/v3/slb/l7session

l7session attributes

Replace Object

PUT

/axapi/v3/slb/l7session

l7session attributes

Delete Object

DELETE

/axapi/v3/slb/l7session

l7session attributes

l7session attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'start_server_conn_succ': Start Server Conn Success; 'conn_not_exist': Conn does not exist; 'data_event': Data event from TCP; 'client_fin': FIN from client; 'server_fin': FIN from server; 'wbuf_event': Wbuf event from TCP; 'wbuf_cb_failed': Wbuf event callback failed; 'err_event': Err event from TCP; 'err_cb_failed': Err event callback failed; 'server_conn_failed': Server connection failed; 'client_rst': RST from client; 'server_rst': RST from server; 'client_rst_req': RST from client - request; 'client_rst_connecting': RST from client - connecting; 'client_rst_connected': RST from client - connected; 'client_rst_rsp': RST from client - response; 'server_rst_req': RST from server - request; 'server_rst_connecting': RST from server - connecting; 'server_rst_connected': RST from server - connected; 'server_rst_rsp': RST from server - response; 'proxy_v1_connection': counter for Proxy v1 connection; 'proxy_v2_connection': counter for Proxy v2 connection; 'curr_proxy': Curr proxy conn; 'curr_proxy_client': Curr proxy conn - client; 'curr_proxy_server': Curr proxy conn - server; 'curr_proxy_es': Curr proxy conn - ES; 'total_proxy': Total proxy conn; 'total_proxy_client': Total proxy conn - client; 'total_proxy_server': Total proxy conn - server; 'total_proxy_es': Total proxy conn - ES; 'server_select_fail': Server selection fail; 'est_event': Est event from TCP; 'est_cb_failed': Est event callback fail; 'data_cb_failed': Data event callback fail; 'hps_fwdreq_fail': Fwd req fail; 'hps_fwdreq_fail_buff': Fwd req fail - buff; 'hps_fwdreq_fail_rport': Fwd req fail - rport; 'hps_fwdreq_fail_route': Fwd req fail - route; 'hps_fwdreq_fail_persist': Fwd req fail - persist; 'hps_fwdreq_fail_server': Fwd req fail - server; 'hps_fwdreq_fail_tuple': Fwd req fail - tuple;

Type: string

Supported Values: all, start_server_conn_succ, conn_not_exist, data_event, client_fin, server_fin, wbuf_event, wbuf_cb_failed, err_event, err_cb_failed, server_conn_failed, client_rst, server_rst, client_rst_req, client_rst_connecting, client_rst_connected, client_rst_rsp, server_rst_req, server_rst_connecting, server_rst_connected, server_rst_rsp,

proxy_v1_connection, proxy_v2_connection, curr_proxy, curr_proxy_client, curr_proxy_server, curr_proxy_es, total_proxy, total_proxy_client, total_proxy_server, total_proxy_es, server_select_fail, est_event, est_cb_failed, data_cb_failed, hps_fwdreq_fail, hps_fwdreq_fail_buff, hps_fwdreq_fail_rport, hps_fwdreq_fail_route, hps_fwdreq_fail_persist, hps_fwdreq_fail_server, hps_fwdreq_fail_tuple

stats data

	Counter	Size	Description
	server_fin	8	FIN from server
	server_rst	8	RST from server
	err_event	8	Err event from TCP
	total_proxy	8	Total proxy conn
	start_server_conn_succ	8	Start Server Conn Success
	curr_proxy	8	Curr proxy conn
	hps_fwdreq_fail	8	Fwd req fail
	wbuf_event	8	Wbuf event from TCP
	data_event	8	Data event from TCP
	wbuf_cb_failed	8	Wbuf event callback failed
	client_rst	8	RST from client
	err_cb_failed	8	Err event callback failed
	client_fin	8	FIN from client
	server_select_fail	8	Server selection fail
	server_conn_failed	8	Server connection failed
	data_cb_failed	8	Data event callback fail
	conn_not_exist	8	Conn does not exist

operational data

	Counter	Size	Description
	l7-cpu-list		l7-cpu-list
	cpu-count	number	cpu-count

2.92.35 slb link-probe

Link Probe (NHLD) related oper Info and Stats

link-probe Specification

Type	*Intermediate Resource*
Element Name	link-probe
Element URI	/axapi/v3/slb/link-probe
Element Attributes	link-probe_attributes
Statistics Data URI	/axapi/v3/slb/link-probe/stats
Operational Data URI	/axapi/v3/slb/link-probe/oper
Schema	`link-probe schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/link-probe

link-probe_attributes

link-probe attributes

entry

Description: entry is a **JSON Block**. Please see below for *entry*

Type: Object

Refernce Object: */axapi/v3/slb/link-probe/entry*

entry

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

entry_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_tmpl_probe_create_failed': Probe Template Creation Failure; 'err_tmpl_probe_create_oom': Probe Template Creation Out of Memory; 'total_http_probes_sent': Total HTTP Probes Sent out; 'total_http_response_received': Total HTTP responses received; 'total_http_response_good': Total HTTP responses matching probe template config; 'total_http_response_bad': Total HTTP responses not matching probe template config; 'total_tcp_err': Total TCP errors in probes sent out; 'err_smart_nat_alloc': Error creating Smart NAT Instance; 'err_smart_nat_port_alloc': Error obtaining Smart NAT source port; 'err_l4_sess_alloc': Error allocating L4 session for probe; 'err_probe_tcp_conn_send': Error in initiating TCP connection for probe; 'probe_tcp_conn_sent': TCP connection sent for probe;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_ready_to_free, total_freed, err_entry_create_failed, err_entry_create_oom, err_entry_insert_failed, err_tmpl_probe_create_failed, err_tmpl_probe_create_oom, total_http_probes_sent, total_http_response_received, total_http_response_good, total_http_response_bad, total_tcp_err, err_smart_nat_alloc, err_smart_nat_port_alloc, err_l4_sess_alloc, err_probe_tcp_conn_send, probe_tcp_conn_sent

stats data

	Counter	Size	Description
	total_http_probes_sent	8	Total HTTP Probes Sent out
	total_http_response_good	8	Total HTTP responses matching probe template config
	total_tcp_err	8	Total TCP errors in probes sent out
	curr_entries	8	Current Entry Count
	total_http_response_bad	8	Total HTTP responses not matching probe template config
	err_entry_create_oom	8	Entry Creation Out of Memory
	err_smart_nat_port_alloc	8	Error obtaining Smart NAT source port
	err_tmpl_probe_create_failed	8	Probe Template Creation Failure
	err_smart_nat_alloc	8	Error creating Smart NAT Instance
	err_probe_tcp_conn_send	8	Error in initiating TCP connection for probe
	total_ready_to_free	8	Total Entry Ready To Free
	total_freed	8	Total Entry Freed
	total_inserted	8	Total Entry Inserted
	err_entry_create_failed	8	Entry Creation Failure
	probe_tcp_conn_sent	8	TCP connection sent for probe
	err_tmpl_probe_create_oom	8	Probe Template Creation Out of Memory
	total_http_response_received	8	Total HTTP responses received
	err_l4_sess_alloc	8	Error allocating L4 session for probe
	total_created	8	Total Entry Created
	err_entry_insert_failed	8	Entry Insert Failed

operational data

	Counter	Size	Description
	entry-list		entry-list

2.92.36 slb link-probe entry

Show SLB Link Probe entries

entry Specification

Type	*Configuration Resource*
Element Name	entry
Element URI	/axapi/v3/slb/link-probe/entry
Element Attributes	entry_attributes
Statistics Data URI	/axapi/v3/slb/link-probe/entry/stats
Operational Data URI	/axapi/v3/slb/link-probe/entry/oper
Schema	`entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/link-probe/entry

entry attributes

Get Object

GET

/axapi/v3/slb/link-probe/entry

entry attributes

Modify Object

POST

/axapi/v3/slb/link-probe/entry

entry attributes

Replace Object

PUT

/axapi/v3/slb/link-probe/entry

entry attributes

Delete Object

DELETE

/axapi/v3/slb/link-probe/entry

entry attributes

entry attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_tmpl_probe_create_failed': Probe Template Creation Failure; 'err_tmpl_probe_create_oom': Probe Template Creation Out of Memory; 'total_http_probes_sent': Total HTTP Probes Sent out; 'total_http_response_received': Total HTTP responses received; 'total_http_response_good': Total HTTP responses matching probe template config; 'total_http_response_bad': Total HTTP responses not matching probe template config; 'total_tcp_err': Total TCP errors in probes sent out; 'err_smart_nat_alloc': Error creating Smart NAT Instance; 'err_smart_nat_port_alloc': Error obtaining Smart NAT source port; 'err_l4_sess_alloc': Error allocating L4 session for probe; 'err_probe_tcp_conn_send': Error in initiating TCP connection for probe; 'probe_tcp_conn_sent': TCP connection sent for probe;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_ready_to_free, total_freed, err_entry_create_failed, err_entry_create_oom, err_entry_insert_failed, err_tmpl_probe_create_failed, err_tmpl_probe_create_oom, total_http_probes_sent, total_http_response_received, total_http_response_good, total_http_response_bad, total_tcp_err, err_smart_nat_alloc, err_smart_nat_port_alloc, err_l4_sess_alloc, err_probe_tcp_conn_send, probe_tcp_conn_sent

stats data

	Counter	Size	Description
	total_http_probes_sent	8	Total HTTP Probes Sent out
	total_http_response_good	8	Total HTTP responses matching probe template config
	total_tcp_err	8	Total TCP errors in probes sent out
	curr_entries	8	Current Entry Count
	total_http_response_bad	8	Total HTTP responses not matching probe template config
	err_entry_create_oom	8	Entry Creation Out of Memory
	err_smart_nat_port_alloc	8	Error obtaining Smart NAT source port
	err_tmpl_probe_create_failed	8	Probe Template Creation Failure
	err_smart_nat_alloc	8	Error creating Smart NAT Instance
	err_probe_tcp_conn_send	8	Error in initiating TCP connection for probe
	total_ready_to_free	8	Total Entry Ready To Free
	total_freed	8	Total Entry Freed
	total_inserted	8	Total Entry Inserted
	err_entry_create_failed	8	Entry Creation Failure
	probe_tcp_conn_sent	8	TCP connection sent for probe
	err_tmpl_probe_create_oom	8	Probe Template Creation Out of Memory
	total_http_response_received	8	Total HTTP responses received
	err_l4_sess_alloc	8	Error allocating L4 session for probe
	total_created	8	Total Entry Created
	err_entry_insert_failed	8	Entry Insert Failed

operational data

	Counter	Size	Description
	entry-list		entry-list

2.92.37 slb mlb

Show mlb Statistics

mlb Specification

Type	*Configuration Resource*
Element Name	mlb
Element URI	/axapi/v3/slb/mlb
Element Attributes	mlb_attributes
Statistics Data URI	/axapi/v3/slb/mlb/stats
Operational Data URI	/axapi/v3/slb/mlb/oper
Schema	`mlb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mlb

mlb attributes

Get Object

GET

/axapi/v3/slb/mlb

mlb attributes

Modify Object

POST

/axapi/v3/slb/mlb

mlb attributes

Replace Object

PUT

/axapi/v3/slb/mlb

mlb attributes

Delete Object

DELETE

/axapi/v3/slb/mlb

mlb attributes

mlb attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client_msg_sent': Client message sent; 'server_msg_received': Server message received; 'server_conn_created': Server connection created; 'server_conn_rst': Server connection reset; 'server_conn_failed': Server connection failed; 'server_conn_closed': Server connection closed; 'client_conn_created': Client connection created; 'client_conn_closed': Client connection closed; 'client_conn_not_found': Client connection not found;

Type: string

Supported Values: all, client_msg_sent, server_msg_received, server_conn_created, server_conn_rst, server_conn_failed, server_conn_closed, client_conn_created, client_conn_closed, client_conn_not_found, msg_dropped, msg_rerouted, mlb_dcmsg_sent, mlb_dcmsg_received, mlb_dcmsg_error, mlb_dcmsg_alloc, mlb_dcmsg_free, mlb_server_probe, mlb_server_down

stats data

	Counter	Size	Description
	mlb_server_probe	8	Server probe
	msg_rerouted	8	Message rerouted
	mlb_dcmsg_free	8	Dcmsg free
	msg_dropped	8	Message dropped
	server_conn_created	8	Server connection created
	mlb_dcmsg_alloc	8	Dcmsg alloc
	client_conn_not_found	8	Client connection not found
	mlb_server_down	8	Server down
	server_conn_rst	8	Server connection reset
	mlb_dcmsg_received	8	Dcmsg received
	server_conn_failed	8	Server connection failed
	client_msg_sent	8	Client message sent
	mlb_dcmsg_error	8	Dcmsg error
	client_conn_created	8	Client connection created
	mlb_dcmsg_sent	8	Dcmsg sent
	server_conn_closed	8	Server connection closed
	server_msg_received	8	Server message received
	client_conn_closed	8	Client connection closed

operational data

	Counter	Size	Description
	l4-cpu-list		l4-cpu-list
	cpu-count	number	cpu-count

2.92.38 slb mqtt

Show MQTT Statistics

mqtt Specification

Type	*Configuration Resource*
Element Name	mqtt
Element URI	/axapi/v3/slb/mqtt
Element Attributes	mqtt_attributes
Statistics Data URI	/axapi/v3/slb/mqtt/stats
Operational Data URI	/axapi/v3/slb/mqtt/oper
Schema	`mqtt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mqtt

mqtt attributes

Get Object

GET

/axapi/v3/slb/mqtt

mqtt attributes

Modify Object

POST

/axapi/v3/slb/mqtt

mqtt attributes

Replace Object

PUT

/axapi/v3/slb/mqtt

mqtt attributes

Delete Object

DELETE

/axapi/v3/slb/mqtt

mqtt attributes

mqtt attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'recv_mqtt_connect': MQTT Connect; 'recv_mqtt_connack': MQTT Connack; 'recv_mqtt_publish': MQTT Publish; 'recv_mqtt_puback': MQTT Puback; 'recv_mqtt_pubrec': MQTT Pubrec; 'recv_mqtt_pubrel': MQTT Pubrel; 'recv_mqtt_pubcomp': MQTT Pubcomp; 'recv_mqtt_subscribe': MQTT Subscribe; 'recv_mqtt_suback': MQTT Suback; 'recv_mqtt_unsubscribe': MQTT Unsubscribe; 'recv_mqtt_unsuback': MQTT Unsuback; 'recv_mqtt_pingreq': MQTT Pingreq; 'recv_mqtt_pingresp': MQTT Pingresp; 'recv_mqtt_disconnect': MQTT Disconnect; 'recv_mqtt_auth': MQTT Auth; 'recv_mqtt_other': MQTT Unknown; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'request': Total MQTT Commands; 'parse_connect_fail': Parse connect failure; 'parse_publish_fail': Parse publish failure; 'parse_subscribe_fail': Parse subscribe failure; 'parse_unsubscribe_fail': Parse unsubscribe failure; 'tuple_not_linked': tuple-not-linked failure; 'tuple_already_linked': tuple-already-linked failure; 'conn_null': Null conn; 'client_id_null': Null client id; 'session_exist': Session already exist; 'insertion_failed': Insertion failure; 'insertion_successful': Insertion successful;

Type: string

Supported Values: all, recv_mqtt_connect, recv_mqtt_connack, recv_mqtt_publish, recv_mqtt_puback, recv_mqtt_pubrec, recv_mqtt_pubrel, recv_mqtt_pubcomp, recv_mqtt_subscribe, recv_mqtt_suback, recv_mqtt_unsubscribe, recv_mqtt_unsuback, recv_mqtt_pingreq, recv_mqtt_pingresp, recv_mqtt_disconnect, recv_mqtt_auth, recv_mqtt_other, curr_proxy, total_proxy, request, parse_connect_fail, parse_publish_fail, parse_subscribe_fail, parse_unsubscribe_fail, tuple_not_linked, tuple_already_linked, conn_null, client_id_null, session_exist, insertion_failed, insertion_successful

stats data

	Counter	Size	Description
	recv_mqtt_unsuback	8	MQTT Unsuback
	total_proxy	8	Total proxy conns
	recv_mqtt_pubcomp	8	MQTT Pubcomp
	client_id_null	8	Null client id
	recv_mqtt_unsubscribe	8	MQTT Unsubscribe
	recv_mqtt_pubrec	8	MQTT Pubrec
	parse_publish_fail	8	Parse publish failure
	parse_unsubscribe_fail	8	Parse unsubscribe failure
	recv_mqtt_pingreq	8	MQTT Pingreq
	insertion_successful	8	Insertion successful
	recv_mqtt_pubrel	8	MQTT Pubrel
	recv_mqtt_connack	8	MQTT Connack
	session_exist	8	Session already exist

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	Counter	Size	Description
	conn_null	8	Null conn
	recv_mqtt_pingresp	8	MQTT Pingresp
	curr_proxy	8	Current proxy conns
	recv_mqtt_other	8	MQTT Unknown
	recv_mqtt_subscribe	8	MQTT Subscribe
	tu-ple_already_linked	8	tuple-already-linked failure
	parse_subscribe_fail	8	Parse subscribe failure
	inser-tion_failed	8	Insertion failure
	recv_mqtt_publish	8	MQTT Publish
	recv_mqtt_disconnect	8	MQTT Disconnect
	recv_mqtt_connect	8	MQTT Connect
	tu-ple_not_linked	8	tuple-not-linked failure
	recv_mqtt_suback	8	MQTT Suback
	recv_mqtt_puback	8	MQTT Puback
	request	8	Total MQTT Commands
	recv_mqtt_auth	8	MQTT Auth
	parse_connect_fail	8	Parse connect failure

operational data

	Counter	Size	Description
	mqtt-cpu-list		mqtt-cpu-list
	cpu-count	number	cpu-count

2.92.39 slb mssql

Show mssql Statistics

mssql Specification

Type	*Configuration Resource*
Element Name	mssql
Element URI	/axapi/v3/slb/mssql
Element Attributes	mssql_attributes
Statistics Data URI	/axapi/v3/slb/mssql/stats
Schema	`mssql schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mssql

mssql attributes

```
POST /axapi/v3/slb/mssql
Payload:
{
    "mssql": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/mssql

mssql attributes

```
GET /axapi/v3/slb/mssql
Reponse:
{
    "mssql": {
        "uuid": "04481d0e-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/mssql"
    }
}
```

Modify Object

POST

/axapi/v3/slb/mssql

mssql attributes

Replace Object

PUT

/axapi/v3/slb/mssql

mssql attributes

```
PUT /axapi/v3/slb/mssql
Payload:
{
    "mssql": {
        "sampling-enable": [
```

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```
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/mssql

mssql attributes

```
DELETE /axapi/v3/slb/mssql
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

mssql attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_be_enc': Curr BE Encryption Conns; 'total_be_enc': Total BE Encryption Conns; 'curr_fe_enc': Curr FE Encryption Conns; 'total_fe_enc': Total FE Encryption Conns; 'client_fin': Client FIN; 'server_fin': Server FIN; 'session_err': Session err; 'queries': DB Queries; 'commands': DB commands reply; 'auth_success': Authentication Success; 'auth_failure': Authentication Failure;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_be_enc, total_be_enc, curr_fe_enc, total_fe_enc, client_fin, server_fin, session_err, queries, commands, auth_success, auth_failure

stats data

	Counter	Size	Description
	server_fin	2	Server FIN
	curr_be_enc	2	Curr BE Encryption Conns
	total_be_enc	2	Total BE Encryption Conns
	auth_success	2	Authentication Success
	total_proxy	2	Total Proxy Conns
	curr_proxy	2	Curr Proxy Conns
	commands	2	DB commands reply
	client_fin	2	Client FIN
	curr_fe_enc	2	Curr FE Encryption Conns
	queries	2	DB Queries
	session_err	2	Session err
	auth_failure	2	Authentication Failure
	total_fe_enc	2	Total FE Encryption Conns

2.92.40 slb mysql

Show mysql Statistics

mysql Specification

Type	*Configuration Resource*
Element Name	mysql
Element URI	/axapi/v3/slb/mysql
Element Attributes	mysql_attributes
Statistics Data URI	/axapi/v3/slb/mysql/stats
Schema	`mysql schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mysql

mysql attributes

```
POST /axapi/v3/slb/mysql
Payload:
{
    "mysql": {
        "sampling-enable": [
```

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```
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/mysql

mysql attributes

```
GET /axapi/v3/slb/mysql
Reponse:
{
    "mysql": {
        "uuid": "04481c78-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/mysql"
    }
}
```

Modify Object

POST

/axapi/v3/slb/mysql

mysql attributes

Replace Object

PUT

/axapi/v3/slb/mysql

mysql attributes

```
PUT /axapi/v3/slb/mysql
Payload:
{
    "mysql": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/mysql

mysql attributes

```
DELETE /axapi/v3/slb/mysql
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

mysql attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_be_enc': Curr BE Encryption Conns; 'total_be_enc': Total BE Encryption Conns; 'curr_fe_enc': Curr FE Encryption Conns; 'total_fe_enc': Total FE Encryption Conns; 'client_fin': Client FIN; 'server_fin': Server FIN; 'session_err': Session err; 'queries': DB Queries; 'commands': DB commands reply;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_be_enc, total_be_enc, curr_fe_enc, total_fe_enc, client_fin, server_fin, session_err, queries, commands

stats data

	Counter	Size	Description
	server_fin	2	Server FIN
	curr_be_enc	2	Curr BE Encryption Conns
	total_be_enc	2	Total BE Encryption Conns
	total_proxy	2	Total Proxy Conns
	curr_proxy	2	Curr Proxy Conns
	commands	2	DB commands reply
	client_fin	2	Client FIN
	curr_fe_enc	2	Curr FE Encryption Conns
	queries	2	DB Queries
	session_err	2	Session err
	total_fe_enc	2	Total FE Encryption Conns

2.92.41 slb passthrough

passthrough session stats

passthrough Specification

Type	*Configuration Resource*
Element Name	passthrough
Element URI	/axapi/v3/slb/passthrough
Element Attributes	passthrough_attributes
Statistics Data URI	/axapi/v3/slb/passthrough/stats
Schema	`passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/passthrough

passthrough attributes

```
POST /axapi/v3/slb/passthrough
Payload:
{
    "passthrough": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/passthrough

passthrough attributes

```
GET /axapi/v3/slb/passthrough
Reponse:
{
    "passthrough": {
        "uuid": "04481be2-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/passthrough"
    }
}
```

Modify Object

POST

/axapi/v3/slb/passthrough

passthrough attributes

Replace Object

PUT

/axapi/v3/slb/passthrough

passthrough attributes

```
PUT /axapi/v3/slb/passthrough
Payload:
{
    "passthrough": {
        "sampling-enable": [
            {
                "counters1": "curr_conn"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/passthrough

passthrough attributes

```
DELETE /axapi/v3/slb/passthrough
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

passthrough attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_conn': Total connections; 'total_fwd_bytes': Forward bytes; 'total_fwd_packets': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_packets': Reverse packets; 'curr_pconn': Persistent connections;

Type: string

Supported Values: all, curr_conn, total_conn, total_fwd_bytes, total_fwd_packets, total_rev_bytes, total_rev_packets, curr_pconn

stats data

	Counter	Size	Description
	total_fwd_bytes	8	Forward bytes
	total_conn	8	Total connections
	total_fwd_packets	8	Forward packets
	curr_pconn	8	Persistent connections
	curr_conn	8	Current connections
	total_rev_packets	8	Reverse packets
	total_rev_bytes	8	Reverse bytes

2.92.42 slb perf

SLB performance stats

perf Specification

Type	*Configuration Resource*
Element Name	perf
Element URI	/axapi/v3/slb/perf
Element Attributes	perf_attributes
Statistics Data URI	/axapi/v3/slb/perf/stats
Schema	`perf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/perf

perf attributes

Get Object

GET

/axapi/v3/slb/perf

perf attributes

Modify Object

POST

/axapi/v3/slb/perf

perf attributes

Replace Object

PUT

/axapi/v3/slb/perf

perf attributes

Delete Object

DELETE

/axapi/v3/slb/perf

perf attributes

perf attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-throughput-bits-per-sec': Total throughput bits per sec; 'l4-conns-per-sec': L4 conns per sec; 'l7-conns-per-sec': L7 conns per sec; 'l7-trans-per-sec': L7 trans per sec; 'ssl-conns-per-sec': SSL conns per sec; 'ip-nat-conns-per-sec': IP NAT conns per sec; 'total-new-conns-per-sec': Total new conns per sec; 'total-curr-conns': Total curr conns; 'l4-bandwidth': L4 bandwidth; 'l7-bandwidth': L7 bandwidth;

Type: string

Supported Values: all, total-throughput-bits-per-sec, l4-conns-per-sec, l7-conns-per-sec, l7-trans-per-sec, ssl-conns-per-sec, ip-nat-conns-per-sec, total-new-conns-per-sec, total-curr-conns, l4-bandwidth, l7-bandwidth, serv-ssl-conns-per-sec, fw-conns-per-sec, gifw-conns-per-sec, l7-proxy-conns-per-sec, l7-proxy-trans-per-sec

stats data

	Counter	Size	Description
	l4-bandwidth	8	L4 Bandwidth in bits/sec
	ssl-conns-per-sec	8	SSL Connections/sec
	total-curr-conns	8	Total Current Established Connections
	gifw-conns-per-sec	8	GiFW Connections/sec
	l7-conns-per-sec	8	L7 Connections/sec
	l7-trans-per-sec	8	L7 Transactions/sec
	serv-ssl-conns-per-sec	8	Server SSL Connections/sec
	l7-bandwidth	8	L7 Bandwidth in bits/sec
	total-new-conns-per-sec	8	Total New Connections Established/sec
	total-throughput-bits-per-sec	8	Total Throughput in bits/sec
	l4-conns-per-sec	8	L4 Connections/sec
	l7-proxy-trans-per-sec	8	L7 Proxy Transactions/sec
	l7-proxy-conns-per-sec	8	L7 Proxy Connections/sec
	ip-nat-conns-per-sec	8	IP NAT Connections/sec
	fw-conns-per-sec	8	FW Connections/sec

2.92.43 slb persist

Show persist statistics

persist Specification

Type	*Configuration Resource*
Element Name	persist
Element URI	/axapi/v3/slb/persist
Element Attributes	persist_attributes
Statistics Data URI	/axapi/v3/slb/persist/stats
Operational Data URI	/axapi/v3/slb/persist/oper
Schema	`persist schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/persist

persist attributes

```
POST /axapi/v3/slb/persist
Payload:
{
    "persist": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/persist

persist attributes

```
GET /axapi/v3/slb/persist
Reponse:
{
    "persist": {
        "uuid": "0448209c-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/persist"
    }
}
```

Modify Object

POST

/axapi/v3/slb/persist

persist attributes

Replace Object

PUT

/axapi/v3/slb/persist

persist attributes

```
PUT /axapi/v3/slb/persist
Payload:
{
    "persist": {
        "sampling-enable": [
            {
                "counters1": "hash_tbl_trylock_fail"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/persist

persist attributes

```
DELETE /axapi/v3/slb/persist
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

persist attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hash_tbl_trylock_fail': Hash tbl lock fail; 'hash_tbl_create_ok': Hash tbl create ok; 'hash_tbl_create_fail': Hash tbl create fail; 'hash_tbl_free': Hash tbl free; 'hash_tbl_rst_updown': Hash tbl reset (up/down); 'hash_tbl_rst_adddel': Hash tbl reset (add/del); 'url_hash_pri': URL hash persist (pri); 'url_hash_enqueue': URL hash persist (enQ); 'url_hash_sec': URL hash persist (sec); 'url_hash_fail': URL hash persist fail; 'header_hash_pri': Header hash persist(pri); 'header_hash_enqueue': Header hash persist(enQ); 'header_hash_sec': Header hash persist(sec); 'header_hash_fail': Header hash persist fail; 'src_ip': SRC IP persist ok; 'src_ip_enqueue': SRC IP persist enqueue; 'src_ip_fail': SRC IP persist fail; 'src_ip_new_sess_cache': SRC IP new sess (cache); 'src_ip_new_sess_cache_fail': SRC IP new sess fail (c); 'src_ip_new_sess_sel': SRC IP new sess (select); 'src_ip_new_sess_sel_fail': SRC IP new sess fail (s); 'src_ip_hash_pri': SRC IP hash persist(pri); 'src_ip_hash_enqueue': SRC IP hash persist(enQ); 'src_ip_hash_sec': SRC IP hash persist(sec); 'src_ip_hash_fail': SRC IP hash persist fail; 'src_ip_enforce': Enforce higher priority; 'dst_ip': DST IP persist ok; 'dst_ip_enqueue': DST IP persist enqueue; 'dst_ip_fail': DST IP persist fail; 'dst_ip_new_sess_cache': DST IP new sess (cache); 'dst_ip_new_sess_cache_fail': DST IP new sess fail (c); 'dst_ip_new_sess_sel': DST IP new sess (select); 'dst_ip_new_sess_sel_fail': DST IP new sess fail (s); 'dst_ip_hash_pri': DST IP hash persist(pri); 'dst_ip_hash_enqueue': DST IP hash persist(enQ); 'dst_ip_hash_sec': DST IP hash persist(sec); 'dst_ip_hash_fail': DST IP hash persist fail; 'cssl_sid_not_found': Client SSL SID not found; 'cssl_sid_match': Client SSL SID match; 'cssl_sid_not_match': Client SSL SID not match; 'sssl_sid_not_found': Server SSL SID not found; 'sssl_sid_reset': Server SSL SID reset; 'sssl_sid_match': Server SSL SID match; 'sssl_sid_not_match': Server SSL SID not match; 'ssl_sid_persist_ok': SSL SID persist ok; 'ssl_sid_persist_fail': SSL SID persist fail; 'ssl_sid_session_ok': Create SSL SID ok; 'ssl_sid_session_fail': Create SSL SID fail; 'cookie_persist_ok': Cookie persist ok; 'cookie_persist_fail': Cookie persist fail; 'cookie_not_found': Persist cookie not found; 'cookie_pass_thru': Persist cookie Pass-thru; 'cookie_invalid': Invalid persist cookie;

Type: string

Supported Values: all, hash_tbl_trylock_fail, hash_tbl_create_ok, hash_tbl_create_fail, hash_tbl_free, hash_tbl_rst_updown, hash_tbl_rst_adddel, url_hash_pri, url_hash_enqueue, url_hash_sec, url_hash_fail, header_hash_pri, header_hash_enqueue, header_hash_sec, header_hash_fail, src_ip, src_ip_enqueue, src_ip_fail, src_ip_new_sess_cache, src_ip_new_sess_cache_fail, src_ip_new_sess_sel, src_ip_new_sess_sel_fail, src_ip_hash_pri, src_ip_hash_enqueue, src_ip_hash_sec, src_ip_hash_fail, src_ip_enforce, dst_ip, dst_ip_enqueue, dst_ip_fail, dst_ip_new_sess_cache, dst_ip_new_sess_cache_fail, dst_ip_new_sess_sel, dst_ip_new_sess_sel_fail, dst_ip_hash_pri, dst_ip_hash_enqueue, dst_ip_hash_sec, dst_ip_hash_fail, cssl_sid_not_found, cssl_sid_match, cssl_sid_not_match, sssl_sid_not_found, sssl_sid_reset, sssl_sid_match, sssl_sid_not_match, ssl_sid_persist_ok, ssl_sid_persist_fail, ssl_sid_session_ok, ssl_sid_session_fail, cookie_persist_ok, cookie_persist_fail, cookie_not_found, cookie_pass_thru, cookie_invalid

stats data

	Counter	Size	Description
	ssl_sid_session_ok	8	Create SSL SID ok
	sssl_sid_not_match	8	Server SSL SID not match
	cookie_invalid	8	Invalid persist cookie
	cookie_persist_fail	8	Cookie persist fail
	url_hash_sec	8	URL hash persist (sec)
	header_hash_pri	8	Header hash persist(pri)
	src_ip_hash_pri	8	SRC IP hash persist(pri)
	src_ip_new_sess_cache	8	SRC IP new sess (cache)
	src_ip_new_sess_sel_fail	8	SRC IP new sess fail (s)
	sssl_sid_match	8	Server SSL SID match
	dst_ip_hash_sec	8	DST IP hash persist(sec)
	src_ip_hash_sec	8	SRC IP hash persist(sec)
	cookie_not_found	8	Persist cookie not found
	dst_ip_new_sess_cache	8	DST IP new sess (cache)
	cssl_sid_match	8	Client SSL SID match
	hash_tbl_create_fail	8	Hash tbl create fail
	dst_ip_new_sess_sel	8	DST IP new sess (select)
	src_ip	8	SRC IP persist ok
	ssl_sid_persist_fail	8	SSL SID persist fail
	dst_ip_hash_fail	8	DST IP hash persist fail
	hash_tbl_rst_add_del	8	Hash tbl reset (add/del)
	cssl_sid_not_match	8	Client SSL SID not match
	ssl_sid_session_fail	8	Create SSL SID fail
	dst_ip_hash_pri	8	DST IP hash persist(pri)
	url_hash_enqueue	8	URL hash persist (enQ)
	hash_tbl_create_ok	8	Hash tbl create ok
	cookie_pass_thru	8	Persist cookie Pass-thru
	sssl_sid_reset	8	Server SSL SID reset
	src_ip_new_sess_cache_fail	8	SRC IP new sess fail (c)
	dst_ip_new_sess_sel_fail	8	DST IP new sess fail (s)
	url_hash_pri	8	URL hash persist (pri)
	url_hash_fail	8	URL hash persist fail
	hash_tbl_free	8	Hash tbl free
	src_ip_enforce	8	Enforce higher priority
	hash_tbl_rst_up_down	8	Hash tbl reset (up/down)
	hash_tbl_trylock_fail	8	Hash tbl lock fail
	cssl_sid_not_found	8	Client SSL SID not found
	dst_ip_hash_enqueue	8	DST IP hash persist(enQ)
	header_hash_sec	8	Header hash persist(sec)
	sssl_sid_not_found	8	Server SSL SID not found
	src_ip_new_sess_sel	8	SRC IP new sess (select)
	header_hash_fail	8	Header hash persist fail
	dst_ip_fail	8	DST IP persist fail
	src_ip_hash_enqueue	8	SRC IP hash persist(enQ)
	header_hash_enqueue	8	Header hash persist(enQ)
	src_ip_enqueue	8	SRC IP persist enqueue

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	Counter	Size	Description
	src_ip_hash_fail	8	SRC IP hash persist fail
	cookie_persist_ok	8	Cookie persist ok
	dst_ip_enqueue	8	DST IP persist enqueue
	dst_ip_new_sess_cache_fail	8	DST IP new sess fail (c)
	dst_ip	8	DST IP persist ok
	src_ip_fail	8	SRC IP persist fail
	ssl_sid_persist_ok	8	SSL SID persist ok

operational data

	Counter	Size	Description
	persist-cpu-list		persist-cpu-list
	cpu-count	number	cpu-count

2.92.44 slb player-id-ep

Player-id endpoint

player-id-ep Specification

Type	*Configuration Resource*
Element Name	player-id-ep
Element URI	/axapi/v3/slb/player-id-ep
Element Attributes	player-id-ep_attributes
Operational Data URI	/axapi/v3/slb/player-id-ep/oper
Schema	`player-id-ep schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/player-id-ep

player-id-ep attributes

Get Object

GET

/axapi/v3/slb/player-id-ep

player-id-ep attributes

Modify Object

POST

/axapi/v3/slb/player-id-ep

player-id-ep attributes

Replace Object

PUT

/axapi/v3/slb/player-id-ep

player-id-ep attributes

Delete Object

DELETE

/axapi/v3/slb/player-id-ep

player-id-ep attributes

player-id-ep attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	player-id	number	player-id
	player-id-ep-list		player-id-ep-list
	filter_type	enum	Output contains one of the following values: - all, specific
	total-players	number	total-players

2.92.45 slb player-id-global

Player-id global commands

player-id-global Specification

Type	*Configuration Resource*
Element Name	player-id-global
Element URI	/axapi/v3/slb/player-id-global
Element Attributes	player-id-global_attributes
Statistics Data URI	/axapi/v3/slb/player-id-global/stats
Operational Data URI	/axapi/v3/slb/player-id-global/oper
Schema	`player-id-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/player-id-global

player-id-global attributes

Get Object

GET

/axapi/v3/slb/player-id-global

player-id-global attributes

Modify Object

POST

/axapi/v3/slb/player-id-global

player-id-global attributes

Replace Object

PUT

/axapi/v3/slb/player-id-global

player-id-global attributes

Delete Object

DELETE

/axapi/v3/slb/player-id-global

player-id-global attributes

player-id-global attributes

abs-max-expiration

Description Absolute max record expiration value (default 10 minutes) (Absolute max record expiration time in minutes, default 10)

Type: number

Range: 1-32767

Default: 10

enable-64bit-player-id

Description Enable 64 bit player id check. Default is 32 bit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforcement-timer

Description Time to playerid enforcement after bootup (default 480 seconds) (Time to playerid enforcement in seconds, default 480)

Type: number

Range: 1-32767

Default: 480

force-passive

Description Forces the device to be in passive mode (Only stats and no packet drops)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

min-expiration

Description Minimum record expiration value (default 1 min) (Min record expiration time in minutes, default 1)

Type: number

Range: 1-32767

Default: 1

pkt-activity-expiration

Description Packet activity record expiration value (default 5 minutes) (Packet activity record expiration time in minutes, default 5)

Type: number

Range: 1-32767

Default: 5

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_playerids_created': Playerid records created; 'total_playerids_deleted': Playerid records deleted; 'total_abs_max_age_outs': Playerid records max time aged out; 'total_pkt_activity_age_outs': Playerid records idle timeout; 'total_invalid_playerid_pkts': Invalid playerid packets; 'total_invalid_playerid_drops': Invalid playerid packet drops; 'total_valid_playerid_pkts': Valid playerid packets;

Type: string

Supported Values: all, total_playerids_created, total_playerids_deleted, total_abs_max_age_outs, total_pkt_activity_age_outs, total_invalid_playerid_pkts, total_invalid_playerid_drops, total_valid_playerid_pkts

stats data

	Counter	Size	Description
	total_playerids_deleted	8	Playerid records deleted
	total_invalid_playerid_drops	8	Invalid playerid packet drops
	total_playerids_created	8	Playerid records created
	total_pkt_activity_age_outs	8	Playerid records idle timeout
	total_abs_max_age_outs	8	Playerid records max time aged out
	total_valid_playerid_pkts	8	Valid playerid packets
	total_invalid_playerid_pkts	8	Invalid playerid packets

operational data

	Counter	Size	Description
	time_to_active	number	time_to_active
	state	enum	Output contains one of the following values: - Active, Passive, Forced Passive
	table_count	number	table_count

2.92.46 slb pop3-proxy

Show POP3 Proxy global Statistics

pop3-proxy Specification

Type	*Configuration Resource*
Element Name	pop3-proxy
Element URI	/axapi/v3/slb/pop3-proxy
Element Attributes	pop3-proxy_attributes
Statistics Data URI	/axapi/v3/slb/pop3-proxy/stats
Operational Data URI	/axapi/v3/slb/pop3-proxy/oper
Schema	`pop3-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

```
POST /axapi/v3/slb/pop3-proxy
Payload:
{
    "pop3-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

```
GET /axapi/v3/slb/pop3-proxy
Reponse:
{
    "pop3-proxy": {
        "uuid": "044824ca-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/pop3-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

Replace Object

PUT

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

```
PUT /axapi/v3/slb/pop3-proxy
Payload:
{
    "pop3-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

```
DELETE /axapi/v3/slb/pop3-proxy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

pop3-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'stls': stls cmd; 'request_dont_care': other cmd; 'unsupported_command': Unsupported cmd; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'request': Total POP3 Request; 'control_to_ssl': Control chn ssl;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, line_too_long, line_mem_freed, invalid_start_line, stls, request_dont_care, unsupported_command, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, request, control_to_ssl

stats data

	Counter	Size	Description
	ser_connecting_err	8	Serv CTNG state error
	svrsel_fail	8	Server selection failure
	curr	8	Current proxy conns
	server_response_err	8	Serv RESP state error
	smp_v4_fail	8	Serv Sel SMPv4 fail
	no_route	8	no route failure
	total	8	Total proxy conns
	rsv_persist_conn_fail	8	Serv Sel Persist fail
	control_to_ssl	8	Control chn ssl
	request_dont_care	8	other cmd
	cl_est_err	8	Client EST state erro
	insert_tuple_fail	8	Serv Sel insert tuple fail
	line_mem_freed	8	request line freed
	invalid_start_line	8	invalid start line
	cl_request_err	8	Client RQ state error
	smp_v6_fail	8	Serv Sel SMPv6 fail
	snat_fail	8	source nat failure
	line_too_long	8	line too long
	request	8	Total POP3 Request
	bad_sequence	8	Bad Sequence
	unsupported_command	8	Unsupported cmd
	num	8	Num
	stls	8	stls cmd

operational data

	Counter	Size	Description
	l4-cpu-list		l4-cpu-list
	cpu-count	number	cpu-count

2.92.47 slb proxy

Show Proxy Global Statistics

proxy Specification

Type	*Configuration Resource*
Element Name	proxy
Element URI	/axapi/v3/slb/proxy
Element Attributes	proxy_attributes
Statistics Data URI	/axapi/v3/slb/proxy/stats
Schema	`proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/proxy

proxy attributes

```
POST /axapi/v3/slb/proxy
Payload:
{
    "proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/proxy

proxy attributes

```
GET /axapi/v3/slb/proxy
Reponse:
{
    "proxy": {
        "uuid": "044825f6-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/proxy"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/slb/proxy

proxy attributes

Replace Object

PUT

/axapi/v3/slb/proxy

proxy attributes

```
PUT /axapi/v3/slb/proxy
Payload:
{
    "proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/proxy

proxy attributes

```
DELETE /axapi/v3/slb/proxy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'tcp_event': TCP stack event; 'est_event': Connection established; 'data_event': Data received; 'client_fin': Client FIN; 'server_fin': Server FIN; 'wbuf_event': Ready to send data; 'err_event': Error occured; 'no_mem': No memory; 'client_rst': Client RST; 'server_rst': Server RST; 'queue_depth_over_limit': Queue depth over limit; 'event_failed': Event failed; 'conn_not_exist': Conn not exist; 'service_alloc_cb': Service alloc callback; 'service_alloc_cb_failed': Service alloc callback failed; 'service_free_cb': Service free callback; 'service_free_cb_failed': Service free callback failed; 'est_cb_failed': App EST callback failed; 'data_cb_failed': App DATA callback failed; 'wbuf_cb_failed': App WBUF callback failed; 'err_cb_failed': App ERR callback failed; 'start_server_conn': Start server conn; 'start_server_conn_succ': Success; 'start_server_conn_no_route': No route to server; 'start_server_conn_fail_mem': No memory; 'start_server_conn_fail_snat': Failed Source NAT; 'start_server_conn_fail_persist': Fail Persistence; 'start_server_conn_fail_server': Fail Server issue; 'start_server_conn_fail_tuple': Fail Tuple Issue; 'line_too_long': Line too long;

Type: string

Supported Values: all, num, tcp_event, est_event, data_event, client_fin, server_fin, wbuf_event, err_event, no_mem, client_rst, server_rst, queue_depth_over_limit, event_failed, conn_not_exist, service_alloc_cb, service_alloc_cb_failed, service_free_cb, service_free_cb_failed, est_cb_failed, data_cb_failed, wbuf_cb_failed, err_cb_failed, start_server_conn, start_server_conn_succ, start_server_conn_no_route, start_server_conn_fail_mem, start_server_conn_fail_snat, start_server_conn_fail_persist, start_server_conn_fail_server, start_server_conn_fail_tuple, line_too_long

stats data

	Counter	Size	Description
	start_server_conn	8	Start server conn
	service_alloc_cb	8	Service alloc callback
	start_server_conn_fail_tuple	8	Fail Tuple Issue
	client_rst	8	Client RST
	queue_depth_over_limit	8	Queue depth over limit
	start_server_conn_fail_mem	8	No memory
	start_server_conn_fail_server	8	Fail Server issue
	service_free_cb_failed	8	Service free callback failed

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Table 2.40 – continued from previous page

	Counter	Size	Description
	est_event	8	Connection established
	service_free_cb	8	Service free callback
	data_cb_failed	8	App DATA callback failed
	wbuf_event	8	Ready to send data
	data_event	8	Data received
	service_alloc_cb_failed	8	Service alloc callback failed
	start_server_conn_fail_persist	8	Fail Persistence
	server_fin	8	Server FIN
	server_rst	8	Server RST
	start_server_conn_fail_snat	8	Failed Source NAT
	start_server_conn_no_route	8	No route to server
	tcp_event	8	TCP stack event
	no_mem	8	No memory
	event_failed	8	Event failed
	err_event	8	Error occured
	line_too_long	8	Line too long
	wbuf_cb_failed	8	App WBUF callback failed
	err_cb_failed	8	App ERR callback failed
	client_fin	8	Client FIN
	est_cb_failed	8	App EST callback failed
	start_server_conn_succ	8	Success
	conn_not_exist	8	Conn not exist

2.92.48 slb rate-limit-log

Show rate limit logging statistics

rate-limit-log Specification

Type	*Configuration Resource*
Element Name	rate-limit-log
Element URI	/axapi/v3/slb/rate-limit-log
Element Attributes	rate-limit-log_attributes
Statistics Data URI	/axapi/v3/slb/rate-limit-log/stats
Operational Data URI	/axapi/v3/slb/rate-limit-log/oper
Schema	`rate-limit-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

```
POST /axapi/v3/slb/rate-limit-log
Payload:
{
    "rate-limit-log": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

```
GET /axapi/v3/slb/rate-limit-log
Reponse:
{
    "rate-limit-log": {
        "uuid": "044821c8-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/rate-limit-log"
    }
}
```

Modify Object

POST

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

Replace Object

PUT

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

```
PUT /axapi/v3/slb/rate-limit-log
Payload:
{
    "rate-limit-log": {
        "sampling-enable": [
            {
                "counters1": "total_log_times"
            }
```

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```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

```
DELETE /axapi/v3/slb/rate-limit-log
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rate-limit-log attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_log_times': Total log times; 'total_log_msg': Total log messages; 'local_log_msg': Local log messages; 'remote_log_msg': Remote log messages; 'local_log_rate': Local rate (per sec); 'remote_log_rate': Remote rate (per sec); 'msg_too_big': Log message too big; 'buff_alloc_fail': Buffer alloc fail; 'no_route': No route; 'buff_send_fail': Buffer send fail; 'alloc_conn': Log-session alloc; 'free_conn': Log-session free; 'conn_alloc_fail': Log-session alloc fail; 'no_repeat_msg': No repeat message;

Type: string

Supported Values: all, total_log_times, total_log_msg, local_log_msg, remote_log_msg, local_log_rate, remote_log_rate, msg_too_big, buff_alloc_fail, no_route, buff_send_fail, alloc_conn, free_conn, conn_alloc_fail, no_repeat_msg, local_log_dropped

stats data

	Counter	Size	Description
	msg_too_big	8	Log message too big
	buff_send_fail	8	Buffer send fail
	remote_log_rate	8	Remote rate (per sec)
	alloc_conn	8	Log-session alloc
	no_repeat_msg	8	No repeat message
	free_conn	8	Log-session free
	conn_alloc_fail	8	Log-session alloc fail
	local_log_msg	8	Local log messages
	local_log_dropped	8	Local log dropped due to rate-limit
	total_log_msg	8	Total log messages
	no_route	8	No route
	remote_log_msg	8	Remote log messages
	buff_alloc_fail	8	Buffer alloc fail
	local_log_rate	8	Local rate (per sec)
	total_log_times	8	Total log times

operational data

	Counter	Size	Description
	cpu-count	number	cpu-count
	rate-limit-log-cpu-list		rate-limit-log-cpu-list

2.92.49 slb rc-cache-global

global ram cache stats

rc-cache-global Specification

Type	*Configuration Resource*
Element Name	rc-cache-global
Element URI	/axapi/v3/slb/rc-cache-global
Element Attributes	rc-cache-global_attributes
Statistics Data URI	/axapi/v3/slb/rc-cache-global/stats
Operational Data URI	/axapi/v3/slb/rc-cache-global/oper
Schema	`rc-cache-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

```
POST /axapi/v3/slb/rc-cache-global
Payload:
{
    "rc-cache-global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

```
GET /axapi/v3/slb/rc-cache-global
Reponse:
{
    "rc-cache-global": {
        "uuid": "04482682-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/rc-cache-global"
    }
}
```

Modify Object

POST

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

Replace Object

PUT

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

```
PUT /axapi/v3/slb/rc-cache-global
Payload:
{
    "rc-cache-global": {
        "sampling-enable": [
            {
                "counters1": "hits"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

```
DELETE /axapi/v3/slb/rc-cache-global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

rc-cache-global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Cache Hits; 'miss': Cache Misses; 'bytes_served': Bytes Served; 'total_req': Total Requests; 'caching_req': Cacheable Requests; 'nc_req_header': No-cache Request; 'nc_res_header': Not cacheable; 'rv_success': Revalidation Successes; 'rv_failure': Revalidation Failures; 'ims_request': IMS Requests; 'nm_response': Responses from cache 304 Not Modified; 'rsp_type_CL': Responses from server 200 OK - Cont Len; 'rsp_type_CE': Responses from server 200 OK - Chnk Enc; 'rsp_type_304': Responses from server 304 Not Modified; 'rsp_type_other': Responses from server 200 OK - Other; 'rsp_no_compress': Responses from cache 200 OK - No Comp; 'rsp_gzip': Responses from cache 200 OK - Gzip; 'rsp_deflate': Responses from cache 200 OK - Deflate; 'rsp_other': Responses from cache Other; 'nocache_match': Policy URI nocache; 'match': Policy URI cache; 'invalidate_match': Policy URI invalidate; 'content_toobig': Policy Content Too Big; 'content_toosmall': Policy Content Too Small; 'entry_create_failures': Entry Create failures; 'mem_size': Memory Used; 'entry_num': Entry Cached; 'replaced_entry': Entry Replaced; 'aging_entry': Entry Aged Out; 'cleaned_entry': Entry Cleaned;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream

stats data

	Counter	Size	Description
	nm_response	8	Responses from cache 304 Not Modified
	rsp_type_304	8	Responses from server 304 Not Modified
	rsp_other	8	Responses from cache Other
	content_toosmall	8	Policy Content Too Small
	entry_create_failures	8	Entry Create failures
	nocache_match	8	Policy URI nocache
	content_toobig	8	Policy Content Too Big
	nc_res_header	8	Not cacheable
	miss	8	Cache Misses
	nc_req_header	8	No-cache Request

continues on next page

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	Counter	Size	Description
	re-placed_entry	8	Entry Replaced
	aging_entry	8	Entry Aged Out
	mem_size	8	Memory Used
	rsp_deflate	8	Responses from cache 200 OK - Deflate
	invali-date_match	8	Policy URI invalidate
	match	8	Policy URI cache
	cleaned_entry	8	Entry Cleaned
	entry_num	8	Entry Cached
	total_req	8	Total Requests
	bytes_served	8	Bytes Served
	rv_success	8	Revalidation Successes
	rv_failure	8	Revalidation Failures
	rsp_gzip	8	Responses from cache 200 OK - Gzip
	hits	8	Cache Hits
	rsp_type_other	8	Responses from server 200 OK - Other
	rsp_type_CE	8	Responses from server 200 OK - Chnk Enc
	rsp_no_compress	8	Responses from cache 200 OK - No Comp
	rsp_type_CL	8	Responses from server 200 OK - Cont Len
	caching_req	8	Cacheable Requests
	ims_request	8	IMS Requests
	rsp_type_stream	8	Responses from http2 server 200 OK - Stream

operational data

	Counter	Size	Description
	no_cache_requests	number	no_cache_requests
	304_ratio	string	304_ratio
	pol-icy_uri_cache	number	policy_uri_cache
	en-tries_cached	number	entries_cached
	replacement-list		replacement-list
	entry-list		entry-list
	total_request	number	total_request
	hit_ratio	string	hit_ratio
	resp_server_no_cache_response	number	resp_server_no_cache_response
	vir-tual_server	string	virtual_server
	resp_server_200_ok_cont	number	resp_server_200_ok_cont
	cache_hits	number	cache_hits
	en-tries_replaced	number	entries_replaced
	cache_miss	number	cache_miss

continues on next page

Table 2.42 – continued from previous page

	Counter	Size	Description
	resp_cache_200_ok_gzip	number	resp_cache_200_ok_gzip
	display_detail	number	display_detail
	resp_cache_200_ok_no_comp	number	resp_cache_200_ok_no_comp
	policy_uri_nocache	number	policy_uri_nocache
	uri_name	string	uri_name
	memory_used	string	memory_used
	ims_requests	number	ims_requests
	revalidation_failure	number	revalidation_failure
	entries_aged	number	entries_aged
	resp_server_200_ok_chunk	number	resp_server_200_ok_chunk
	bytes_served	string	bytes_served
	revalidation_success	number	revalidation_success
	resp_cache_200_ok_deflate	number	resp_cache_200_ok_deflate
	entries_create_fail	number	entries_create_fail
	policy_content_small	number	policy_content_small
	policy_content_big	number	policy_content_big
	resp_cache_other	number	resp_cache_other
	resp_cache_304_not_modified	number	resp_cache_304_not_modified
	resp_server_other	number	resp_server_other
	cacheable_requests	number	cacheable_requests
	virtual_port	number	virtual_port
	entries_cleaned	number	entries_cleaned
	polic_uri_invalidate	number	polic_uri_invalidate
	resp_server_304_not_modified	number	resp_server_304_not_modified

2.92.50 slb resource-usage

Configure SLB Resource Usage

resource-usage Specification

Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/slb/resource-usage
Element Attributes	resource-usage_attributes
Operational Data URI	/axapi/v3/slb/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/resource-usage

resource-usage attributes

```
POST /axapi/v3/slb/resource-usage
Payload:
{
    "resource-usage": {
        "client-ssl-template-count": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/resource-usage

resource-usage attributes

```
GET /axapi/v3/slb/resource-usage
Reponse:
{
    "resource-usage": {
        "client-ssl-template-count": 32,
        "conn-reuse-template-count": 128,
        "fast-tcp-template-count": 128,
        "fast-udp-template-count": 128,
        "http-template-count": 128,
        "cache-template-count": 128,
        "nat-pool-addr-count": 10,
        "persist-cookie-template-count": 128,
        "persist-srcip-template-count": 128,
        "proxy-template-count": 128,
        "real-port-count": 256,
        "real-server-count": 128,
        "server-ssl-template-count": 128,
        "service-group-count": 128,
        "stream-template-count": 128,
        "virtual-port-count": 128,
        "virtual-server-count": 64,
        "health-monitor-count": 1023,
        "pbslb-subnet-count": 65536,
        "slb-threshold-res-usage-percent": 0,
        "uuid": "f859a5d2-c1cf-11e8-adac-7750a01e0bd4",
        "a10-url": "/axapi/v3/slb/resource-usage"
    }
}
```

Modify Object

POST

/axapi/v3/slb/resource-usage

resource-usage attributes

Replace Object

PUT

/axapi/v3/slb/resource-usage

resource-usage attributes

```
PUT /axapi/v3/slb/resource-usage
Payload:
{
    "resource-usage": {
        "client-ssl-template-count": 33
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/resource-usage

resource-usage attributes

```
DELETE /axapi/v3/slb/resource-usage
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Changes will come into effect next time you reload the Software."
    }
}
```

resource-usage attributes

cache-template-count

Description Total configurable HTTP Cache Templates in the System

Type: number

client-ssl-template-count

Description Total configurable Client SSL Templates in the System

Type: number

conn-reuse-template-count

Description Total configurable Connection reuse Templates in the System

Type: number

fast-tcp-template-count

Description Total configurable Fast TCP Templates in the System

Type: number

fast-udp-template-count

Description Total configurable Fast UDP Templates in the System

Type: number

fix-template-count

Description Total configurable FIX Templates in the System

Type: number

gslb-device-count

Description Total GSLB devices in the System

Type: number

gslb-geo-location-count

Description Total GSLB geo-location in the System

Type: number

gslb-ip-list-count

Description Total GSLB ip-list in the System

Type: number

gslb-policy-count

Description Total GSLB policies in the System

Type: number

gslb-service-count

Description Total GSLB services in the System

Type: number

gslb-service-ip-count

Description Total GSLB service-ip in the System

Type: number

gslb-service-port-count

Description Total GSLB service-port in the System

Type: number

gslb-site-count

Description Total GSLB sites in the System

Type: number

gslb-svc-group-count

Description Total GSLB services in the System

Type: number

gslb-template-count

Description Total GSLB templates in the System

Type: number

gslb-zone-count

Description Total GSLB zones in the System

Type: number

health-monitor-count

Description Total Health Monitors in the System

Type: number

http-template-count

Description Total configurable HTTP Templates in the System

Type: number

link-cost-template-count

Description Total configurable Link-cost Templates in the System

Type: number

nat-pool-addr-count

Description Total configurable NAT Pool addresses in the System

Type: number

pbslb-subnet-count

Description Total PBSLB Subnets in the System

Type: number

persist-cookie-template-count

Description Total configurable Persistent cookie Templates in the System

Type: number

persist-srcip-template-count

Description Total configurable Source IP Persistent Templates in the System

Type: number

proxy-template-count

Description Total configurable Proxy Templates in the System

Type: number

real-port-count

Description Total Real Server Ports in the System

Type: number

real-server-count

Description Total Real Servers in the System

Type: number

server-ssl-template-count

Description Total configurable Server SSL Templates in the System

Type: number

service-group-count

Description Total Service Groups in the System

Type: number

slb-threshold-res-usage-percent

Description Enter the threshold as a percentage (Threshold in percentage(default is 0%))

Type: number

Range: 0-99

Default: 0

stream-template-count

Description Total configurable Streaming media in the System

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-count

Description Total Virtual Server Ports in the System

Type: number

virtual-server-count

Description Total Virtual Servers in the System

Type: number

operational data

	Counter	Size	Description
	service-group-min	number	service-group-min
	service-group-default	number	service-group-default
	service-group-max	number	service-group-max
	gslb-service-port-count-max	number	gslb-service-port-count-max
	slb-threshold-res-usage-default	number	slb-threshold-res-usage-default

continues on next page

Table 2.43 – continued from previous page

	Counter	Size	Description
	gslb-service-port-count-min	number	gslb-service-port-count-min
	health-monitor-count-default	number	health-monitor-count-default
	gslb-template-count-min	number	gslb-template-count-min
	gslb-policy-count-default	number	gslb-policy-count-default
	proxy-template-default	number	proxy-template-default
	client-ssl-template-min	number	client-ssl-template-min
	client-ssl-template-default	number	client-ssl-template-default
	fast-tcp-template-min	number	fast-tcp-template-min
	fast-tcp-template-max	number	fast-tcp-template-max
	client-ssl-template-max	number	client-ssl-template-max
	gslb-site-count-min	number	gslb-site-count-min
	gslb-service-count-max	number	gslb-service-count-max
	cache-template-max	number	cache-template-max
	gslb-template-count-max	number	gslb-template-count-max
	cache-template-min	number	cache-template-min
	gslb-ip-list-count-min	number	gslb-ip-list-count-min
	pbslb-subnet-count-min	number	pbslb-subnet-count-min
	gslb-service-count-min	number	gslb-service-count-min
	link-cost-template-default	number	link-cost-template-default

continues on next page

Table 2.43 – continued from previous page

	Counter	Size	Description
	real-port-max	number	real-port-max
	nat-pool-addr-max	number	nat-pool-addr-max
	gslb-geo-location-count-min	number	gslb-geo-location-count-min
	real-server-min	number	real-server-min
	virtual-server-default	number	virtual-server-default
	gslb-device-count-max	number	gslb-device-count-max
	gslb-template-count-default	number	gslb-template-count-default
	cache-template-default	number	cache-template-default
	fast-udp-template-max	number	fast-udp-template-max
	fast-udp-template-min	number	fast-udp-template-min
	gslb-geo-location-count-max	number	gslb-geo-location-count-max
	gslb-site-count-max	number	gslb-site-count-max
	gslb-service-ip-count-max	number	gslb-service-ip-count-max
	gslb-device-count-min	number	gslb-device-count-min
	gslb-zone-count-min	number	gslb-zone-count-min
	gslb-service-ip-count-min	number	gslb-service-ip-count-min
	gslb-service-count-default	number	gslb-service-count-default
	persist-cookie-template-default	number	persist-cookie-template-default
	fast-udp-template-default	number	fast-udp-template-default
	real-server-default	number	real-server-default

continues on next page

Table 2.43 – continued from previous page

	Counter	Size	Description
	gslb-zone-count-max	number	gslb-zone-count-max
	gslb-device-count-default	number	gslb-device-count-default
	conn-reuse-template-min	number	conn-reuse-template-min
	real-port-default	number	real-port-default
	proxy-template-max	number	proxy-template-max
	http-template-default	number	http-template-default
	persist-srcip-template-default	number	persist-srcip-template-default
	gslb-policy-count-max	number	gslb-policy-count-max
	gslb-svcgroup-count-max	number	gslb-svcgroup-count-max
	proxy-template-min	number	proxy-template-min
	gslb-policy-count-min	number	gslb-policy-count-min
	gslb-geo-location-count-default	number	gslb-geo-location-count-default
	gslb-zone-count-default	number	gslb-zone-count-default
	server-ssl-template-default	number	server-ssl-template-default
	server-ssl-template-min	number	server-ssl-template-min
	slb-threshold-res-usage-min	number	slb-threshold-res-usage-min
	virtual-port-max	number	virtual-port-max
	gslb-ip-list-count-max	number	gslb-ip-list-count-max
	persist-cookie-template-min	number	persist-cookie-template-min

continues on next page

Table 2.43 – continued from previous page

	Counter	Size	Description
	slb-threshold-res-usage-max	number	slb-threshold-res-usage-max
	server-ssl-template-max	number	server-ssl-template-max
	gslb-site-count-default	number	gslb-site-count-default
	fix-template-default	number	fix-template-default
	gslb-ip-list-count-default	number	gslb-ip-list-count-default
	virtual-server-max	number	virtual-server-max
	real-server-max	number	real-server-max
	conn-reuse-template-default	number	conn-reuse-template-default
	persist-cookie-template-max	number	persist-cookie-template-max
	virtual-server-min	number	virtual-server-min
	stream-template-max	number	stream-template-max
	fast-tcp-template-default	number	fast-tcp-template-default
	virtual-port-min	number	virtual-port-min
	nat-pool-addr-min	number	nat-pool-addr-min
	real-port-min	number	real-port-min
	virtual-port-default	number	virtual-port-default
	fix-template-min	number	fix-template-min
	pbslb-subnet-count-max	number	pbslb-subnet-count-max
	gslb-service-port-count-default	number	gslb-service-port-count-default
	persist-srcip-template-min	number	persist-srcip-template-min

continues on next page

Table 2.43 – continued from previous page

	Counter	Size	Description
	stream-template-min	number	stream-template-min
	fix-template-max	number	fix-template-max
	nat-pool-addr-default	number	nat-pool-addr-default
	link-cost-template-min	number	link-cost-template-min
	http-template-max	number	http-template-max
	link-cost-template-max	number	link-cost-template-max
	stream-template-default	number	stream-template-default
	gslb-svcgroup-count-default	number	gslb-svcgroup-count-default
	health-monitor-count-min	number	health-monitor-count-min
	pbslb-subnet-count-default	number	pbslb-subnet-count-default
	health-monitor-count-max	number	health-monitor-count-max
	persist-srcip-template-max	number	persist-srcip-template-max
	conn-reuse-template-max	number	conn-reuse-template-max
	http-template-min	number	http-template-min
	gslb-svcgroup-count-min	number	gslb-svcgroup-count-min
	gslb-service-ip-count-default	number	gslb-service-ip-count-default

2.92.51 slb server

Server

server Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-list*
Collection URI	/axapi/v3/slb/server
Element Name	server
Element URI	/axapi/v3/slb/server/{name}
Element Attributes	server_attributes
Statistics Data URI	/axapi/v3/slb/server/{name}/stats
Operational Data URI	/axapi/v3/slb/server/{name}/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server

server attributes

```
POST /axapi/v3/slb/server/
Payload:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1",
        "host": "4.4.4.4"
    }
}
```

Create List

POST

/axapi/v3/slb/server

server attributes

Get Object

GET

/axapi/v3/slb/server/{name}

server attributes

```
GET /axapi/v3/slb/server/a
Reponse:
```

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```
{
    "server": {
        "name": "a",
        "host": "4.4.4.4",
        "use-aam-server": 0,
        "action": "enable",
        "template-server": "default",
        "conn-limit": 64000000,
        "no-logging": 0,
        "weight": 1,
        "slow-start": 0,
        "spoofing-cache": 0,
        "stats-data-action": "stats-data-enable",
        "extended-stats": 0,
        "uuid": "3021b1c8-611b-11d9-93cf-001fa00680a0",
        "a10-url": "/axapi/v3/slb/server/a"
    }
}
```

Get List

GET

/axapi/v3/slb/server

server-list

Modify Object

POST

/axapi/v3/slb/server/{name}

server attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}

server attributes

```
PUT /axapi/v3/slb/server/a
Payload:
{
    "server": {
        "name": "a",
        "host": "4.4.4.4"
    }
}
```

Replace List

PUT

/axapi/v3/slb/server

server-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}

server attributes

```
DELETE /axapi/v3/slb/server/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

...

]

server attributes

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server; 'disable-with-health-check': disable real server, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-server

Type: List

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume (Connection Resume (min active conn before resume taking new conn))

Type: number

Range: 1-1000000

ethernet

Description ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description External IP address for NAT of GSLB

Type: string

Format: ipv4-address

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fqdn-name server-ipv6-addr and host are mutually exclusive

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check shared-partition-health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disablehealth-check, shared-partition-health-check and health-check-shared are mutually exclusive

health-check-shared

Description Health Check Monitor (Health monitor name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check-shared and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

host

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: host server-ipv6-addr and fqdn-name are mutually exclusive

ipv6

Description IPv6 address Mapping of GSLB

Type: string

Format: ipv6-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-list

Type: List

Refernce Object: */axapi/v3/slb/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: server-ipv6-addr host and fqdn-name are mutually exclusive

shared-partition-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-health-check health-check and health-check-disable are mutually exclusive

shared-partition-server-template

Description Reference a server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-template and template-server are mutually exclusive

slow-start

Description Slowly ramp up the connection number after server is up (start from 128, then double every 10 sec till 4096)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description This server is a spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

template-link-cost

Description Link-Cost template (Link-Cost template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/link-cost*

template-server

Description Server template (Server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-server and shared-partition-server-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/server*

template-server-shared

Description Server Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server*

trunk

Description trunk interface

Type: number

Range: 1-4096

Refernce Object: */axapi/v3/interface/trunk*

use-aam-server

Description Using aam server. For health check, please configure it in aam server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for this Real Server (Connection Weight)

Type: number

Range: 1-1000

Default: 1

port-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-port

Type: List

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *port-list_auth-cfg*

Type: Object

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume

Type: number

Range: 1-1000000

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-checkshared-rport-health-check, health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disablehealth-check, shared-rport-health-check, rport-health-check-shared and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port health-check and health-check-disable are mutually exclusive

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

range

Description Port range (Port range value - used for vip-to-rport-mapping)

Type: number

Range: 0-254

Default: 0

rport-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: rport-health-check-shared and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

sampling-enable

Type: List

shared-partition-port-template

Description Reference a port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-port-template and template-port are mutually exclusive

shared-rport-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-rport-health-check health-check and health-check-disable are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

support-http2

Description Starting HTTP/2 with Prior Knowledge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-port and shared-partition-port-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/port*

template-port-shared

Description Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/port*

template-server-ssl

Description Server side SSL template (Server side SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Port Weight (Connection Weight)

Type: number

Range: 1-1000

Default: 1

port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

port-list_alternate-port

Specification	
Type	*list*
Block object keys	

alternate

Description Alternate Server Number

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

alternate-server-port

Description Port (Alternate Server Port Value)

Type: number

Range: 1-65535

port-list_auth-cfg

Specification	
Type	*object*

service-principal-name

Description Service Principal Name (Kerberos principal name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

alternate-server

Specification	
Type	*list*
Block object keys	

alternate

Description Alternate Server (Alternate Server Number)

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-conn': Total connections; 'fwd-pkt': Forward packets; 'rev-pkt': Reverse packets; 'peak-conn': Peak connections; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, total-conn, fwd-pkt, rev-pkt, peak-conn, total_req, total_req_succ, curr_ssl_conn, total_ssl_conn, total_fwd_bytes, total_rev_bytes, total_fwd_pkts, total_rev_pkts, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts

stats data

	Counter	Size	Description
	peak-conn	8	Peak number of established connections
	rev-pkt	8	Reverse Packets Processed
	total_rev_bytes	8	Bytes processed in reverse direction
	total_fwd_pkts	8	Packets processed in forward direction
	total_ssl_conn	8	Total SSL connections established
	ip_only_lb_fwd_pkts	8	IP-Only-LB Packets processed in forward direction
	ip_only_lb_fwd_bytes	8	IP-Only-LB Bytes processed in forward direction
	total_req_succ	8	Total Requests succeeded
	total_req	8	Total Requests processed
	total-conn	8	Total established connections
	total_rev_pkts	8	Packets processed in reverse direction
	curr_ssl_conn	8	Current SSL connections established
	curr-conn	8	Current established connections
	ip_only_lb_rev_bytes	8	IP-Only-LB Bytes processed in reverse direction
	fwd-pkt	8	Forward Packets Processed
	total_fwd_bytes	8	Bytes processed in forward direction
	ip_only_lb_rev_pkts	8	IP-Only-LB Packets processed in reverse direction

operational data

	Counter	Size	Description
	conn_rate_unit	string	conn_rate_unit
	weight	number	weight
	dns_update_time	string	dns_update_time
	creation_type	string	creation_type
	server_ttl	number	server_ttl
	curr_observe_rate	number	curr_observe_rate
	curr_conn_rate	number	curr_conn_rate
	state	enum	Output contains one of the following values: - Up, Down, Disabled, Maintenance, Unknown, Functional Up, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-UNKNOWN
	disable	number	disable
	drs-list		drs-list
	slow_start_conn_limit	number	slow_start_conn_limit
	is_autocreate	number	is_autocreate
	srv_gateway_arp	mac-address	srv_gateway_arp

2.92.52 slb server-group

server-group

server-group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-group-list*
Collection URI	/axapi/v3/slb/server-group
Element Name	server-group
Element URI	/axapi/v3/slb/server-group/{name}
Element Attributes	server-group_attributes
Statistics Data URI	/axapi/v3/slb/server-group/{name}/stats
Schema	`server-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server-group

server-group attributes

Create List

POST

/axapi/v3/slb/server-group

server-group attributes

Get Object

GET

/axapi/v3/slb/server-group/{name}

server-group attributes

Get List

GET

/axapi/v3/slb/server-group

server-group-list

Modify Object

POST

/axapi/v3/slb/server-group/{name}

server-group attributes

Replace Object

PUT

/axapi/v3/slb/server-group/{name}

server-group attributes

Replace List

PUT

/axapi/v3/slb/server-group

server-group-list

Delete Object

DELETE

/axapi/v3/slb/server-group/{name}

server-group attributes

server-group-list

server-group-list is **JSON List** of *server-group attributes*

server-group-list : [

{ *server-group attributes* },

{ *server-group attributes* },

...

]

server-group attributes

member-list

Type: List

Refernce Object: */axapi/v3/slb/server-group/{name}/member/{name}*

name

Description server-group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list

Specification	
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all;

Type: string

Supported Values: all

stats data

	Counter	Size	Description
	dummy-conn	8	Current established connections

2.92.53 slb server-group member

Server Group Member

member Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*member-list*
Collection URI	/axapi/v3/slb/server-group/{name}/member
Element Name	member
Element URI	/axapi/v3/slb/server-group/{name}/member/{name}
Element Attributes	member_attributes
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server-group/{name}/member

member attributes

Create List

POST

/axapi/v3/slb/server-group/{name}/member

member attributes

Get Object

GET

/axapi/v3/slb/server-group/{name}/member/{name}

member attributes

Get List

GET

/axapi/v3/slb/server-group/{name}/member

member-list

Modify Object

POST

/axapi/v3/slb/server-group/{name}/member/{name}

member attributes

Replace Object

PUT

/axapi/v3/slb/server-group/{name}/member/{name}

member attributes

Replace List

PUT

/axapi/v3/slb/server-group/{name}/member

member-list

Delete Object

DELETE

/axapi/v3/slb/server-group/{name}/member/{name}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.54 slb server port

Real Server Port

port Specification

Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/server/{name}/port
Element Name	port
Element URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Statistics Data URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/stats
Operational Data URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}/port

port attributes

Create List

POST

/axapi/v3/slb/server/{name}/port

port attributes

Get Object

GET

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/slb/server/{name}/port

port-list

Modify Object

POST

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/slb/server/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-port

Type: List

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *auth-cfg*

Type: Object

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume

Type: number

Range: 1-1000000

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-checkshared-rport-health-check, health-check-follow-port and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disablehealth-check, shared-rport-health-check, rport-health-check-shared and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port health-check and health-check-disable are mutually exclusive

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

range

Description Port range (Port range value - used for vip-to-rport-mapping)

Type: number

Range: 0-254

Default: 0

rport-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: rport-health-check-shared and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

sampling-enable

Type: List

shared-partition-port-template

Description Reference a port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-port-template and template-port are mutually exclusive

shared-rport-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-rport-health-check health-check and health-check-disable are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

support-http2

Description Starting HTTP/2 with Prior Knowledge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-port and shared-partition-port-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/port*

template-port-shared

Description Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/port*

template-server-ssl

Description Server side SSL template (Server side SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Port Weight (Connection Weight)

Type: number

Range: 1-1000

Default: 1

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

alternate-port

Specification	
Type	*list*
Block object keys	

alternate

Description Alternate Server Number

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

alternate-server-port

Description Port (Alternate Server Port Value)

Type: number

Range: 1-65535

auth-cfg

Specification	
Type	*object*

service-principal-name

Description Service Principal Name (Kerberos principal name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

stats port-diameter

	Counter	Size	Description
	ccr_in	2	Number of CCRs in
	svrsel_fail	2	Number of server selection failed
	curr	2	Current
	acr_out	2	Number of ACRs out
	dwr_in	2	Number of DWRs in
	cca_in	2	Number of CCAs in
	num	2	Number
	no_route	2	Number of no routes
	server_fail	2	Number of server failures
	user_session	2	Number of user sessions
	ccr_out	2	Number of CCRs out
	aca_out	2	Number of ACAs out
	sta_in	2	Number of STAs in
	total	2	Total
	dwa_in	2	Number of DWAs in
	dwa_out	2	Number of DWAs out
	asa_in	2	Number of ASAs in
	asr_out	2	Number of ASRs out
	cca_out	2	Number of CCAs out
	aca_in	2	Number of ACAs in
	dwr_out	2	Number of DWRs out
	dpa_out	2	Number of DPAs out
	other_out	2	Number of other messages out
	cea_out	2	Number of CEAs out
	dpr_in	2	Number of DPRs in
	asr_in	2	Number of ASRs in
	cer_in	2	Number of CERs in
	str_in	2	Number of STRs in
	sta_out	2	Number of STAs out
	snat_fail	2	Number of snat failures
	client_fail	2	Number of client failures
	cer_out	2	Number of CERs out
	str_out	2	Number of STRs out
	cea_in	2	Number of CEAs in
	asa_out	2	Number of ASAs out
	no_sess	2	Number of no sessions
	dpa_in	2	Number of DPAs in
	dpr_out	2	Number of DPRs out
	other_in	2	Number of other messages in
	acr_in	2	Number of ACRs in

stats data

	Counter	Size	Description
	es_resp_invalid_http	8	Total non-http response
	curr_req	8	Current requests
	total_rev_pkts_inspected_good_status_code	8	Total reverse packets with good status code inspected
	resp-1xx	8	Response status 1xx
	curr_ssl_conn	8	Current SSL connections
	resp-2xx	8	Response status 2xx
	es_resp_count	8	Total proxy response
	total_fwd_bytes	8	Bytes processed in forward direction
	es_resp_other	8	Response status other
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Packets processed in forward direction
	resp-3xx	8	Response status 3xx
	resp-latency	8	Time to First Response Byte
	resp-count	8	Total Response Count
	es_req_count	8	Total proxy requests
	resp-other	8	Response status Other
	es_resp_500	8	Response status 500
	peak_conn	8	Peak connections
	total_req	8	Total Requests
	es_resp_400	8	Response status 400
	es_resp_300	8	Response status 300
	curr_pconn	8	Current persistent connections
	curr_conn	8	Current connections
	es_resp_200	8	Response status 200
	total_rev_bytes	8	Bytes processed in reverse direction
	response_time	8	Response time
	resp-4xx	8	Response status 4xx
	total_ssl_conn	8	Total SSL connections
	total_conn	8	Total connections
	total_rev_pkts	8	Packets processed in reverse direction
	total_req_succ	8	Total requests succ
	last_total_conn	8	Last total connections
	total_rev_pkts_inspected	8	Total reverse packets inspected
	resp-5xx	8	Response status 5xx
	slowest_rsp_time	8	Slowest response time

operational data

	Counter	Size	Description
	down_grace_period_allowed	number	down_grace_period_allowed
	nat-pool-addr-list		nat-pool-addr-list
	drs-ip-nat-list		drs-ip-nat-list
	drs-auto-nat-list		drs-auto-nat-list
	auto-nat-addr-list		auto-nat-addr-list
	aflow_queue_size	number	aflow_queue_size
	current_time	number	current_time
	state	enum	Output contains one of the following values: - Up, Down, Disabled, Maintenance, Unknown, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-DAMP
	slow_start_conn_limit	number	slow_start_conn_limit
	resv_conn	number	resv_conn
	pool_name	string-rlx	pool_name
	hm-index	number	hm-index
	down_time_grace_period	number	down_time_grace_period
	in-band_hm_reassign_num	number	inband_hm_reassign_num
	curr_observe_rate	number	curr_observe_rate
	curr_conn_rate	number	curr_conn_rate
	disable	number	disable
	aflow_conn_limit	number	aflow_conn_limit
	diame-ter_enabled	number	diameter_enabled
	soft_down_time	number	soft_down_time
	hm-key	number	hm-key
	es_resp_time	number	es_resp_time
	conn_rate_unit	string	conn_rate_unit

2.92.55 slb service-group

Service Group

service-group Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/slb/service-group
Element Name	service-group
Element URI	/axapi/v3/slb/service-group/{name}
Element Attributes	service-group_attributes
Statistics Data URI	/axapi/v3/slb/service-group/{name}/stats
Operational Data URI	/axapi/v3/slb/service-group/{name}/oper
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/service-group

service-group attributes

```
POST /axapi/v3/slb/service-group/
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/service-group

service-group attributes

Get Object

GET

/axapi/v3/slb/service-group/{name}

service-group attributes

```
GET /axapi/v3/slb/service-group/a
Reponse:
{
    "service-group": {
        "name": "a",
        "protocol": "tcp",
        "lb-method": "round-robin",
```

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```
        "stateless-auto-switch": 0,
        "reset-on-server-selection-fail": 0,
        "priority-affinity": 0,
        "backup-server-event-log": 0,
        "strict-select": 0,
        "stats-data-action": "stats-data-enable",
        "extended-stats": 0,
        "traffic-replication-mirror": 0,
        "sample-rsp-time": 0,
        "persist-scoring": "global",
        "uuid": "e09dc51e-611b-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/service-group/a"
    }
}
```

Get List

GET

/axapi/v3/slb/service-group

service-group-list

Modify Object

POST

/axapi/v3/slb/service-group/{name}

service-group attributes

Replace Object

PUT

/axapi/v3/slb/service-group/{name}

service-group attributes

```
PUT /axapi/v3/slb/service-group/a
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/service-group

service-group-list

Delete Object

DELETE

/axapi/v3/slb/service-group/{name}

service-group attributes

```
DELETE /axapi/v3/slb/service-group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

backup-server-event-log

Description Send log info on back up server events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate

Description Dynamically enable stateless method by conn-rate (Rate to trigger stateless method(conn/sec))

Type: number

Range: 1-1000000

Mutual Exclusion: conn-rate and l4-session-usage are mutually exclusive

conn-rate-duration

Description Period that trigger condition consistently happens(seconds)

Type: number

Range: 1-600

conn-rate-grace-period

Description Define the grace period during transition (Define the grace period during transition(seconds))

Type: number

Range: 1-600

conn-rate-log

Description Send log if transition happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-revert-duration

Description Period that revert condition consistently happens(seconds)

Type: number

Range: 1-600

conn-revert-rate

Description Rate to revert to statelful method (conn/sec)

Type: number

Range: 1-1000000

extended-stats

Description Enable extended statistics on service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check shared-partition-svcgrp-health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disablehealth-check, shared-partition-svcgrp-health-check and svcgrp-health-check-shared are mutually exclusive

l4-session-revert-duration

Description Period that revert condition consistently happens(seconds)

Type: number

Range: 1-600

l4-session-usage

Description Dynamically enable stateless method by session usage (Usage to trigger stateless method)

Type: number

Range: 1-100

Mutual Exclusion: l4-session-usage and conn-rate are mutually exclusive

l4-session-usage-duration

Description Period that trigger condition consistently happens(seconds)

Type: number

Range: 1-600

l4-session-usage-grace-period

Description Define the grace period during transition (Define the grace period during transition(seconds))

Type: number

Range: 1-600

l4-session-usage-log

Description Send log if transition happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4-session-usage-revert-rate

Description Usage to revert to statelful method

Type: number

Range: 1-100

lb-method

Description 'dst-ip-hash': Load-balancing based on only Dst IP and Port hash; 'dst-ip-only-hash': Load-balancing based on only Dst IP hash; 'fastest-response': Fastest response time on service port level; 'least-request': Least request on service port level; 'src-ip-hash': Load-balancing based on only Src IP and Port hash; 'src-ip-only-hash': Load-balancing based on only Src IP hash; 'weighted-rr': Weighted round robin on server level; 'round-robin': Round robin on server level; 'round-robin-strict': Strict mode round robin on server level; 'odd-even-hash': odd/even hash based of client src-ip;

Type: string

Supported Values: dst-ip-hash, dst-ip-only-hash, fastest-response, least-request, src-ip-hash, src-ip-only-hash, weighted-rr, service-weighted-rr, round-robin, round-robin-strict, odd-even-hash

Default: round-robin

Mutual Exclusion: lb-methodlc-method, stateless-lb-method, llb-method and lclb-method are mutually exclusive

lc-method

Description 'least-connection': Least connection on server level; 'service-least-connection': Least connection on service port level; 'weighted-least-connection': Weighted least connection on server level; 'service-weighted-least-connection': Weighted least connection on service port level;

Type: string

Supported Values: least-connection, service-least-connection, weighted-least-connection, service-weighted-least-connection

Mutual Exclusion: lc-methodlb-method, stateless-lb-method, llb-method and lclb-method are mutually exclusive

lclb-method

Description 'link-cost-load-balance': Link cost load balance;

Type: string

Supported Values: link-cost-load-balance

Mutual Exclusion: lclb-methodlb-method, lc-method, stateless-lb-method and llb-method are mutually exclusive

link-probe-template

Description Link Probe template (Link Probe template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/link-probe*

llb-method

Description 'next-hop-link': Server selection w/ link probe template on service port level;

Type: string

Supported Values: next-hop-link

Mutual Exclusion: llb-methodlb-method, lc-method, stateless-lb-method and lclb-method are mutually exclusive

member-list

Type: List

Refernce Object: */axapi/v3/slb/service-group/{name}/member/{name}+{port}*

min-active-member

Description Minimum Active Member Per Priority (Minimum Active Member before Action)

Type: number

Range: 1-1024

min-active-member-action

Description 'dynamic-priority': dynamic change member priority to met the min-active-member requirement; 'skip-pri-set': Skip Current Priority Set If Min not met;

Type: string

Supported Values: dynamic-priority, skip-pri-set

name

Description SLB Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

persist-scoring

Description 'global': Use Global Configuration; 'enable': Enable persist-scoring; 'disable': Disable persist-scoring;

Type: string

Supported Values: global, enable, disable

Default: global

priorities

Type: List

priority-affinity

Description Priority affinity. Persist to the same priority if possible.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

pseudo-round-robin

Description PRR, select the oldest node for sub-select

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

report-delay

Description Reporting frequency (in minutes)

Type: number

Range: 1-7200

reset

Description: reset is a **JSON Block**. Please see below for *reset*

Type: Object

Refernce Object: */axapi/v3/slb/service-group/{name}/reset*

reset-on-server-selection-fail

Description Send reset to client if server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-priority-affinity

Description Reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpt-ext-server

Description Report top 10 fastest/slowest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sample-rsp-time

Description sample server response time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-svcgrp-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-svcgrp-health-check health-check and health-check-disable are mutually exclusive

stateless-auto-switch

Description Enable auto stateless method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateless-lb-method

Description 'stateless-dst-ip-hash': Stateless load-balancing based on Dst IP and Dst port hash; 'stateless-per-pkt-round-robin': Stateless load-balancing using per-packet round-robin; 'stateless-src-dst-ip-hash': Stateless load-balancing based on IP and port hash for both Src and Dst; 'stateless-src-dst-ip-only-hash': Stateless load-balancing based on only IP hash for both Src and Dst; 'stateless-src-ip-hash': Stateless load-balancing based on Src IP and Src port hash; 'stateless-src-ip-only-hash': Stateless load-balancing based on only Src IP hash;

Type: string

Supported Values: stateless-dst-ip-hash, stateless-per-pkt-round-robin, stateless-src-dst-ip-hash, stateless-src-dst-ip-only-hash, stateless-src-ip-hash, stateless-src-ip-only-hash, stateless-per-pkt-weighted-rr, stateless-per-pkt-service-weighted-rr

Mutual Exclusion: stateless-lb-methodlb-method, lc-method, llb-method and lclb-method are mutually exclusive

stateless-lb-method2

Description 'stateless-dst-ip-hash': Stateless load-balancing based on Dst IP and Dst port hash; 'stateless-per-pkt-round-robin': Stateless load-balancing using per-packet round-robin; 'stateless-src-dst-ip-hash': Stateless load-balancing based on IP and port hash for both Src and Dst; 'stateless-src-dst-ip-only-hash': Stateless load-balancing based on only IP hash for both Src and Dst; 'stateless-src-ip-hash': Stateless load-balancing based on Src IP and Src port hash; 'stateless-src-ip-only-hash': Stateless load-balancing based on only Src IP hash;

Type: string

Supported Values: stateless-dst-ip-hash, stateless-per-pkt-round-robin, stateless-src-dst-ip-hash, stateless-src-dst-ip-only-hash, stateless-src-ip-hash, stateless-src-ip-only-hash, stateless-per-pkt-weighted-rr, stateless-per-pkt-service-weighted-rr

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for service group; 'stats-data-disable': Disable statistical data collection for service group;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

strict-select

Description strict selection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svcgrp-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: svcgrp-health-check-shared and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

template-policy

Description Policy template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/port*

template-server

Description Server template (Server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server*

top-fastest

Description Report top 10 fastest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

top-slowest

Description Report top 10 slowest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-replication-mirror

Description Mirror Bi-directional Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirrortraffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl, traffic-replication-mirror-sa-da-repl and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-da-repl

Description Replace Destination MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-da-repltraffic-replication-mirror, traffic-replication-mirror-ip-repl, traffic-replication-mirror-sa-da-repl and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-ip-repltraffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-sa-da-repl and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-sa-da-repl

Description Replace Source MAC and Destination MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-sa-da-repltraffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-sa-repl

Description Replace Source MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-sa-repltraffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl and traffic-replication-mirror-sa-da-repl are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list

Specification	
Type	*list*
Block object keys	

fqdn-name

Description Server hostname - Not applicable if real server is already defined

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

host

Description IP Address - Not applicable if real server is already defined

Type: string

Format: ipv4-address

member-priority

Description Priority of Port in the Group (Priority of Port in the Group, default is 1)

Type: number

Range: 1-16

Default: 1

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port; 'disable-with-health-check': disable member service port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

member-stats-data-disable

Description Disable statistical data collection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

member-template

Description Real server port template (Real server port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/port*

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Refernce Object: */axapi/v3/slb/server/port*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 Address - Not applicable if real server is already defined

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': peak_conn; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

reset

Specification	
Type	*object*

auto-switch

Description Reset auto stateless state

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priorities

Specification	
Type	*list*
Block object keys	

priority

Description Priority option. Define different action for each priority node. (Priority in the Group)

Type: number

Range: 1-16

priority-action

Description 'drop': Drop request when all priority nodes fail; 'drop-if-exceed-limit': Drop request when connection over limit; 'proceed': Proceed to next priority when all priority nodes fail(default); 'reset': Send client reset when all priority nodes fail; 'reset-if-exceed-limit': Send client reset when connection over limit;

Type: string

Supported Values: drop, drop-if-exceed-limit, proceed, reset, reset-if-exceed-limit

Default: proceed

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Service selection fail drop; 'server_selection_fail_reset': Service selection fail reset; 'service_peak_conn': Service peak connection;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn, service_healthy_host, service_unhealthy_host, service_req_count, service_resp_count, service_resp_2xx, service_resp_3xx, service_resp_4xx, service_resp_5xx, service_curr_conn_overflow

stats data

	Counter	Size	Description
	service_resp_2xx	8	Service Group response 2xx count
	service_unhealthy_host	8	Service Group unhealthy host count
	service_curr_conn_overflow	8	Current connection counter overflow count
	service_req_count	8	Service Group request count
	service_healthy_host	8	Service Group healthy host count
	service_resp_count	8	Service Group response count
	service_resp_3xx	8	Service Group response 3xx count
	server_selection_fail_drop	8	Drops due to Service selection failure
	service_resp_4xx	8	Service Group response 4xx count
	server_selection_fail_reset	8	Resets sent out for Service selection failure
	service_peak_conn	8	Peak connection count for the Service Group
	service_resp_5xx	8	Service Group response 5xx count

operational data

	Counter	Size	Description
	pri_affinity_priority	number	pri_affinity_priority
	stateless_type	number	stateless_type
	servers_down	number	servers_down
	servers_total	number	servers_total
	servers_disable	number	servers_disable
	stateless_state	number	stateless_state
	filter	enum	Output contains one of the following values: - sgm-sort-config
	stateless_current_rate	number	stateless_current_rate
	state	enum	Output contains one of the following values: - All Up, Functional Up, Down, Disb, Unkn
	sgm-list		sgm-list
	servers_up	number	servers_up
	stateless_current_usage	number	stateless_current_usage
	hm_dsr_enable_all_vip	number	hm_dsr_enable_all_vip

2.92.56 slb service-group member

Service Group Member

member Specification

Type	*Collection*
Object Key(s)	*name, port*
Collection Name	*member-list*
Collection URI	/axapi/v3/slb/service-group/{name}/member
Element Name	member
Element URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}
Element Attributes	member_attributes
Statistics Data URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}/stats
Operational Data URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}/oper
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/service-group/{name}/member

member attributes

Create List

POST

/axapi/v3/slb/service-group/{name}/member

member attributes

Get Object

GET

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Get List

GET

/axapi/v3/slb/service-group/{name}/member

member-list

Modify Object

POST

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Replace Object

PUT

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Replace List

PUT

/axapi/v3/slb/service-group/{name}/member

member-list

Delete Object

DELETE

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

fqdn-name

Description Server hostname - Not applicable if real server is already defined

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

host

Description IP Address - Not applicable if real server is already defined

Type: string

Format: ipv4-address

member-priority

Description Priority of Port in the Group (Priority of Port in the Group, default is 1)

Type: number

Range: 1-16

Default: 1

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port; 'disable-with-health-check': disable member service port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

member-stats-data-disable

Description Disable statistical data collection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

member-template

Description Real server port template (Real server port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/port*

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Refernce Object: */axapi/v3/slb/server/port*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 Address - Not applicable if real server is already defined

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': peak_conn; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

stats data

	Counter	Size	Description
	curr_req	8	Current requests
	total_fwd_bytes	8	Bytes processed in forward direction
	curr_ssl_conn	8	Current SSL connections
	peak_conn	8	Peak connections
	total_req	8	Total requests
	total_conn	8	Total established connections
	total_ssl_conn	8	Total SSL connections
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Packets processed in forward direction
	total_rev_pkts_inspected_status_code_non_5xx	8	Total reverse packets inspected status code non 5xx
	total_rev_pkts	8	Packets processed in reverse direction
	total_rev_pkts_inspected_status_code_2xx	8	Total reverse packets inspected status code 2xx
	total_req_succ	8	Total requests successful
	state_flaps	8	State flaps count
	curr_conn	8	Current established connections
	total_rev_pkts_inspected	8	Total reverse packets inspected
	curr_conn_overflow	8	Current connection counter overflow count
	total_rev_bytes	8	Bytes processed in reverse direction
	slowest_rsp_time	8	Slowest response time
	response_time	8	Response time

operational data

	Counter	Size	Description
	alt-list		alt-list
	hm-key	number	hm-key
	state	enum	Output contains one of the following values: - UP, DOWN, MAINTENANCE, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-DAMP
	drs-list		drs-list
	hm-index	number	hm-index

2.92.57 slb sip

Show SIP Statistics

sip Specification

Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/slb/sip
Element Attributes	sip_attributes
Statistics Data URI	/axapi/v3/slb/sip/stats
Operational Data URI	/axapi/v3/slb/sip/oper
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/sip

sip attributes

```
POST /axapi/v3/slb/sip
Payload:
{
    "sip": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/sip

sip attributes

```
GET /axapi/v3/slb/sip
Reponse:
{
    "sip": {
        "uuid": "04481976-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
```

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```
        "a10-url": "/axapi/v3/slb/sip"
    }
}
```

Modify Object

POST

/axapi/v3/slb/sip

sip attributes

Replace Object

PUT

/axapi/v3/slb/sip

sip attributes

```
PUT /axapi/v3/slb/sip
Payload:
{
    "sip": {
        "sampling-enable": [
            {
                "counters1": "msg_proxy_current"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/sip

sip attributes

```
DELETE /axapi/v3/slb/sip
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_proxy_current': Number of current sip proxy connections; 'msg_proxy_total': Total number of sip proxy connections; 'msg_proxy_mem_allocd': msg_proxy_mem_allocd; 'msg_proxy_mem_cached': msg_proxy_mem_cached; 'msg_proxy_mem_freed': msg_proxy_mem_freed; 'msg_proxy_client_recv': Number of SIP messages received from client; 'msg_proxy_client_send_success': Number of SIP messages received from client and forwarded to server; 'msg_proxy_client_incomplete': Number of packet which contains incomplete message; 'msg_proxy_client_drop': Number of AX drop; 'msg_proxy_client_connection': Connecting server; 'msg_proxy_client_fail': Number of SIP messages received from client but failed to forward to server; 'msg_proxy_client_fail_parse': msg_proxy_client_fail_parse; 'msg_proxy_client_fail_process': msg_proxy_client_fail_process; 'msg_proxy_client_fail_snat': msg_proxy_client_fail_snat; 'msg_proxy_client_exceed_tmp_buff': msg_proxy_client_exceed_tmp_buff; 'msg_proxy_client_fail_send_pkt': msg_proxy_client_fail_send_pkt; 'msg_proxy_client_fail_start_server_Conn': msg_proxy_client_fail_start_server_Conn; 'msg_proxy_server_recv': Number of SIP messages received from server; 'msg_proxy_server_send_success': Number of SIP messages received from server and forwarded to client; 'msg_proxy_server_incomplete': Number of packet which contains incomplete message; 'msg_proxy_server_drop': Number of AX drop; 'msg_proxy_server_fail': Number of SIP messages received from server but failed to forward to client; 'msg_proxy_server_fail_parse': msg_proxy_server_fail_parse; 'msg_proxy_server_fail_process': msg_proxy_server_fail_process; 'msg_proxy_server_fail_selec_connt': msg_proxy_server_fail_selec_connt; 'msg_proxy_server_fail_snat': msg_proxy_server_fail_snat; 'msg_proxy_server_exceed_tmp_buff': msg_proxy_server_exceed_tmp_buff; 'msg_proxy_server_fail_send_pkt': msg_proxy_server_fail_send_pkt; 'msg_proxy_create_server_conn': Number of server connection system tries to create; 'msg_proxy_start_server_conn': Number of server connection created successfully; 'msg_proxy_fail_start_server_conn': Number of server connection create failed; 'msg_proxy_server_conn_fail_snat': msg_proxy_server_conn_fail_snat; 'msg_proxy_fail_construct_server_conn': msg_proxy_fail_construct_server_conn; 'msg_proxy_fail_reserve_pconn':

msg_proxy_fail_reserve_pconn; 'msg_proxy_start_server_conn_failed': msg_proxy_start_server_conn_failed; 'msg_proxy_server_conn_already_exists': msg_proxy_server_conn_already_exists; 'msg_proxy_fail_insert_server_conn': msg_proxy_fail_insert_server_conn; 'msg_proxy_parse_msg_fail': msg_proxy_parse_msg_fail; 'msg_proxy_process_msg_fail': msg_proxy_process_msg_fail; 'msg_proxy_no_vport': msg_proxy_no_vport; 'msg_proxy_fail_select_server': msg_proxy_fail_select_server; 'msg_proxy_fail_alloc_mem': msg_proxy_fail_alloc_mem; 'msg_proxy_unexpected_err': msg_proxy_unexpected_err; 'msg_proxy_l7_cpu_failed': msg_proxy_l7_cpu_failed; 'msg_proxy_l4_to_l7': msg_proxy_l4_to_l7; 'msg_proxy_l4_from_l7': msg_proxy_l4_from_l7; 'msg_proxy_to_l4_send_pkt': msg_proxy_to_l4_send_pkt; 'msg_proxy_l4_from_l4_send': msg_proxy_l4_from_l4_send; 'msg_proxy_l7_to_L4': msg_proxy_l7_to_L4; 'msg_proxy_mag_back': msg_proxy_mag_back; 'msg_proxy_fail_dcmsg': msg_proxy_fail_dcmsg; 'msg_proxy_deprecated_conn': msg_proxy_deprecated_conn; 'msg_proxy_hold_msg': msg_proxy_hold_msg; 'msg_proxy_split_pkt': msg_proxy_split_pkt; 'msg_proxy_pipline_msg': msg_proxy_pipline_msg; 'msg_proxy_client_reset': msg_proxy_client_reset; 'msg_proxy_server_reset': msg_proxy_server_reset; 'session_created': SIP Session created; 'session_freed': SIP Session freed; 'session_in_rml': session_in_rml; 'session_invalid': session_invalid; 'conn_allocd': conn_allocd; 'conn_freed': conn_freed; 'session_callid_allocd': session_callid_allocd; 'session_callid_freed': session_callid_freed; 'line_mem_allocd': line_mem_allocd; 'line_mem_freed': line_mem_freed; 'table_mem_allocd': table_mem_allocd; 'table_mem_freed': table_mem_freed; 'cmsg_no_uri_header': cmsg_no_uri_header; 'cmsg_no_uri_session': cmsg_no_uri_session; 'sg_no_uri_header': sg_no_uri_header; 'smsg_no_uri_session': smsg_no_uri_session; 'line_too_long': line_too_long; 'fail_read_start_line': fail_read_start_line; 'fail_parse_start_line': fail_parse_start_line; 'invalid_start_line': invalid_start_line; 'request_unknow_version': request_unknow_version; 'response_unknow_version': response_unknow_version; 'request_unknow': request_unknow; 'fail_parse_headers': fail_parse_headers; 'too_many_headers': too_many_headers; 'invalid_header': invalid_header; 'header_name_too_long': header_name_too_long; 'body_too_big': body_too_big; 'fail_get_counter': fail_get_counter; 'msg_no_call_id': msg_no_call_id; 'identify_dir_failed': identify_dir_failed; 'no_sip_request': no_sip_request; 'deprecated_msg': deprecated_msg; 'fail_insert_callid_session': fail_insert_callid_session; 'fail_insert_uri_session': fail_insert_uri_session; 'fail_insert_header': fail_insert_header; 'select_server_conn': select_server_conn; 'select_server_conn_by_callid': select_server_conn_by_callid; 'select_server_conn_by_uri': select_server_conn_by_uri; 'select_server_conn_by_rev_tuple': select_server_conn_by_rev_tuple; 'select_server_conn_failed': select_server_conn_failed; 'select_client_conn': select_client_conn; 'X_forward_for_select_client': X_forward_for_select_client; 'call_id_select_client': call_id_select_client; 'uri_select_client': uri_select_client; 'client_select_failed': client_select_failed; 'acl_denied': acl_denied; 'assemble_frag_failed': assemble_frag_failed; 'wrong_ip_version': wrong_ip_version; 'size_too_large': size_too_large; 'fail_split_fragment': fail_split_fragment; 'client_keepalive_received': client_keepalive_received; 'server_keepalive_received': server_keepalive_received; 'client_keepalive_send': client_keepalive_send; 'server_keepalive_send': server_keepalive_send; 'ax_health_check_received': ax_health_check_received; 'client_request': client_request; 'client_request_ok': client_request_ok; 'concatenate_msg': concatenate_msg; 'save_uri': save_uri; 'save_uri_ok': save_uri_ok; 'save_call_id': save_call_id; 'save_call_id_ok': save_call_id_ok; 'msg_translation': msg_translation; 'msg_translation_fail': msg_translation_fail; 'msg_trans_start_line': msg_trans_start_line; 'msg_trans_start_headers': msg_trans_start_headers; 'msg_trans_body': msg_trans_body; 'request_register': request_register; 'request_invite': request_invite; 'request_ack': request_ack; 'request_cancel': request_cancel; 'request_bye': request_bye; 'request_options': request_options; 'request_prack': re-

quest_prack; 'request_subscribe': request_subscribe; 'request_notify': request_notify; 'request_publish': request_publish; 'request_info': request_info; 'request_refer': request_refer; 'request_message': request_message; 'request_update': request_update; 'response_unknow': response_unknow; 'response_1XX': response_1XX; 'response_2XX': response_2XX; 'response_3XX': response_3XX; 'response_4XX': response_4XX; 'response_5XX': response_5XX; 'response_6XX': response_6XX; 'ha_send_sip_session': ha_send_sip_session; 'ha_send_sip_session_ok': ha_send_sip_session_ok; 'ha_fail_get_msg_header': ha_fail_get_msg_header; 'ha_recv_sip_session': ha_recv_sip_session; 'ha_insert_sip_session_ok': ha_insert_sip_session_ok; 'ha_update_sip_session_ok': ha_update_sip_session_ok; 'ha_invalid_pkt': ha_invalid_pkt; 'ha_fail_alloc_sip_session': ha_fail_alloc_sip_session; 'ha_fail_alloc_call_id': ha_fail_alloc_call_id; 'ha_fail_clone_sip_session': ha_fail_clone_sip_session; 'save_smp_call_id_rtp': save_smp_call_id_rtp; 'update_smp_call_id_rtp': update_smp_call_id_rtp; 'smp_call_id_rtp_session_match': smp_call_id_rtp_session_match; 'smp_call_id_rtp_session_not_match': smp_call_id_rtp_session_not_match; 'process-error-when-message-switch': process-error-when-message-switch;

Type: string

Supported Values: all, msg_proxy_current, msg_proxy_total, msg_proxy_mem_allocd, msg_proxy_mem_cached, msg_proxy_mem_freed, msg_proxy_client_recv, msg_proxy_client_send_success, msg_proxy_client_incomplete, msg_proxy_client_drop, msg_proxy_client_connection, msg_proxy_client_fail, msg_proxy_client_fail_parse, msg_proxy_client_fail_process, msg_proxy_client_fail_snat, msg_proxy_client_exceed_tmp_buff, msg_proxy_client_fail_send_pkt, msg_proxy_client_fail_start_server_Conn, msg_proxy_server_recv, msg_proxy_server_send_success, msg_proxy_server_incomplete, msg_proxy_server_drop, msg_proxy_server_fail, msg_proxy_server_fail_parse, msg_proxy_server_fail_process, msg_proxy_server_fail_selec_connt, msg_proxy_server_fail_snat, msg_proxy_server_exceed_tmp_buff, msg_proxy_server_fail_send_pkt, msg_proxy_create_server_conn, msg_proxy_start_server_conn, msg_proxy_fail_start_server_conn, msg_proxy_server_conn_fail_snat, msg_proxy_fail_construct_server_conn, msg_proxy_fail_reserve_pconn, msg_proxy_start_server_conn_failed, msg_proxy_server_conn_already_exists, msg_proxy_fail_insert_server_conn, msg_proxy_parse_msg_fail, msg_proxy_process_msg_fail, msg_proxy_no_vport, msg_proxy_fail_select_server, msg_proxy_fail_alloc_mem, msg_proxy_unexpected_err, msg_proxy_l7_cpu_failed, msg_proxy_l4_to_l7, msg_proxy_l4_from_l7, msg_proxy_to_l4_send_pkt, msg_proxy_l4_from_l4_send, msg_proxy_l7_to_L4, msg_proxy_mag_back, msg_proxy_fail_dcmsg, msg_proxy_deprecated_conn, msg_proxy_hold_msg, msg_proxy_split_pkt, msg_proxy_pipline_msg, msg_proxy_client_reset, msg_proxy_server_reset, session_created, session_freed, session_in_rml, session_invalid, conn_allocd, conn_freed, session_callid_allocd, session_callid_freed, line_mem_allocd, line_mem_freed, table_mem_allocd, table_mem_freed, cmsg_no_uri_header, cmsg_no_uri_session, sg_no_uri_header, smsg_no_uri_session, line_too_long, fail_read_start_line, fail_parse_start_line, invalid_start_line, request_unknown_version, response_unknown_version, request_unknown, fail_parse_headers, too_many_headers, invalid_header, header_name_too_long, body_too_big, fail_get_counter, msg_no_call_id, identify_dir_failed, no_sip_request, deprecated_msg, fail_insert_callid_session, fail_insert_uri_session, fail_insert_header, select_server_conn, select_server_conn_by_callid, select_server_conn_by_uri, select_server_conn_by_rev_tuple, select_server_conn_failed, select_client_conn, X_forward_for_select_client, call_id_select_client, uri_select_client, client_select_failed, acl_denied, assemble_frag_failed, wrong_ip_version, size_too_large, fail_split_fragment, client_keepalive_received, server_keepalive_received, client_keepalive_send, server_keepalive_send, ax_health_check_received, client_request,

client_request_ok, concatenate_msg, save_uri, save_uri_ok, save_call_id, save_call_id_ok, msg_translation, msg_translation_fail, msg_trans_start_line, msg_trans_start_headers, msg_trans_body, request_register, request_invite, request_ack, request_cancel, request_bye, request_options, request_prack, request_subscribe, request_notify, request_publish, request_info, request_refer, request_message, request_update, response_unknown, response_1XX, response_2XX, response_3XX, response_4XX, response_5XX, response_6XX, ha_send_sip_session, ha_send_sip_session_ok, ha_fail_get_msg_header, ha_recv_sip_session, ha_insert_sip_session_ok, ha_update_sip_session_ok, ha_invalid_pkt, ha_fail_alloc_sip_session, ha_fail_alloc_call_id, ha_fail_clone_sip_session, save_smp_call_id_rtp, update_smp_call_id_rtp, smp_call_id_rtp_session_match, smp_call_id_rtp_session_not_match, process_error_when_message_switch

stats data

	Counter	Size	Description
	msg_proxy_client_incomplete	8	Number of packet which contains incomplete message
	msg_proxy_server_drop	8	Number of AX drop
	msg_proxy_server_fail	8	Number of SIP messages received from server but failed to forward to client
	msg_proxy_create_server_conn	8	Number of server connection system tries to create
	msg_proxy_start_server_conn	8	Number of server connection created successfully
	msg_proxy_server_incomplete	8	Number of packet which contains incomplete message
	msg_proxy_server_send_success	8	Number of SIP messages received from server and forwarded to client
	session_freed	8	SIP Session freed
	msg_proxy_fail_start_server_conn	8	Number of server connection create failed
	msg_proxy_client_send_success	8	Number of SIP messages received from client and forwarded to server
	session_created	8	SIP Session created
	msg_proxy_client_drop	8	Number of AX drop
	msg_proxy_total	8	Total number of sip proxy connections
	msg_proxy_server_recv	8	Number of SIP messages received from server
	msg_proxy_client_fail	8	Number of SIP messages received from client but failed to forward to server
	msg_proxy_client_connection	8	Connecting server
	msg_proxy_current	8	Number of current sip proxy connections
	msg_proxy_client_recv	8	Number of SIP messages received from client

operational data

	Counter	Size	Description
	filter_type	enum	Output contains one of the following values: - detail, debug
	cpu-count	number	cpu-count
	sip-cpu-list		sip-cpu-list

2.92.58 slb smpp

Show SMPP Statistics

smpp Specification

Type	*Configuration Resource*
Element Name	smpp
Element URI	/axapi/v3/slb/smpp
Element Attributes	smpp_attributes
Statistics Data URI	/axapi/v3/slb/smpp/stats
Operational Data URI	/axapi/v3/slb/smpp/oper
Schema	`smpp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/smpp

smpp attributes

```
POST /axapi/v3/slb/smpp
Payload:
{
    "smpp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/smpp

smpp attributes

```
GET /axapi/v3/slb/smpp
Reponse:
{
    "smpp": {
        "uuid": "0448171e-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
```

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```
        "a10-url": "/axapi/v3/slb/smpp"
    }
}
```

Modify Object

POST

/axapi/v3/slb/smpp

smpp attributes

Replace Object

PUT

/axapi/v3/slb/smpp

smpp attributes

```
PUT /axapi/v3/slb/smpp
Payload:
{
    "smpp": {
        "sampling-enable": [
            {
                "counters1": "msg_proxy_current"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/smpp

smpp attributes

```
DELETE /axapi/v3/slb/smpp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

smpp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_proxy_current': Curr SMPP Proxy; 'msg_proxy_total': Total SMPP Proxy; 'msg_proxy_mem_allocd': msg_proxy_mem_allocd; 'msg_proxy_mem_cached': msg_proxy_mem_cached; 'msg_proxy_mem_freed': msg_proxy_mem_freed; 'msg_proxy_client_recv': Client message rcvd; 'msg_proxy_client_send_success': Sent to server; 'msg_proxy_client_incomplete': Incomplete; 'msg_proxy_client_drop': AX responds directly; 'msg_proxy_client_connection': Connecting server; 'msg_proxy_client_fail': Number of SMPP messages received from client but failed to forward to server; 'msg_proxy_client_fail_parse': msg_proxy_client_fail_parse; 'msg_proxy_client_fail_process': msg_proxy_client_fail_process; 'msg_proxy_client_fail_snat': msg_proxy_client_fail_snat; 'msg_proxy_client_exceed_tmp_buff': msg_proxy_client_exceed_tmp_buff; 'msg_proxy_client_fail_send_pkt': msg_proxy_client_fail_send_pkt; 'msg_proxy_client_fail_start_server_Conn': msg_proxy_client_fail_start_server_Conn; 'msg_proxy_server_recv': Server message rcvd; 'msg_proxy_server_send_success': Sent to client; 'msg_proxy_server_incomplete': Incomplete; 'msg_proxy_server_drop': Number of the packet AX drop; 'msg_proxy_server_fail': Number of SMPP messages received from server but failed to forward to client; 'msg_proxy_server_fail_parse': msg_proxy_server_fail_parse; 'msg_proxy_server_fail_process': msg_proxy_server_fail_process; 'msg_proxy_server_fail_selec_connt': msg_proxy_server_fail_selec_connt; 'msg_proxy_server_fail_snat': msg_proxy_server_fail_snat; 'msg_proxy_server_exceed_tmp_buff': msg_proxy_server_exceed_tmp_buff; 'msg_proxy_server_fail_send_pkt': msg_proxy_server_fail_send_pkt; 'msg_proxy_create_server_conn': Server conn created; 'msg_proxy_start_server_conn': Number of server connection created successfully; 'msg_proxy_fail_start_server_conn': Number of server connection created failed; 'msg_proxy_server_conn_fail_snat': msg_proxy_server_conn_fail_snat; 'msg_proxy_fail_construct_server_conn': msg_proxy_fail_construct_server_conn; 'msg_proxy_fail_reserve_pconn': msg_proxy_fail_reserve_pconn; 'msg_proxy_start_server_conn_failed': msg_proxy_start_server_conn_failed; 'msg_proxy_server_conn_already_exists': msg_proxy_server_conn_already_exists; 'msg_proxy_fail_insert_server_conn':

msg_proxy_fail_insert_server_conn; 'msg_proxy_parse_msg_fail': msg_proxy_parse_msg_fail; 'msg_proxy_process_msg_fail': msg_proxy_process_msg_fail; 'msg_proxy_no_vport': msg_proxy_no_vport; 'msg_proxy_fail_select_server': msg_proxy_fail_select_server; 'msg_proxy_fail_alloc_mem': msg_proxy_fail_alloc_mem; 'msg_proxy_unexpected_err': msg_proxy_unexpected_err; 'msg_proxy_l7_cpu_failed': msg_proxy_l7_cpu_failed; 'msg_proxy_l4_to_l7': msg_proxy_l4_to_l7; 'msg_proxy_l4_from_l7': msg_proxy_l4_from_l7; 'msg_proxy_to_l4_send_pkt': msg_proxy_to_l4_send_pkt; 'msg_proxy_l4_from_l4_send': msg_proxy_l4_from_l4_send; 'msg_proxy_l7_to_L4': msg_proxy_l7_to_L4; 'msg_proxy_mag_back': msg_proxy_mag_back; 'msg_proxy_fail_dcmsg': msg_proxy_fail_dcmsg; 'msg_proxy_deprecated_conn': msg_proxy_deprecated_conn; 'msg_proxy_hold_msg': msg_proxy_hold_msg; 'msg_proxy_split_pkt': msg_proxy_split_pkt; 'msg_proxy_pipline_msg': msg_proxy_pipline_msg; 'msg_proxy_client_reset': msg_proxy_client_reset; 'msg_proxy_server_reset': msg_proxy_server_reset; 'payload_allocd': payload_allocd; 'payload_freed': payload_freed; 'pkt_too_small': pkt_too_small; 'invalid_seq': invalid_seq; 'AX_response_directly': Number of packet which AX responds directly; 'select_client_conn': Client conn selection; 'select_client_by_req': Select by request; 'select_client_from_list': Select by roundbin; 'select_client_by_conn': Select by conn; 'select_client_fail': Select failed; 'select_server_conn': Server conn selection; 'select_server_by_req': Select by request; 'select_server_from_list': Select by roundbin; 'select_server_by_conn': Select server conn by client conn; 'select_server_fail': Fail to select server conn; 'bind_conn': bind_conn; 'unbind_conn': unbind_conn; 'enquire_link_recv': enquire_link_recv; 'enquire_link_resp_recv': enquire_link_resp_recv; 'enquire_link_send': enquire_link_send; 'enquire_link_resp_send': enquire_link_resp_send; 'client_conn_put_in_list': client_conn_put_in_list; 'client_conn_get_from_list': client_conn_get_from_list; 'server_conn_put_in_list': server_conn_put_in_list; 'server_conn_get_from_list': server_conn_get_from_list; 'server_conn_fail_bind': server_conn_fail_bind; 'single_msg': single_msg; 'fail_bind_msg': fail_bind_msg;

Type: string

Supported Values: all, msg_proxy_current, msg_proxy_total, msg_proxy_mem_allocd, msg_proxy_mem_cached, msg_proxy_mem_freed, msg_proxy_client_recv, msg_proxy_client_send_success, msg_proxy_client_incomplete, msg_proxy_client_drop, msg_proxy_client_connection, msg_proxy_client_fail, msg_proxy_client_fail_parse, msg_proxy_client_fail_process, msg_proxy_client_fail_snat, msg_proxy_client_exceed_tmp_buff, msg_proxy_client_fail_send_pkt, msg_proxy_client_fail_start_server_Conn, msg_proxy_server_recv, msg_proxy_server_send_success, msg_proxy_server_incomplete, msg_proxy_server_drop, msg_proxy_server_fail, msg_proxy_server_fail_parse, msg_proxy_server_fail_process, msg_proxy_server_fail_selec_connt, msg_proxy_server_fail_snat, msg_proxy_server_exceed_tmp_buff, msg_proxy_server_fail_send_pkt, msg_proxy_create_server_conn, msg_proxy_start_server_conn, msg_proxy_fail_start_server_conn, msg_proxy_server_conn_fail_snat, msg_proxy_fail_construct_server_conn, msg_proxy_fail_reserve_pconn, msg_proxy_start_server_conn_failed, msg_proxy_server_conn_already_exists, msg_proxy_fail_insert_server_conn, msg_proxy_parse_msg_fail, msg_proxy_process_msg_fail, msg_proxy_no_vport, msg_proxy_fail_select_server, msg_proxy_fail_alloc_mem, msg_proxy_unexpected_err, msg_proxy_l7_cpu_failed, msg_proxy_l4_to_l7, msg_proxy_l4_from_l7, msg_proxy_to_l4_send_pkt, msg_proxy_l4_from_l4_send, msg_proxy_l7_to_L4, msg_proxy_mag_back, msg_proxy_fail_dcmsg, msg_proxy_deprecated_conn, msg_proxy_hold_msg, msg_proxy_split_pkt, msg_proxy_pipline_msg, msg_proxy_client_reset, msg_proxy_server_reset, payload_allocd, payload_freed, pkt_too_small, invalid_seq, AX_response_directly, select_client_conn, select_client_by_req, select_client_from_list,

select_client_by_conn, select_client_fail, select_server_conn, select_server_by_req, select_server_from_list, select_server_by_conn, select_server_fail, bind_conn, unbind_conn, enquire_link_recv, enquire_link_resp_recv, enquire_link_send, enquire_link_resp_send, client_conn_put_in_list, client_conn_get_from_list, server_conn_put_in_list, server_conn_get_from_list, server_conn_fail_bind, single_msg, fail_bind_msg

stats data

	Counter	Size	Description
	select_client_conn	2	Client conn selection
	select_client_fail	2	Select failed
	msg_proxy_server_incomplete	2	Incomplete
	select_client_by_conn	2	Select by conn
	AX_response_directly	2	Number of packet which AX responds directly
	select_client_by_req	2	Select by request
	select_server_by_req	2	Select by request
	select_server_by_conn	2	Select server conn by client conn
	msg_proxy_client_send_success	2	Sent to server
	msg_proxy_client_drop	2	AX responds directly
	msg_proxy_total	2	Total SMPP Proxy
	select_server_from_list	2	Select by roundbin
	msg_proxy_current	2	Curr SMPP Proxy
	msg_proxy_client_fail	2	Number of SMPP messages received from client but failed to forward to server
	msg_proxy_create_server_conn	2	Server conn created
	msg_proxy_server_send_success	2	Sent to client
	msg_proxy_server_fail	2	Number of SMPP messages received from server but failed to forward to client
	select_client_from_list	2	Select by roundbin
	msg_proxy_client_incomplete	2	Incomplete
	msg_proxy_server_drop	2	Number of the packet AX drop
	select_server_fail	2	Fail to select server conn
	msg_proxy_start_server_conn	2	Number of server connection created successfully
	msg_proxy_fail_start_server_conn	2	Number of server connection created failed
	select_server_conn	2	Server conn selection
	msg_proxy_server_recv	2	Server message rcvd
	msg_proxy_client_connection	2	Connecting server
	msg_proxy_client_recv	2	Client message rcvd

operational data

	Counter	Size	Description
	filter_type	enum	Output contains one of the following values: - detail, debug
	cpu-count	number	cpu-count
	smpp-cpu-fields		smpp-cpu-fields

2.92.59 slb smtp

Show SMTP Statistics

smtp Specification

Type	*Configuration Resource*
Element Name	smtp
Element URI	/axapi/v3/slb/smtp
Element Attributes	smtp_attributes
Statistics Data URI	/axapi/v3/slb/smtp/stats
Operational Data URI	/axapi/v3/slb/smtp/oper
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/smtp

smtp attributes

```
POST /axapi/v3/slb/smtp
Payload:
{
    "smtp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/smtp

smtp attributes

```
GET /axapi/v3/slb/smtp
Reponse:
{
    "smtp": {
        "uuid": "044817b4-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/smtp"
    }
}
```

Modify Object

POST

/axapi/v3/slb/smtp

smtp attributes

Replace Object

PUT

/axapi/v3/slb/smtp

smtp attributes

```
PUT /axapi/v3/slb/smtp
Payload:
{
    "smtp": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/smtp

smtp attributes

```
DELETE /axapi/v3/slb/smtp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

smtp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'request': SMTP requests; 'request_success': SMTP requests (success); 'no_proxy': No proxy error; 'client_reset': Client reset; 'server_reset': Server reset; 'no_tuple': No tuple error; 'parse_req_fail': Parse request failure; 'server_select_fail': Server selection failure; 'forward_req_fail': Forward request failure; 'forward_req_data_fail': Forward REQ data failure; 'req_retran': Request retransmit; 'req_ofo': Request pkt out-of-order; 'server_reselect': Server reselection; 'server_prem_close': Server premature close; 'new_server_conn': Server connection made; 'snat_fail': Source NAT failure; 'tcp_out_reset': TCP out reset; 'recv_client_command_EHLO': Recv client EHLO; 'recv_client_command_HELO': Recv client HELO; 'recv_client_command_MAIL': Recv client MAIL; 'recv_client_command_RCPT': Recv client RCPT; 'recv_client_command_DATA': Recv client DATA; 'recv_client_command_RSET': Recv client RSET; 'recv_client_command_VRFY': Recv client VRFY; 'recv_client_command_EXPN': Recv client EXPN; 'recv_client_command_HELP': Recv client HELP; 'recv_client_command_NOOP': Recv client NOOP; 'recv_client_command_QUIT': Recv client QUIT; 'recv_client_command_STARTTLS': Recv client STARTTLS; 'recv_client_command_others': Recv client other cmds; 'recv_server_service_not_ready': Recv server serv-not-rdy; 'recv_server_unknow_reply_code': Recv server unknown-code; 'send_client_service_ready': Sent client serv-rdy; 'send_client_service_not_ready': Sent client serv-not-rdy; 'send_client_close_connection': Sent client close-conn; 'send_client_go_ahead': Sent client go-ahead; 'send_client_start_TLS_first': Sent client STARTTLS-1st; 'send_client_TLS_not_available': Sent client TLS-not-aval; 'send_client_no_command': Sent client no-such-cmd; 'send_server_cmd_reset': Sent server RSET; 'TLS_established': SSL session established; 'L4_switch': L4 switching; 'Aflex_switch': aFleX switching; 'Aflex_switch_ok': aFleX switching (succ); 'client_domain_switch': Client domain switching; 'client_domain_switch_ok': Client domain sw (succ); 'LB_switch': LB switching; 'LB_switch_ok': LB switching (succ); 'read_request_line_fail': Read request line fail; 'get_all_headers_fail': Get all headers fail; 'too_many_headers': Too many headers; 'line_too_long': Line too long; 'line_across_packet': Line across packets; 'line_extend': Line extend; 'line_extend_fail': Line extend fail; 'line_table_extend': Table extend; 'line_table_extend_fail': Table extend

fail; 'parse_request_line_fail': Parse request line fail; 'insert_resonse_line_fail': Ins response line fail; 'remove_resonse_line_fail': Del response line fail; 'parse_resonse_line_fail': Parse response line fail; 'Aflex_lb_reselect': aFleX lb reselect; 'Aflex_lb_reselect_ok': aFleX lb reselect (succ); 'server_STARTTLS_init': Init server side STARTTLS; 'server_STARTTLS_fail': Server side STARTTLS fail; 'rserver_STARTTLS_disable': real server not support STARTTLS;

Type: string

Supported Values: all, curr_proxy, total_proxy, request, request_success, no_proxy, client_reset, server_reset, no_tuple, parse_req_fail, server_select_fail, forward_req_fail, forward_req_data_fail, req_retran, req_ofo, server_reselect, server_prem_close, new_server_conn, snat_fail, tcp_out_reset, Aflex_switch, Aflex_switch_ok, recv_client_command_EHLO, recv_client_command_HELO, recv_client_command_MAIL, recv_client_command_RCPT, recv_client_command_DATA, recv_client_command_RSET, recv_client_command_VRFY, recv_client_command_EXPN, recv_client_command_HELP, recv_client_command_NOOP, recv_client_command_QUIT, recv_client_command_STARTTLS, recv_client_command_others, send_client_service_ready, send_client_service_not_ready, send_client_close_connection, send_client_go_ahead, send_client_start_TLS_first, send_client_TLS_not_available, send_client_no_command, send_server_cmd_reset, TLS_established, L4_switch, recv_server_service_not_ready, recv_server_unknow_reply_code, client_domain_switch, client_domain_switch_ok, LB_switch, LB_switch_ok, read_request_line_fail, get_all_headers_fail, too_many_headers, line_too_long, line_across_packet, line_extend, line_extend_fail, line_table_extend, line_table_extend_fail, parse_request_line_fail, insert_resonse_line_fail, remove_resonse_line_fail, parse_resonse_line_fail, Aflex_lb_reselect, Aflex_lb_reselect_ok, server_STARTTLS_init, server_STARTTLS_fail, rserver_STARTTLS_disable, recv_client_command_TURN, recv_client_command_ETRN, send_server_ehlo, fail_to_save_client_ehlo, aflex_mail_fail, drop_server_ehlo_ok, client_ehlo_saved

stats data

	Counter	Size	Description
	rserver_STARTTLS_disable	8	real server not support STARTTLS
	recv_client_command_RCPT	8	Recv client RCPT
	line_across_packet	8	Line across packets
	recv_client_command_ETRN	8	Recv client ETRN
	forward_req_fail	8	Forward request failure
	server_select_fail	8	Server selection failure
	total_proxy	8	Total proxy conns
	L4_switch	8	L4 switching
	recv_client_command_STARTTLS	8	Recv client STARTTLS
	recv_client_command_QUIT	8	Recv client QUIT
	recv_client_command_NOOP	8	Recv client NOOP
	send_server_ehlo	8	Proxy sends server EHLO
	drop_server_ehlo_ok	8	Server EHLO_OK dropped
	new_server_conn	8	Server connection made
	line_table_extend	8	Table extend
	req_retran	8	Request retransmit

continues on next page

Table 2.46 – continued from previous page

	Counter	Size	Description
	recv_client_command_MAIL	8	Recv client MAIL
	client_domain_switch_ok	8	Client domain sw (succ)
	recv_client_command_VRFY	8	Recv client VRFY
	aflex_mail_fail	8	aFlex Mail event failed
	server_prem_close	8	Server premature close
	Aflex_lb_reselect_ok	8	aFleX lb reselect (succ)
	parse_resonse_line_fail	8	Parse response line fail
	line_table_extend_fail	8	Table extend fail
	send_client_close_connection	8	Sent client close-conn
	forward_req_data_fail	8	Forward REQ data failure
	recv_client_command_RSET	8	Recv client RSET
	no_proxy	8	No proxy error
	client_reset	8	Client reset
	recv_client_command_DATA	8	Recv client DATA
	server_STARTTLS_init	8	Init server side STARTTLS
	recv_client_command_HELP	8	Recv client HELP
	send_client_start_TLS_first	8	Sent client STARTTLS-1st
	recv_client_command_HELO	8	Recv client HELO
	Aflex_switch	8	aFleX switching
	recv_client_command_others	8	Recv client other cmds
	recv_client_command_EXPN	8	Recv client EXPN
	LB_switch	8	LB switching
	no_tuple	8	No tuple error
	send_client_no_command	8	Sent client no-such-cmd
	Aflex_switch_ok	8	aFleX switching (succ)
	request_success	8	SMTP requests (success)
	tcp_out_reset	8	TCP out reset
	too_many_headers	8	Too many headers
	send_server_cmd_reset	8	Sent server RSET
	line_extend_fail	8	Line extend fail
	server_reselect	8	Server reselection
	fail_to_save_client_ehlo	8	Failed to save client EHLO
	Aflex_lb_reselect	8	aFleX lb reselect
	curr_proxy	8	Current proxy conns
	send_client_service_ready	8	Sent client serv-rdy
	recv_server_unknow_reply_code	8	Recv server unknown-code
	send_client_go_ahead	8	Sent client go-ahead
	req_ofo	8	Request pkt out-of-order
	client_domain_switch	8	Client domain switching
	server_reset	8	Server reset
	snat_fail	8	Source NAT failure
	recv_server_service_not_ready	8	Recv server serv-not-rdy
	parse_request_line_fail	8	Parse request line fail
	remove_resonse_line_fail	8	Del response line fail
	send_client_service_not_ready	8	Sent client serv-not-rdy

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Table 2.46 – continued from previous page

	Counter	Size	Description
	get_all_headers_fail	8	Get all headers fail
	parse_req_fail	8	Parse request failure
	LB_switch_ok	8	LB switching (succ)
	line_too_long	8	Line too long
	insert_resonse_line_fail	8	Ins response line fail
	request	8	SMTP requests
	line_extend	8	Line extend
	read_request_line_fail	8	Read request line fail
	server_STARTTLS_fail	8	Server side STARTTLS fail
	recv_client_command_EHLO	8	Recv client EHLO
	send_client_TLS_not_available	8	Sent client TLS-not-aval
	client_ehlo_saved	8	Client EHLO saved
	recv_client_command_TURN	8	Recv client TURN
	TLS_established	8	SSL session established

operational data

	Counter	Size	Description
	cpu-count	number	cpu-count
	smtp-cpu-list		smtp-cpu-list

2.92.60 slb spdy-proxy

Show SPDY Proxy Statistics

spdy-proxy Specification

Type	*Configuration Resource*
Element Name	spdy-proxy
Element URI	/axapi/v3/slb/spdy-proxy
Element Attributes	spdy-proxy_attributes
Statistics Data URI	/axapi/v3/slb/spdy-proxy/stats
Operational Data URI	/axapi/v3/slb/spdy-proxy/oper
Schema	`spdy-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

```
POST /axapi/v3/slb/spdy-proxy
Payload:
{
    "spdy-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

```
GET /axapi/v3/slb/spdy-proxy
Reponse:
{
    "spdy-proxy": {
        "uuid": "04481688-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/spdy-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

Replace Object

PUT

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

```
PUT /axapi/v3/slb/spdy-proxy
Payload:
{
    "spdy-proxy": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
```

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```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

```
DELETE /axapi/v3/slb/spdy-proxy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

spdy-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_http_proxy': Curr HTTP Proxy Conns; 'total_http_proxy': Total HTTP Proxy Conns; 'total_v2_proxy': Version 2 Streams; 'total_v3_proxy': Version 3 Streams; 'curr_stream': Curr Streams; 'total_stream': Total Streams; 'total_stream_succ': Streams(succ); 'client_rst': client_rst; 'server_rst': Server RST sent; 'client_goaway': client_goaway; 'server_goaway': Server GOAWAY sent; 'tcp_err': TCP sock error; 'inflate_ctx': Inflate context; 'deflate_ctx': Deflate context; 'ping_sent': PING sent; 'stream_not_found': STREAM not found; 'client_fin': Client FIN; 'server_fin': Server FIN; 'stream_close': Stream close; 'stream_err': Stream err; 'session_err': Session err; 'control_frame': Control frame received; 'syn_frame': SYN stream frame received; 'syn_reply_frame': SYN reply frame received; 'headers_frame':

Headers frame received; 'settings_frame': Setting frame received; 'window_frame': Window update frame received; 'ping_frame': Ping frame received; 'data_frame': Data frame received; 'data_no_stream': Data no stream found; 'data_no_stream_no_goaway': Data no stream and no goaway; 'data_no_stream_goaway_close': Data no stream and no goaway and close session; 'est_cb_no_tuple': Est callback no tuple; 'data_cb_no_tuple': Data callback no tuple; 'ctx_alloc_fail': Context alloc fail; 'fin_close_session': FIN close session; 'server_rst_close_stream': Server RST close stream; 'stream_found': Stream found; 'close_stream_session_not_found': Close stream session not found; 'close_stream_stream_not_found': Close stream stream not found; 'close_stream_already_closed': Closing closed stream; 'close_stream_session_close': Stream close session close; 'close_session_already_closed': Closing closed session; 'max_concurrent_stream_limit': Max concurrent stream limit; 'stream_alloc_fail': Stream alloc fail; 'http_conn_alloc_fail': HTTP connection allocation fail; 'request_header_alloc_fail': Request/Header allocation fail; 'name_value_total_len_ex': Name value total length exceeded; 'name_value_zero_len': Name value zero name length; 'name_value_invalid_http_ver': Name value invalid http version; 'name_value_connection': Name value connection; 'name_value_keepalive': Name value keep alive; 'name_value_proxy_conn': Name value proxy-connection; 'name_value_trasnfer_encod': Name value transfer encoding; 'name_value_no_must_have': Name value no must have; 'decompress_fail': Decompress fail; 'syn_after_goaway': SYN after goaway; 'stream_lt_prev': Stream id less than previous; 'syn_stream_exist_or_even': Stream already exists; 'syn_unidir': Unidirectional SYN; 'syn_reply_alr_rcvd': SYN reply already received; 'client_rst_nostream': Close RST stream not found; 'window_no_stream': Window update no stream found; 'invalid_window_size': Invalid window size; 'unknown_control_frame': Unknown control frame; 'data_on_closed_stream': Data on closed stream; 'invalid_frame_size': Invalid frame size; 'invalid_version': Invalid version; 'header_after_session_close': Header after session close; 'compress_ctx_alloc_fail': Compression context allocation fail; 'header_compress_fail': Header compress fail; 'http_data_session_close': HTTP data session close; 'http_data_stream_not_found': HTTP data stream not found; 'close_stream_not_http_proxy': Close Stream not http-proxy; 'session_needs_requeue': Session needs requeue; 'new_stream_session_del': New Stream after Session delete; 'fin_stream_closed': HTTP FIN stream already closed; 'http_close_stream_closed': HTTP close stream already closed; 'http_err_stream_closed': HTTP error stream already closed; 'http_hdr_stream_close': HTTP header stream already closed; 'http_data_stream_close': HTTP data stream already closed; 'session_close': Session close;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_http_proxy, total_http_proxy, total_v2_proxy, total_v3_proxy, curr_stream, total_stream, total_stream_succ, client_rst, server_rst, client_goaway, server_goaway, tcp_err, inflate_ctx, deflate_ctx, ping_sent, stream_not_found, client_fin, server_fin, stream_close, stream_err, session_err, control_frame, syn_frame, syn_reply_frame, headers_frame, settings_frame, window_frame, ping_frame, data_frame, data_no_stream, data_no_stream_no_goaway, data_no_stream_goaway_close, est_cb_no_tuple, data_cb_no_tuple, ctx_alloc_fail, fin_close_session, server_rst_close_stream, stream_found, close_stream_session_not_found, close_stream_stream_not_found, close_stream_already_closed, close_stream_session_close, close_session_already_closed, max_concurrent_stream_limit, stream_alloc_fail, http_conn_alloc_fail, request_header_alloc_fail, name_value_total_len_ex, name_value_zero_len, name_value_invalid_http_ver, name_value_connection, name_value_keepalive, name_value_proxy_conn, name_value_trasnfer_encod, name_value_no_must_have, decompress_fail, syn_after_goaway, stream_lt_prev, syn_stream_exist_or_even, syn_unidir, syn_reply_alr_rcvd, client_rst_nostream, window_no_stream, invalid_window_size, unknown_control_frame, data_on_closed_stream, invalid_frame_size,

invalid_version, header_after_session_close, compress_ctx_alloc_fail, header_compress_fail, http_data_session_close, http_data_stream_not_found, close_stream_not_http_proxy, session_needs_requeue, new_stream_session_del, fin_stream_closed, http_close_stream_closed, http_err_stream_closed, http_hdr_stream_close, http_data_stream_close, session_close

stats data

	Counter	Size	Description
	invalid_frame_size	2	Invalid frame size
	data_cb_no_tuple	2	Data callback no tuple
	compress_ctx_alloc_fail	2	Compression context allocation fail
	stream_found	2	Stream found
	total_proxy	2	Total Proxy Conns
	curr_http_proxy	2	Curr HTTP Proxy Conns
	total_v2_proxy	2	Version 2 Streams
	syn_stream_exist_or_even	2	Stream already exists
	close_stream_stream_not_found	2	Close stream stream not found
	client_rst	2	client_rst
	est_cb_no_tuple	2	Est callback no tuple
	stream_alloc_fail	2	Stream alloc fail
	max_concurrent_stream_limit	2	Max concurrent stream limit
	deflate_ctx	2	Deflate context
	client_goaway	2	client_goaway
	ping_sent	2	PING sent
	server_goaway	2	Server GOAWAY sent
	session_needs_requeue	2	Session needs requeue
	syn_reply_alr_rcvd	2	SYN reply already received
	total_http_proxy	2	Total HTTP Proxy Conns
	close_stream_session_close	2	Stream close session close
	decompress_fail	2	Decompress fail
	ping_frame	2	Ping frame received
	inflate_ctx	2	Inflate context
	name_value_total_len_ex	2	Name value total length exceeded
	http_err_stream_closed	2	HTTP error stream already closed
	http_hdr_stream_close	2	HTTP header stream already closed
	http_data_stream_close	2	HTTP data stream already closed
	control_frame	2	Control frame received
	session_close	2	Session close
	name_value_connection	2	Name value connection
	fin_stream_closed	2	HTTP FIN stream already closed
	stream_close	2	Stream close
	total_stream	2	Total Streams

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Table 2.47 – continued from previous page

	Counter	Size	Description
	window_no_stream	2	Window update no stream found
	server_rst_close_stream	2	Server RST close stream
	data_no_stream	2	Data no stream found
	new_stream_session_del	2	New Stream after Session delete
	ctx_alloc_fail	2	Context alloc fail
	close_stream_session_not_found	2	Close stream session not found
	invalid_version	2	Invalid version
	server_fin	2	Server FIN
	window_frame	2	Window update frame received
	close_session_already_closed	2	Closing closed session
	headers_frame	2	Headers frame received
	server_rst	2	Server RST sent
	header_compress_fail	2	Header compress fail
	tcp_err	2	TCP sock error
	curr_proxy	2	Curr Proxy Conns
	name_value_zero_len	2	Name value zero name length
	name_value_keepalive	2	Name value keep alive
	http_close_stream_closed	2	HTTP close stream already closed
	syn_frame	2	SYN stream frame received
	data_frame	2	Data frame received
	total_stream_succ	2	Streams(succ)
	data_no_stream_goaway_close	2	Data no stream and no goaway and close session
	name_value_proxy_conn	2	Name value proxy-connection
	request_header_alloc_fail	2	Request/Header allocation fail
	unknown_control_frame	2	Unknown control frame
	http_data_stream_not_found	2	HTTP data stream not found
	stream_lt_prev	2	Stream id less than previous
	settings_frame	2	Setting frame received
	curr_stream	2	Curr Streams
	close_stream_already_closed	2	Closing closed stream
	data_on_closed_stream	2	Data on closed stream
	name_value_transfer_encod	2	Name value transfer encoding
	http_conn_alloc_fail	2	HTTP connection allocation fail
	fin_close_session	2	FIN close session
	name_value_no_must_have	2	Name value no must have
	syn_after_goaway	2	SYN after goaway
	syn_reply_frame	2	SYN reply frame received
	name_value_invalid_http_ver	2	Name value invalid http version
	client_rst_nostream	2	Close RST stream not found
	header_after_session_close	2	Header after session close
	stream_not_found	2	STREAM not found

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	Counter	Size	Description
	client_fin	2	Client FIN
	stream_err	2	Stream err
	total_v3_proxy	2	Version 3 Streams
	syn_unidir	2	Unidirectional SYN
	http_data_session_close	2	HTTP data session close
	session_err	2	Session err
	close_stream_not_http_proxy	2	Close Stream not http-proxy
	data_no_stream_no_goaway	2	Data no stream and no goaway
	invalid_window_size	2	Invalid window size

operational data

	Counter	Size	Description
	l4-cpu-list		l4-cpu-list
	cpu-count	number	cpu-count

2.92.61 slb sport-rate-limit

Show source port rate-limit statistics

sport-rate-limit Specification

Type	*Configuration Resource*
Element Name	sport-rate-limit
Element URI	/axapi/v3/slb/sport-rate-limit
Element Attributes	sport-rate-limit_attributes
Statistics Data URI	/axapi/v3/slb/sport-rate-limit/stats
Schema	`sport-rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

Get Object

GET

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

Modify Object

POST

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

Replace Object

PUT

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

Delete Object

DELETE

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

sport-rate-limit attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'alloc_sport': Alloc'd src port entry; 'alloc_sportip': Alloc'd src port-ip entry; 'freed_sport': Freed src port entry; 'freed_sportip': Freed src port-ip entry; 'total_drop': Total rate exceed drop; 'total_reset': Total rate exceed reset; 'total_log': Total log sent;

Type: string

Supported Values: all, alloc_sport, alloc_sportip, freed_sport, freed_sportip, total_drop, total_reset, total_log

stats data

	Counter	Size	Description
	total_reset	8	Total rate exceed reset
	alloc_sport	8	Alloc'd src port entry
	freed_sport	8	Freed src port entry
	alloc_sportip	8	Alloc'd src port-ip entry
	total_drop	8	Total rate exceed drop
	freed_sportip	8	Freed src port-ip entry
	total_log	8	Total log sent

2.92.62 slb ssl

SSL commands

ssl Specification

Type	*Intermediate Resource*
Element Name	ssl
Element URI	/axapi/v3/slb/ssl
Element Attributes	ssl_attributes
Statistics Data URI	/axapi/v3/slb/ssl/stats
Schema	`ssl schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/ssl

ssl_attributes

ssl attributes

sni-automap-attributes

Description: sni-automap-attributes is a **JSON Block**. Please see below for *sni-automap-attributes*

Type: Object

Refernce Object: */axapi/v3/slb/ssl/sni-automap-attributes*

sni-automap-attributes

Specification	
Type	*object*

sni-delete-factor

Description Contexts are deleted in groups of this value. Default is 50

Type: number

Range: 1-10000

Default: 50

sni-lower-limit

Description Lower limit for free SNI contexts count. Default is 500

Type: number

Range: 1-65536

Default: 500

sni-upper-limit

Description Upper limit for free SNI contexts count. Default is 2000

Type: number

Range: 1-65536

Default: 2000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.63 slb ssl-cert-pinning-candidate-list

ssl cert pinning candidate list

ssl-cert-pinning-candidate-list Specification

Type	*Configuration Resource*
Element Name	ssl-cert-pinning-candidate-list
Element URI	/axapi/v3/slb/ssl-cert-pinning-candidate-list
Element Attributes	ssl-cert-pinning-candidate-list_attributes
Operational Data URI	/axapi/v3/slb/ssl-cert-pinning-candidate-list/oper
Schema	`ssl-cert-pinning-candidate-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

Get Object

GET

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

Modify Object

POST

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

ssl-cert-pinning-candidate-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	server-name	string	server-name
	mid-request	flag	mid-request
	candidate-list		candidate-list

2.92.64 slb ssl-cert-revoke

Show ssl-cert-revoke-stats

ssl-cert-revoke Specification

Type	*Configuration Resource*
Element Name	ssl-cert-revoke
Element URI	/axapi/v3/slb/ssl-cert-revoke
Element Attributes	ssl-cert-revoke_attributes
Statistics Data URI	/axapi/v3/slb/ssl-cert-revoke/stats
Schema	`ssl-cert-revoke schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

```
POST /axapi/v3/slb/ssl-cert-revoke
Payload:
{
    "ssl-cert-revoke": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

```
GET /axapi/v3/slb/ssl-cert-revoke
Reponse:
{
    "ssl-cert-revoke": {
        "uuid": "04480b48-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/ssl-cert-revoke"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

```
PUT /axapi/v3/slb/ssl-cert-revoke
Payload:
{
    "ssl-cert-revoke": {
        "sampling-enable": [
            {
                "counters1": "ocsp_stapling_response_good"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

```
DELETE /axapi/v3/slb/ssl-cert-revoke
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ssl-cert-revoke attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ocsp_stapling_response_good': OCSP stapling response good; 'ocsp_chain_status_good': Certificate chain status good; 'ocsp_chain_status_revoked': Certificate chain status revoked; 'ocsp_chain_status_unknown': Certificate chain status unknown; 'ocsp_request': OCSP requests; 'ocsp_response': OCSP responses; 'ocsp_connection_error': OCSP connection error; 'ocsp_uri_not_found': OCSP URI not found; 'ocsp_uri_https': Log OCSP URI https; 'ocsp_uri_unsupported': OCSP URI unsupported; 'ocsp_response_status_good': OCSP response status good; 'ocsp_response_status_revoked': OCSP response status revoked; 'ocsp_response_status_unknown': OCSP response status unknown; 'ocsp_cache_status_good': OCSP cache status good; 'ocsp_cache_status_revoked': OCSP cache status revoked; 'ocsp_cache_miss': OCSP cache miss; 'ocsp_cache_expired': OCSP cache expired; 'ocsp_other_error': Log OCSP other errors; 'ocsp_response_no_nonce': Log OCSP other errors; 'ocsp_response_nonce_error': Log OCSP other errors; 'crl_request': CRL requests; 'crl_response': CRL responses; 'crl_connection_error': CRL connection errors; 'crl_uri_not_found': CRL URI not found; 'crl_uri_https': CRL URI https; 'crl_uri_unsupported': CRL URI unsupported; 'crl_response_status_good': CRL response status good; 'crl_response_status_revoked': CRL response status revoked; 'crl_response_status_unknown': CRL response status unknown; 'crl_cache_status_good': CRL cache status good; 'crl_cache_status_revoked': CRL cache status revoked; 'crl_other_error': CRL other errors;

Type: string

Supported Values: all, ocsp_stapling_response_good, ocsp_chain_status_good, ocsp_chain_status_revoked, ocsp_chain_status_unknown, ocsp_request, ocsp_response, ocsp_connection_error, ocsp_uri_not_found, ocsp_uri_https, ocsp_uri_unsupported, ocsp_response_status_good, ocsp_response_status_revoked, ocsp_response_status_unknown, ocsp_cache_status_good, ocsp_cache_status_revoked, ocsp_cache_miss, ocsp_cache_expired, ocsp_other_error, ocsp_response_no_nonce, ocsp_response_nonce_error, crl_request, crl_response, crl_connection_error, crl_uri_not_found, crl_uri_https, crl_uri_unsupported, crl_response_status_good, crl_response_status_revoked, crl_response_status_unknown, crl_cache_status_good, crl_cache_status_revoked, crl_other_error

stats data

	Counter	Size	Description
	ocsp_request	8	OCSP requests
	ocsp_other_error	8	Log OCSP other errors
	crl_uri_not_found	8	CRL URI not found
	ocsp_cache_miss	8	OCSP cache miss
	ocsp_response_status_revoked	8	OCSP response status revoked
	ocsp_chain_status_good	8	Certificate chain status good
	ocsp_response_no_nonce	8	Log OCSP other errors
	crl_uri_https	8	CRL URI https
	crl_response	8	CRL responses
	crl_cache_status_good	8	CRL cache status good
	crl_uri_unsupported	8	CRL URI unsupported
	ocsp_cache_expired	8	OCSP cache expired
	ocsp_response_nonce_error	8	Log OCSP other errors
	ocsp_uri_unsupported	8	OCSP URI unsupported
	crl_other_error	8	CRL other errors
	ocsp_connection_error	8	OCSP connection error
	ocsp_stapling_response_good	8	OCSP stapling response good
	crl_connection_error	8	CRL connection errors
	ocsp_chain_status_revoked	8	Certificate chain status revoked
	ocsp_chain_status_unknown	8	Certificate chain status unknown
	ocsp_uri_not_found	8	OCSP URI not found
	crl_response_status_revoked	8	CRL response status revoked
	ocsp_response_status_good	8	OCSP response status good
	ocsp_response	8	OCSP responses
	crl_response_status_unknown	8	CRL response status unknown
	ocsp_uri_https	8	Log OCSP URI https
	ocsp_cache_status_good	8	OCSP cache status good
	crl_request	8	CRL requests
	ocsp_cache_status_revoked	8	OCSP cache status revoked
	crl_response_status_good	8	CRL response status good
	crl_cache_status_revoked	8	CRL cache status revoked
	ocsp_response_status_unknown	8	OCSP response status unknown

2.92.65 slb ssl-expire-check

SSL certificate expiration check

ssl-expire-check Specification

Type	*Configuration Resource*
Element Name	ssl-expire-check
Element URI	/axapi/v3/slb/ssl-expire-check
Element Attributes	ssl-expire-check_attributes
Schema	`ssl-expire-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

Get Object

GET

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

Modify Object

POST

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

Replace Object

PUT

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

ssl-expire-check attributes

before

Description The number of days in advance notice before expiration, default is 5

Type: number

Range: 1-60

Default: 5

exception

Description: exception is a **JSON Block**. Please see below for *exception*

Type: Object

Refernce Object: */axapi/v3/slb/ssl-expire-check/exception*

expire-address1

Description Email address for certificate expiration check

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

interval-days

Description The interval of days notice after expiration, default is 2

Type: number

Range: 1-5

Default: 2

ssl-expire-email-address

Description Config Email address for certificate expiration check

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

exception

Specification	
Type	*object*

action

Description 'add': Add an exception; 'delete': Delete an exception; 'clean': Delete all exception;

Type: string

Supported Values: add, delete, clean

certificate-name

Description The certificate name

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

2.92.66 slb ssl export-hc-metrics

Export SSL metrics to Harmony Controller

export-hc-metrics Specification

Type	*Configuration Resource*
Element Name	export-hc-metrics
Element URI	/axapi/v3/slb/ssl/export-hc-metrics
Element Attributes	export-hc-metrics_attributes
Schema	`export-hc-metrics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl/export-hc-metrics

export-hc-metrics attributes

Get Object

GET

/axapi/v3/slb/ssl/export-hc-metrics

export-hc-metrics attributes

Modify Object

POST

/axapi/v3/slb/ssl/export-hc-metrics

export-hc-metrics attributes

Replace Object

PUT

/axapi/v3/slb/ssl/export-hc-metrics

export-hc-metrics attributes

Delete Object

DELETE

/axapi/v3/slb/ssl/export-hc-metrics

export-hc-metrics attributes

export-hc-metrics attributes

enable

Description Enable exporting SSL metrics to Harmony Controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.67 slb ssl-forward-proxy

SSL forward proxy stats info

ssl-forward-proxy Specification

Type	*Configuration Resource*
Element Name	ssl-forward-proxy
Element URI	/axapi/v3/slb/ssl-forward-proxy
Element Attributes	ssl-forward-proxy_attributes
Statistics Data URI	/axapi/v3/slb/ssl-forward-proxy/stats
Schema	`ssl-forward-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

Get Object

GET

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

Modify Object

POST

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

Replace Object

PUT

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

ssl-forward-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cert_create': Certificates created; 'cert_expr': Certificates expired; 'cert_hit': Certificate cache hits; 'cert_miss': Certificate cache miss; 'conn_bypass': Connections bypassed; 'conn_inspect': Connections inspected;

Type: string

Supported Values: all, cert_create, cert_expr, cert_hit, cert_miss, conn_bypass, conn_inspect, bypass-failsafe-ssl-sessions, bypass-sni-sessions, bypass-client-auth-sessions, failed-in-ssl-handshakes, failed-in-crypto-operations, failed-in-tcp, failed-in-certificate-verification, failed-in-certificate-signing, invalid-ocsp-stapling-response, revoked-ocsp-response, unsupported-ssl-version, certificates-in-cache, connections-failed, aflex-bypass, bypass-cert-subject-sessions, bypass-cert-issuer-sessions, bypass-cert-san-sessions, bypass-no-sni-sessions, reset-no-sni-sessions, bypass-esni-sessions, drop-esni-sessions, bypass-username-sessions, bypass-ad-group-sessions, tot_conn_in_buff, curr_conn_in_buff, cert_in_cache

stats data

	Counter	Size	Description
	bypass-username-sessions	8	Bypass Username sessions
	drop-esni-sessions	8	Drop ESNI sessions
	invalid-ocsp-stapling-response	8	Invalid OCSP Stapling Response
	failed-in-certificate-verification	8	Failed in Certificate verification
	revoked-ocsp-response	8	Revoked OCSP Response
	bypass-esni-sessions	8	Bypass ESNI sessions
	failed-in-tcp	8	Failed in TCP
	unsupported-ssl-version	8	Unsupported SSL version
	cert_create	8	Certificates created
	failed-in-crypto-operations	8	Failed in crypto operations
	cert_hit	8	Certificate cache hits
	bypass-cert-subject-sessions	8	Bypass Cert Subject sessions
	cert_miss	8	Certificate cache miss
	certificates-in-cache	8	Certificates in cache
	aflex-bypass	8	Bypass triggered by aFleX
	curr_conn_in_buff	8	Current buffered async connections
	conn_inspect	8	Connections inspected
	cert_expr	8	Certificates expired
	tot_conn_in_buff	8	Total buffered async connections
	cert_in_cache	8	Certificates in cache used by HC SSLi App
	bypass-client-auth-sessions	8	Bypass Client Auth sessions
	bypass-sni-sessions	8	Bypass SNI sessions
	connections-failed	8	Connections failed
	failed-in-ssl-handshakes	8	Failed in SSL handshakes
	reset-no-sni-sessions	8	Reset No SNI sessions

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	Counter	Size	Description
	bypass-no-sni-sessions	8	Bypass NO SNI sessions
	conn_bypass	8	Connections bypassed
	bypass-cert-san-sessions	8	Bypass Cert SAN sessions
	bypass-ad-group-sessions	8	Bypass AD-group sessions
	failed-in-certificate-signing	8	Failed in Certificate signing
	bypass-cert-issuer-sessions	8	Bypass Cert issuer sessions
	bypass-failsafe-ssl-sessions	8	Bypass Failsafe SSL sessions

2.92.68 slb ssl sni-automap-attributes

Server Name Automap global settings

sni-automap-attributes Specification

Type	*Configuration Resource*
Element Name	sni-automap-attributes
Element URI	/axapi/v3/slb/ssl/sni-automap-attributes
Element Attributes	sni-automap-attributes_attributes
Schema	`sni-automap-attributes schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

Get Object

GET

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

Modify Object

POST

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

Replace Object

PUT

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

Delete Object

DELETE

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

sni-automap-attributes attributes

sni-delete-factor

Description Contexts are deleted in groups of this value. Default is 50

Type: number

Range: 1-10000

Default: 50

sni-lower-limit

Description Lower limit for free SNI contexts count. Default is 500

Type: number

Range: 1-65536

Default: 500

sni-upper-limit

Description Upper limit for free SNI contexts count. Default is 2000

Type: number

Range: 1-65536

Default: 2000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.69 slb stat

SLB stats info

stat Specification

Type	*Configuration Resource*
Element Name	stat
Element URI	/axapi/v3/slb/stat
Element Attributes	stat_attributes
Statistics Data URI	/axapi/v3/slb/stat/stats
Schema	`stat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/stat

stat attributes

Get Object

GET

/axapi/v3/slb/stat

stat attributes

Modify Object

POST

/axapi/v3/slb/stat

stat attributes

Replace Object

PUT

/axapi/v3/slb/stat

stat attributes

Delete Object

DELETE

/axapi/v3/slb/stat

stat attributes

stat attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'riot_gaming_pass': Riot Gaming passed; 'riot_gaming_drop': Riot Gaming dropped;

Type: string

Supported Values: all, riot_gaming_pass, riot_gaming_drop

stats data

	Counter	Size	Description
	riot_gaming_drop	8	Riot Gaming dropped
	riot_gaming_pass	8	Riot Gaming passed

2.92.70 slb svm-source-nat

Configure SVM Source-NAT Pool

svm-source-nat Specification

Type	*Configuration Resource*
Element Name	svm-source-nat
Element URI	/axapi/v3/slb/svm-source-nat
Element Attributes	svm-source-nat_attributes
Schema	`svm-source-nat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

```
POST /axapi/v3/slb/svm-source-nat
Payload:
{
    "svm-source-nat": {
        "pool": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

```
GET /axapi/v3/slb/svm-source-nat
Reponse:
{
    "svm-source-nat": {
        "pool": "a",
        "uuid": "04480760-c86b-11e9-ba2d-9778838992f8",
        "a10-url": "/axapi/v3/slb/svm-source-nat"
    }
}
```

Modify Object

POST

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

Replace Object

PUT

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

```
PUT /axapi/v3/slb/svm-source-nat
Payload:
{
    "svm-source-nat": {
        "pool": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

```
DELETE /axapi/v3/slb/svm-source-nat
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

svm-source-nat attributes

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.71 slb switch

Show slb switch statistics

switch Specification

Type	*Configuration Resource*
Element Name	switch
Element URI	/axapi/v3/slb/switch
Element Attributes	switch_attributes
Statistics Data URI	/axapi/v3/slb/switch/stats
Schema	`switch schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/switch

switch attributes

```
POST /axapi/v3/slb/switch
Payload:
{
    "switch": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/switch

switch attributes

```
GET /axapi/v3/slb/switch
Reponse:
{
    "switch": {
        "uuid": "04482560-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/switch"
    }
}
```

Modify Object

POST

/axapi/v3/slb/switch

switch attributes

Replace Object

PUT

/axapi/v3/slb/switch

switch attributes

```
PUT /axapi/v3/slb/switch
Payload:
```

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```
{
    "switch": {
        "sampling-enable": [
            {
                "counters1": "fwlb"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/switch

switch attributes

```
DELETE /axapi/v3/slb/switch
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

switch attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwlb': FWLB; 'licexpire_drop': License Expire Drop; 'bwl_drop': BW Limit Drop; 'rx_kernel': Received kernel; 'rx_arp_req': ARP REQ Rcvd; 'rx_arp_resp': ARP RESP Rcvd; 'vlan_flood': VLAN Flood; 'l2_def_vlan_drop': L2 Default Vlan FWD Drop; 'ipv4_noroute_drop': IPv4 No Route Drop; 'ipv6_noroute_drop': IPv6 No Route Drop;

'prot_down_drop': Prot Down Drop; 'l2_forward': L2 Forward; 'l3_forward_ip': L3 IP Forward; 'l3_forward_ipv6': L3 IPv6 Forward; 'l4_process': L4 Process; 'unknown_prot_drop': Unknown Prot Drop; 'ttl_exceeded_drop': TTL Exceeded Drop; 'linkdown_drop': Link Down Drop; 'sport_drop': SPORT Drop; 'incorrect_len_drop': Incorrect Length Drop; 'ip_defrag': IP Defrag; 'acl_deny': ACL Denys; 'ipfrag_tcp': IP(TCP) Fragment Rcvd; 'ipfrag_overlap': IP Fragment Overlap; 'ipfrag_timeout': IP Fragment Timeout; 'ipfrag_overload': IP Frag Overload Drops; 'ipfrag_reasmoks': IP Fragment Reasm OKs; 'ipfrag_reasmfails': IP Fragment Reasm Fails; 'land_drop': Anomaly Land Attack Drop; 'ipoptions_drop': Anomaly IP OPT Drops; 'badpkt_drop': Bad Pkt Drop; 'pingofdeath_drop': Anomaly PingDeath Drop; 'allfrag_drop': Anomaly All Frag Drop; 'tcpnoflag_drop': Anomaly TCP noFlag Drop; 'tcpsynfrag_drop': Anomaly SYN Frag Drop; 'tcpsynfin_drop': Anomaly TCP SYNFIN Drop; 'ipsec_drop': IPSec Drop; 'bpdu_rcvd': BPDUs Received; 'bpdu_sent': BPDUs Sent; 'ctrl_syn_rate_drop': SYN rate exceeded Drop; 'ip_defrag_invalid_len': IP Invalid Length Frag; 'ipv4_frag_6rd_ok': IPv4 Frag 6RD OK; 'ipv4_frag_6rd_drop': IPv4 Frag 6RD Dropped; 'no_ip_drop': No IP Drop; 'ipv6frag_udp': IPv6 Frag UDP; 'ipv6frag_udp_dropped': IPv6 Frag UDP Dropped; 'ipv6frag_tcp_dropped': IPv6 Frag TCP Dropped; 'ipv6frag_ipip_ok': IPv6 Frag IPIP OKs; 'ipv6frag_ipip_dropped': IPv6 Frag IPIP Drop; 'ip_frag_oversize': IP Fragment oversize; 'ip_frag_too_many': IP Fragment too many; 'ipv4_novlanfwd_drop': IPv4 No L3 VLAN FWD Drop; 'ipv6_novlanfwd_drop': IPv6 No L3 VLAN FWD Drop; 'fpga_error_pkt1': FPGA Error PKT1; 'fpga_error_pkt2': FPGA Error PKT2; 'max_arp_drop': Max ARP Drop; 'ipv6frag_tcp': IPv6 Frag TCP; 'ipv6frag_icmp': IPv6 Frag ICMP; 'ipv6frag_ospf': IPv6 Frag OSPF; 'ipv6frag_esp': IPv6 Frag ESP; 'l4_in_ctrl_cpu': L4 In Ctrl CPU; 'mgmt_svc_drop': Management Service Drop; 'jumbo_frag_drop': Jumbo Frag Drop; 'ipv6_jumbo_frag_drop': IPv6 Jumbo Frag Drop; 'ipipv6_jumbo_frag_drop': IPIPv6 Jumbo Frag Drop; 'ipv6_ndisc_dad_solicits': IPv6 DAD on Solicits; 'ipv6_ndisc_dad_adverts': IPv6 DAD on Adverts; 'ipv6_ndisc_mac_changes': IPv6 DAD MAC Changed; 'ipv6_ndisc_out_of_memory': IPv6 DAD Out-of-memory; 'sp_non_ctrl_pkt_drop': Shared IP mode non ctrl packet to linux drop;

Type: string

Supported Values: all, fwlb, licexpire_drop, bwl_drop, rx_kernel, rx_arp_req, rx_arp_resp, vlan_flood, l2_def_vlan_drop, ipv4_noroute_drop, ipv6_noroute_drop, prot_down_drop, l2_forward, l3_forward_ip, l3_forward_ipv6, l4_process, unknown_prot_drop, ttl_exceeded_drop, linkdown_drop, sport_drop, incorrect_len_drop, ip_defrag, acl_deny, ipfrag_tcp, ipfrag_overlap, ipfrag_timeout, ipfrag_overload, ipfrag_reasmoks, ipfrag_reasmfails, land_drop, ipoptions_drop, badpkt_drop, pingofdeath_drop, allfrag_drop, tcpnoflag_drop, tcpsynfrag_drop, tcpsynfin_drop, ipsec_drop, bpdu_rcvd, bpdu_sent, ctrl_syn_rate_drop, ip_defrag_invalid_len, ipv4_frag_6rd_ok, ipv4_frag_6rd_drop, no_ip_drop, ipv6frag_udp, ipv6frag_udp_dropped, ipv6frag_tcp_dropped, ipv6frag_ipip_ok, ipv6frag_ipip_dropped, ip_frag_oversize, ip_frag_too_many, ipv4_novlanfwd_drop, ipv6_novlanfwd_drop, fpga_error_pkt1, fpga_error_pkt2, max_arp_drop, ipv6frag_tcp, ipv6frag_icmp, ipv6frag_ospf, ipv6frag_esp, l4_in_ctrl_cpu, mgmt_svc_drop, jumbo_frag_drop, ipv6_jumbo_frag_drop, ipipv6_jumbo_frag_drop, ipv6_ndisc_dad_solicits, ipv6_ndisc_dad_adverts, ipv6_ndisc_mac_changes, ipv6_ndisc_out_of_memory, sp_non_ctrl_pkt_drop, urpf_pkt_drop, fw_smp_zone_mismatch, ipfrag_udp, ipfrag_icmp, ipfrag_ospf, ipfrag_esp, ipfrag_tcp_dropped, ipfrag_udp_dropped, ipfrag_ipip_dropped, redirect_fwd_fail, redirect_fwd_sent, redirect_rev_fail, redirect_rev_sent, redirect_setup_fail, ip_frag_sent, invalid_rx_arp_pkt, invalid_sender_mac_arp_drop, dev_based_arp_drop, scaleout_arp_drop, virtual_ip_not_found_arp_drop, inactive_static_nat_pool_arp_drop, inactive_nat_pool_arp_drop, scaleout_hairpin_arp_drop, self_grat_arp_drop, self_grat_nat_ip_arp_drop, ip_not_found_arp_drop, dev_link_down_arp_drop, lacp_tx_intf_err_drop, service_chain_sent, service_chain_rcvd, unnumbered_nat_error, unnumbered_unsupported_drop, ipv6frag_gre_dropped, ipv6_ndisc_dad_prefix_mismatch_drop

stats data

	Counter	Size	Description
	unnumbered_unsupported_drop	8	Unsupported protocol for unnumbered
	bwl_drop	8	BW Limit Drop
	service_chain_sent	8	Service Chain Packets Sent
	ipfrag_tcp	8	IP(TCP) Fragment Rcvd
	ipipv6_jumbo_frag_drop	8	IPIPv6 Jumbo Frag Drop
	ipfrag_ospf	8	IP(OSPF) Fragment Rcvd
	dev_based_arp_drop	8	ARP PKT dropped due to interface state checks
	rx_arp_resp	8	ARP RESP Rcvd
	l4_process	8	L4 Process
	ipv6frag_tcp	8	IPv6 Frag TCP
	redirect_fwd_sent	8	Redirect succeeded in the fwd direction
	ipv4_frag_6rd_drop	8	IPv4 Frag 6RD Dropped
	sport_drop	8	SPORT Drop
	ipfrag_overlap	8	IP Fragment Overlap
	bpdu_sent	8	BPDUs Sent
	invalid_rx_arp_pkt	8	Invalid ARP PKT Rcvd
	ipfrag_ipip_dropped	8	IP Frag IPIP Drop
	licexpire_drop	8	License Expire Drop
	ipfrag_reasmoks	8	IP Fragment Reasm OKs
	ipv6_novlanfwd_drop	8	IPv6 No L3 VLAN FWD Drop
	badpkt_drop	8	Bad Pkt Drop
	l2_forward	8	L2 Forward
	rx_arp_req	8	ARP REQ Rcvd
	ipv4_frag_6rd_ok	8	IPv4 Frag 6RD OK
	no_ip_drop	8	No IP Drop
	l2_def_vlan_drop	8	L2 Default Vlan FWD Drop
	ip_frag_sent	8	IP frag sent
	ipv6frag_tcp_dropped	8	IPv6 Frag TCP Dropped
	bpdu_rcvd	8	BPDUs Received
	linkdown_drop	8	Link Down Drop
	ipfrag_esp	8	IP(ESP) Fragment Rcvd
	unknown_prot_drop	8	Unknown Prot Drop
	fpga_error_pkt1	8	FPGA Error PKT1
	fpga_error_pkt2	8	FPGA Error PKT2
	ipfrag_udp	8	IP(UDP) Fragment Rcvd
	mgmt_svc_drop	8	Management Service Drop
	ipfrag_reasmfails	8	IP Fragment Reasm Fails
	ip_not_found_arp_drop	8	ARP PKT dropped due to IP not found
	l3_forward_ip	8	L3 IP Forward
	l3_forward_ipv6	8	L3 IPv6 Forward

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	Counter	Size	Description
	virtual_ip_not_found_arp_drop	8	ARP PKT dropped due to virtual IP not found
	ip_frag_oversize	8	IP Fragment oversize
	ipfrag_udp_dropped	8	IP Frag UDP Dropped
	ipv6frag_udp	8	IPv6 Frag UDP
	jumbo_frag_drop	8	Jumbo Frag Drop
	ipv6_ndisc_dad_solicits	8	IPv6 DAD on Solicits
	lacp_tx_intf_err_drop	8	LACP interface error corrected
	fwlb	8	FWLB
	redirect_fwd_fail	8	Redirect failed in the fwd direction
	ipv6frag_ipip_ok	8	IPv6 Frag IPIP OKs
	prot_down_drop	8	Prot Down Drop
	ipv6frag_udp_dropped	8	IPv6 Frag UDP Dropped
	ipv6_noroute_drop	8	IPv6 No Route Drop
	fw_smp_zone_mismatch	8	FW SMP Zone Mismatch
	ctrl_syn_rate_drop	8	SYN rate exceeded Drop
	self_grat_nat_ip_arp_drop	8	Self generated grat ARP PKT dropped for NAT IP
	redirect_rev_fail	8	Redirect failed in the rev direction
	service_chain_rcvd	8	Service Chain Packets Rcvd
	unnumbered_nat_error	8	Unnumbered NAT error
	ip_frag_too_many	8	IP Fragment too many
	ipfrag_tcp_dropped	8	IP Frag TCP Dropped
	ipv6_jumbo_frag_drop	8	IPv6 Jumbo Frag Drop
	invalid_sender_mac_arp_drop	8	ARP PKT dropped due to invalid sender MAC
	ipv6frag_gre_dropped	8	IPv6 Frag gre Drop
	inactive_static_nat_pool_arp_drop	8	ARP PKT dropped due to inactive static nat pool
	ipsec_drop	8	IPSec Drop
	self_grat_arp_drop	8	Self generated grat ARP PKT dropped
	ipv6_ndisc_dad_prefix_mismatch_drop	8	IPv6 DAD on Advertise drop for prefix mismatch
	inactive_nat_pool_arp_drop	8	ARP PKT dropped due to inactive nat pool
	scaleout_hairpin_arp_drop	8	ARP PKT dropped due to scaleout hairpin checks
	urpf_pkt_drop	8	URPF check packet drop
	l4_in_ctrl_cpu	8	L4 In Ctrl CPU
	ipfrag_icmp	8	IP(ICMP) Fragment Rcvd
	redirect_setup_fail	8	Redirect connection setup failed
	ipfrag_timeout	8	IP Fragment Timeout
	vlan_flood	8	VLAN Flood
	scaleout_arp_drop	8	ARP PKT dropped due to scaleout checks
	ttl_exceeded_drop	8	TTL Exceeded Drop

continues on next page

Table 2.50 – continued from previous page

	Counter	Size	Description
	dev_link_down_arp_drop	8	ARP PKT dropped due to interface is down
	ip_defrag	8	IP Defrag
	incorrect_len_drop	8	Incorrect Length Drop
	ip_defrag_invalid_len	8	IP Invalid Length Frag
	ipv6_ndisc_out_of_memory	8	IPv6 DAD Out-of-memory
	sp_non_ctrl_pkt_drop	8	Shared IP mode non ctrl packet to linux drop
	ipfrag_overload	8	IP Frag Overload Drops
	ipv6frag_ipip_dropped	8	IPv6 Frag IPIP Drop
	ipv6_ndisc_mac_changes	8	IPv6 DAD MAC Changed
	rx_kernel	8	Received kernel
	ipv6frag_icmp	8	IPv6 Frag ICMP
	ipv4_noroute_drop	8	IPv4 No Route Drop
	max_arp_drop	8	Max ARP Drop
	ipv6_ndisc_dad_adverts	8	IPv6 DAD on Adverts
	redirect_rev_sent	8	Redirect succeeded in the rev direction
	ipv6frag_esp	8	IPv6 Frag ESP
	ipv6frag_ospf	8	IPv6 Frag OSPF
	acl_deny	8	ACL Denys
	ipv4_novlanfwd_drop	8	IPv4 No L3 VLAN FWD Drop

2.92.72 slb telemetry-log

telemetry logs to be sent out

telemetry-log Specification

Type	*Intermediate Resource*
Element Name	telemetry-log
Element URI	/axapi/v3/slb/telemetry-log
Element Attributes	telemetry-log_attributes
Schema	`telemetry-log schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/telemetry-log

telemetry-log_attributes

telemetry-log attributes

2.92.73 slb template

Define an SLB template

template Specification

Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/slb/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/template

template_attributes

template attributes

cache-list

Type: List

Refernce Object: */axapi/v3/slb/template/cache/{name}*

cipher-list

Type: List

Refernce Object: */axapi/v3/slb/template/cipher/{name}*

client-ssh-list

Type: List

Refernce Object: */axapi/v3/slb/template/client-ssh/{name}*

client-ssl-list

Type: List

Refernce Object: */axapi/v3/slb/template/client-ssl/{name}*

connection-reuse-list

Type: List

Refernce Object: */axapi/v3/slb/template/connection-reuse/{name}*

dblb-list

Type: List

Refernce Object: */axapi/v3/slb/template/dblb/{name}*

diameter-list

Type: List

Refernce Object: */axapi/v3/slb/template/diameter/{name}*

dns-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}*

dns-logging-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns-logging/{name}*

doh-list

Type: List

Refernce Object: */axapi/v3/slb/template/doh/{name}*

dynamic-service-list

Type: List

Refernce Object: */axapi/v3/slb/template/dynamic-service/{name}*

external-service-list

Type: List

Refernce Object: */axapi/v3/slb/template/external-service/{name}*

fix-list

Type: List

Refernce Object: */axapi/v3/slb/template/fix/{name}*

ftp-list

Type: List

Refernce Object: */axapi/v3/slb/template/ftp/{name}*

http-list

Type: List

Refernce Object: */axapi/v3/slb/template/http/{name}*

http-policy-list

Type: List

Refernce Object: */axapi/v3/slb/template/http-policy/{name}*

imap-pop3-list

Type: List

Refernce Object: */axapi/v3/slb/template/imap-pop3/{name}*

link-block-as-down

Description: link-block-as-down is a **JSON Block**. Please see below for *link-block-as-down*

Type: Object

Refernce Object: */axapi/v3/slb/template/link-block-as-down*

link-cost-list

Type: List

Refernce Object: */axapi/v3/slb/template/link-cost/{name}*

link-down-on-restart

Description: link-down-on-restart is a **JSON Block**. Please see below for *link-down-on-restart*

Type: Object

Refernce Object: */axapi/v3/slb/template/link-down-on-restart*

link-probe-list

Type: List

Refernce Object: */axapi/v3/slb/template/link-probe/{name}*

logging-list

Type: List

Refernce Object: */axapi/v3/slb/template/logging/{name}*

monitor-list

Type: List

Refernce Object: */axapi/v3/slb/template/monitor/{id}*

mqtt-list

Type: List

Refernce Object: */axapi/v3/slb/template/mqtt/{name}*

persist

Description: persist is a **JSON Block**. Please see below for *persist*

Type: Object

Refernce Object: */axapi/v3/slb/template/persist*

policy-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}*

port-list

Type: List

Refernce Object: */axapi/v3/slb/template/port/{name}*

reqmod-icap-list

Type: List

Refernce Object: */axapi/v3/slb/template/reqmod-icap/{name}*

respmod-icap-list

Type: List

Refernce Object: */axapi/v3/slb/template/respmod-icap/{name}*

server-list

Type: List

Refernce Object: */axapi/v3/slb/template/server/{name}*

server-ssh-list

Type: List

Refernce Object: */axapi/v3/slb/template/server-ssh/{name}*

server-ssl-list

Type: List

Refernce Object: */axapi/v3/slb/template/server-ssl/{name}*

sip-list

Type: List

Refernce Object: */axapi/v3/slb/template/sip/{name}*

smpp-list

Type: List

Refernce Object: */axapi/v3/slb/template/smpp/{name}*

smtp-list

Type: List

Refernce Object: */axapi/v3/slb/template/smtp/{name}*

ssli-list

Type: List

Refernce Object: */axapi/v3/slb/template/ssli/{name}*

tcp-list

Type: List

Refernce Object: */axapi/v3/slb/template/tcp/{name}*

tcp-proxy-list

Type: List

Refernce Object: */axapi/v3/slb/template/tcp-proxy/{name}*

udp-list

Type: List

Refernce Object: */axapi/v3/slb/template/udp/{name}*

virtual-port-list

Type: List

Refernce Object: */axapi/v3/slb/template/virtual-port/{name}*

virtual-server-list

Type: List

Refernce Object: */axapi/v3/slb/template/virtual-server/{name}*

logging-list

Specification	
Type	*list*
Block object keys	

auto

Description 'auto': Configure auto NAT for logging, default is auto enabled;

Type: string

Supported Values: auto

Default: auto

Mutual Exclusion: auto and pool are mutually exclusive

format

Description Specfiy a format string for web logging (format string(less than 250 characters) for web logging)

Type: string

Format: string-rlx

Maximum Length: 250 characters

Maximum Length: 1 characters

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

Default: 0

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

Default: 0

local-logging

Description 1 to enable local logging (1 to enable local logging, default 0)

Type: number

Range: 0-1

Default: 0

mask

Description Character to mask the matched pattern (default: X)

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: X

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in the log

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: pool shared-partition-pool and auto are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

tcp-proxy

Description TCP proxy template (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cache-list

Specification	
Type	*list*
Block object keys	

accept-reload-req

Description Accept reload requests via cache-control directives in HTTP headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

age

Description Specify duration in seconds cached content valid, default is 3600 seconds (seconds that the cached content is valid (default 3600 seconds))

Type: number

Range: 1-999999

Default: 3600

default-policy-nocache

Description Specify default policy to be to not cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-age

Description Disable insertion of age header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-via

Description Disable insertion of via header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-uri-policy

Type: List

logging

Description Specify logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

max-cache-size

Description Specify maximum cache size in megabytes, default is 80MB (RAM cache size in megabytes (default 80MB))

Type: number

Range: 1-4096

Default: 80

max-content-size

Description Maximum size (bytes) of response that can be cached - default 81920 (80KB)

Type: number

Range: 0-268435455

Default: 81920

min-content-size

Description Minimum size (bytes) of response that can be cached - default 512

Type: number

Range: 0-268435455

Default: 512

name

Description Specify cache template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl*

remove-cookies

Description Remove cookies in response and cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replacement-policy

Description 'LFU': LFU;

Type: string

Supported Values: LFU

Default: LFU

sampling-enable

Type: List

uri-policy

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-host

Description Verify request using host before sending response from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-list_local-uri-policy

Specification	
Type	*list*
Block object keys	

local-uri

Description Specify Local URI for caching (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cache-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': hits; 'miss': miss; 'bytes_served': bytes_served; 'total_req': total_req; 'caching_req': caching_req; 'nc_req_header': nc_req_header; 'nc_res_header': nc_res_header; 'rv_success': rv_success; 'rv_failure': rv_failure; 'ims_request': ims_request; 'nm_response': nm_response; 'rsp_type_CL': rsp_type_CL; 'rsp_type_CE': rsp_type_CE; 'rsp_type_304': rsp_type_304; 'rsp_type_other': rsp_type_other; 'rsp_no_compress': rsp_no_compress; 'rsp_gzip': rsp_gzip; 'rsp_deflate': rsp_deflate; 'rsp_other': rsp_other; 'nocache_match': nocache_match; 'match': match; 'invalidate_match': invalidate_match; 'content_toobig': content_toobig; 'content_toosmall': content_toosmall; 'entry_create_failures': entry_create_failures; 'mem_size': mem_size; 'entry_num': entry_num; 'replaced_entry': replaced_entry; 'aging_entry': aging_entry; 'cleaned_entry': cleaned_entry;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream, header_save_error

cache-list_uri-policy

Specification	
Type	*list*
Block object keys	

cache-action

Description 'cache': Specify if certain URIs should be cached; 'nocache': Specify if certain URIs should not be cached;

Type: string

Supported Values: cache, nocache

cache-value

Description Specify seconds that content should be cached, default is age specified in cache template

Type: number

Range: 1-999999

invalidate

Description Specify if URI should invalidate cache entries matching pattern (pattern that would match entries to be invalidated (64 chars max))

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uri

Description Specify URI for cache policy (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*list*
Block object keys	

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server port (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-flaps

Description service dampening flaps count (max-flaps allowed in flap period)

Type: number

Range: 1-255

decrement

Description Decrease after every round of DNS query (default is 0)

Type: number

Range: 0-7

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-nat

Description Destination NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down-grace-period

Description Port down grace period

Type: number

Range: 1-86400

down-timer

Description The timer to bring the marked down server/port to up (default is 0, never bring up) (The timer to bring up server (in second, default is 0))

Type: number

Range: 0-255

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

dynamic-member-priority

Description Set dynamic member's priority (Initial priority (default is 16))

Type: number

Range: 1-16

Default: 16

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

flap-period

Description take service out of rotation if max-flaps exceeded within time in seconds

Type: number

Range: 1-255

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

inband-health-check

Description Use inband traffic to detect port's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

name

Description Port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reassign

Description Maximum reassign times before declear the server/port down (default is 25) (The maximum reassign number)

Type: number

Range: 0-255

Default: 25

request-rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

request-rate-limit

Description Request rate limit

Type: number

Range: 1-1048575

request-rate-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resel-on-reset

Description When receiving reset from server, do the server/port reselection (default is 0, don't do reselection)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restore-svc-time

Description put the service back to the rotation after time in seconds

Type: number

Range: 1-4095

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

retry

Description Maximum retry times before reassign this connection to another server/port (default is 2) (The maximum retry number)

Type: number

Range: 0-7

Default: 2

shared-partition-pool

Description Reference a NAT pool or pool-group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and source-nat are mutually exclusive

slow-start

Description Slowly ramp up the connection number after port is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-nat

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: source-nat and shared-partition-pool are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

sub-group

Description Divide service group members into different sub groups (Sub group ID (default is 0))

Type: number

Range: 0-15

Default: 0

template-port-pool-shared

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight (port weight)

Type: number

Range: 1-1000

Default: 1

connection-reuse-list

Specification	
Type	*list*
Block object keys	

keep-alive-conn

Description Keep a number of server connections open

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit-per-server

Description Max Server Connections allowed (Connections per Server Port (default 1000))

Type: number

Range: 0-65535

Default: 1000

name

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

num-conn-per-port

Description Connections per Server Port (default 100)

Type: number

Range: 1-1024

Default: 100

preopen

Description Preopen server connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout in seconds. Multiple of 60 (def 2400)

Type: number

Range: 60-3600

Default: 2400

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-cost-list

Specification	
Type	*list*
Block object keys	

bandwidth-interval

Description Interval duration in seconds

Type: number

Range: 1-60

Default: 5

name

Description Server Link-Cost Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

overage-bandwidth-cost

Description Configure overage bandwidth cost on real server (Overage bandwidth cost per Mbpi)

Type: number

Range: 0-4294967295

Default: 0

prepaid-bandwidth

Description Configure prepaid bandwidth on real server (Prepaid Bandwidth in Mbpi)

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-cost-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'link_total_fwd_bytes': Total bytes fwd for link; 'interval_fwd_bytes': Link Cost bytes processed in forward direction per interval; 'link_total_conn': Link Cost total connection; 'interval_avg_throughput': Link Cost average throughput per interval; 'interval_max_throughput': Link Cost max throughput per interval;

Type: string

Supported Values: all, link_total_fwd_bytes, interval_fwd_bytes, link_total_conn, interval_avg_throughput, interval_max_throughput

reqmod-icap-list

Specification	
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

allowed-http-methods

Description List of allowed HTTP methods. Default is "Allow All". (List of HTTP methods allowed (default "Allow All"))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 1 - 65535, default is 0 (1 - 65536, default is 0)

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reqmod-icap-list_bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass reqmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

smpp-list

Specification	
Type	*list*
Block object keys	

client-enquire-link

Description Respond client ENQUIRE_LINK packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password

Description Configure the password used to bind

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-enquire-link

Description Send server ENQUIRE_LINK packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-enquire-link-val

Description Set interval of keep-alive packet for each persistent connection (second, default is 30)

Type: number

Range: 5-300

Default: 30

server-selection-per-request

Description Force server selection on every SMPP request when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user

Description Configure the user to bind (The name used to bind)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp-list

Specification	
Type	*list*
Block object keys	

LF-to-CRLF

Description Change the LF to CRLF for smtp end of line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-domain-switching

Type: List

client-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before mail transaction;

Type: string

Supported Values: optional, enforced

command-disable

Type: List

error-code-to-client

Description Would transfer error code(554) to client, when getting it from connection establishing with real-server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-domain

Description Config the domain of the email servers (Server's domain, default is "mail-server-domain")

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

Default: mail-server-domain

server-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before mail transaction;

Type: string

Supported Values: optional, enforced

service-ready-msg

Description Set SMTP service ready message (SMTP service ready message, default is "ESMTP mail service ready")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: ESMTP mail service ready

template

Description: template is a **JSON Block**. Please see below for *smtp-list_template*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp-list_client-domain-switching

Specification	
Type	*list*
Block object keys	

match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group

Description Select service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

switching-type

Description 'contains': Specify domain name string if domain contains another string; 'ends-with': Specify domain name string if domain ends with another string; 'starts-with': Specify domain string if domain starts with another string;

Type: string

Supported Values: contains, ends-with, starts-with

smtp-list_template

Specification	
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

smtp-list_command-disable

Specification	
Type	*list*
Block object keys	

disable-type

Description 'expn': Disable SMTP EXPN commands; 'turn': Disable SMTP TURN commands; 'vrfy': Disable SMTP VRFY commands;

Type: string

Supported Values: expn, turn, vrfy

external-service-list

Specification	
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

name

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-forward-list

Type: List

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

type

Description 'skyfire-icap': Skyfire ICAP service; 'url-filter': URL filtering service;

Type: string

Supported Values: skyfire-icap, url-filter

Default: url-filter

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

external-service-list_bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass external service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

external-service-list_request-header-forward-list

Specification	
Type	*list*
Block object keys	

request-header-forward

Description Request header to be forwarded to external service (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-list

Specification	
Type	*list*
Block object keys	

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

force-delete-timeout

Description The maximum time that a session can stay in the system before being delete (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being delete (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default off (half close idle timeout in second, default off)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default off (half open idle timeout in second, default off)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout value (default 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

initial-window-size

Description Set the initial window size (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lan-fast-ack

Description Enable fast TCP ack on LAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description Fast TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-follow-fin

Description send reset to client or server upon receiving first fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

diameter-list

Specification	
Type	*list*
Block object keys	

avp-code

Description avp code

Type: number

Range: 1-2147483647

avp-list

Type: List

avp-string

Description pattern to be matched in the avp string name, max length 127 bytes

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

customize-cea

Description customizing cea response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dwr-time

Description dwr health-check timer interval (in 100 milli second unit, default is 100, 0 means unset this option)

Type: number

Range: 0-2147483647

Default: 100

dwr-up-retry

Description number of successful dwr health-check before declaring target up

Type: number

Range: 1-7

Default: 3

forward-to-latest-server

Description Forward client message to the latest server that sends message with the same session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-unknown-session-id

Description Forward server message even it has unknown session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description user sesison idle timeout (in minutes, default is 5)

Type: number

Range: 1-65535

Default: 5

load-balance-on-session-id

Description Load balance based on the session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-code-list

Type: List

multiple-origin-host

Description allowing multiple origin-host to a single server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description diameter template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

origin-host

Description: origin-host is a **JSON Block**. Please see below for *diameter-list_origin-host*

Type: Object

Refernce Object: */axapi/v3/slb/template/diameter/{name}/origin-host*

origin-realm

Description origin-realm name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

product-name

Description product name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group-name

Description service group name, this is the service group that the message needs to be copied to

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

session-age

Description user session age allowed (default 10), this is not idle-time (in minutes)

Type: number

Range: 1-65535

Default: 10

terminate-on-cca-t

Description remove diameter session when receiving CCA-T message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vendor-id

Description vendor-id avp (Vendon Id)

Type: number

Range: 0-2147483647

Default: 0

diameter-list_message-code-list

Specification	
Type	*list*
Block object keys	

message-code

Description

Type: number

Range: 1-2147483647

diameter-list_avp-list

Specification	
Type	*list*
Block object keys	

avp

Description customize avps for cer to the server (avp number)

Type: number

Range: 0-2147483647

int32

Description 32 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int32 int64 and string are mutually exclusive

int64

Description 64 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int64 int32 and string are mutually exclusive

mandatory

Description mandatory avp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

string

Description String (string name, max length 127 bytes)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: string int32 and int64 are mutually exclusive

diameter-list_origin-host

Specification	
Type	*object*

origin-host-name

Description origin-host name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp-list

Specification	
Type	*list*
Block object keys	

age

Description short age

Type: number

Range: 1-31

avp

Description '4': NAS-IP-address; '8': Framed-IP-Address;

Type: string

Supported Values: 4, 8

disable-clear-session

Description Disable immediate clearing of session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description Idle Timeout value (default 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

immediate

Description Immediate Removal after Transaction

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: immediate and short are mutually exclusive

name

Description Fast UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

radius-lb-method-hash-type

Description 'ip': IP-Hash;

Type: string

Supported Values: ip

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

short

Description Short lived session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: short and immediate are mutually exclusive

stateless-conn-timeout

Description Stateless Current Connection Timeout value (5 - 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 5-120

Default: 120

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-down-on-restart

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-policy-list

Specification	
Type	*list*
Block object keys	

cookie-name

Description name of cookie to match (Cookie Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

geo-location-match

Type: List

http-policy-match

Type: List

multi-match-rule-list

Type: List

Refernce Object: */axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}*

name

Description http-policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-policy-list_http-policy-match

Specification	
Type	*list*
Block object keys	

match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

match-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

template

Description 'waf': waf; (WAF template to be used)

Type: string

Supported Values: waf

template-name

Description WAF template to be used (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

type

Description 'cookie': cookie value match; 'host': hostname match; 'url': URL match;

Type: string

Supported Values: cookie, host, url, header-name, header-value, query-param-name, query-param-value

http-policy-list_multi-match-rule-list

Specification	
Type	*list*
Block object keys	

cookie-name-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-contains-type

Description 'contains': Cookie name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-name-contains-typecookie-name-equals-type, cookie-name-starts-with-type and cookie-name-ends-with-type are mutually exclusive

cookie-name-ends-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-ends-with-type

Description 'ends-with': Cookie name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-name-ends-with-typecookie-name-equals-type, cookie-name-contains-type and cookie-name-starts-with-type are mutually exclusive

cookie-name-equals-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-equals-type

Description 'equals': Cookie name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-name-equals-typecookie-name-contains-type, cookie-name-starts-with-type and cookie-name-ends-with-type are mutually exclusive

cookie-name-starts-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-starts-with-type

Description 'starts-with': Cookie name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-name-starts-with-typecookie-name-equals-type, cookie-name-contains-type and cookie-name-ends-with-type are mutually exclusive

cookie-value-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-contains-type

Description 'contains': Cookie value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-value-contains-typecookie-value-equals-type, cookie-value-starts-with-type and cookie-value-ends-with-type are mutually exclusive

cookie-value-ends-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-ends-with-type

Description 'ends-with': Cookie value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-value-ends-with-typecookie-value-equals-type, cookie-value-contains-type and cookie-value-starts-with-type are mutually exclusive

cookie-value-equals-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-equals-type

Description 'equals': Cookie value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-value-equals-typecookie-value-contains-type, cookie-value-starts-with-type and cookie-value-ends-with-type are mutually exclusive

cookie-value-starts-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-starts-with-type

Description 'starts-with': Cookie value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-value-starts-with-typecookie-value-equals-type, cookie-value-contains-type and cookie-value-ends-with-type are mutually exclusive

header-name-contains-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-contains-type

Description 'contains': Header name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-name-contains-typeheader-name-equals-type, header-name-starts-with-type and header-name-ends-with-type are mutually exclusive

header-name-ends-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-ends-with-type

Description 'ends-with': Header name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-name-ends-with-typeheader-name-equals-type, header-name-contains-type and header-name-starts-with-type are mutually exclusive

header-name-equals-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-equals-type

Description 'equals': Header name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-name-equals-typeheader-name-contains-type, header-name-starts-with-type and header-name-ends-with-type are mutually exclusive

header-name-starts-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-starts-with-type

Description 'starts-with': Header name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-name-starts-with-typeheader-name-equals-type, header-name-contains-type and header-name-ends-with-type are mutually exclusive

header-value-contains-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-contains-type

Description 'contains': Header value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-value-contains-typeheader-value-equals-type, header-value-starts-with-type and header-value-ends-with-type are mutually exclusive

header-value-ends-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-ends-with-type

Description 'ends-with': Header value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-value-ends-with-typeheader-value-equals-type, header-value-contains-type and header-value-starts-with-type are mutually exclusive

header-value-equals-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-equals-type

Description 'equals': Header value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-value-equals-typeheader-value-contains-type, header-value-starts-with-type and header-value-ends-with-type are mutually exclusive

header-value-starts-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-starts-with-type

Description 'starts-with': Header value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-value-starts-with-typeheader-value-equals-type, header-value-contains-type and header-value-ends-with-type are mutually exclusive

host-contains-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-contains-type

Description 'contains': Host contains string;

Type: string

Supported Values: contains

Mutual Exclusion: host-contains-typehost-equals-type, host-starts-with-type and host-ends-with-type are mutually exclusive

host-ends-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-ends-with-type

Description 'ends-with': Host ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: host-ends-with-typehost-equals-type, host-contains-type and host-starts-with-type are mutually exclusive

host-equals-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-equals-type

Description 'equals': Host equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: host-equals-typehost-contains-type, host-starts-with-type and host-ends-with-type are mutually exclusive

host-starts-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-starts-with-type

Description 'starts-with': Host starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: host-starts-with-typehost-equals-type, host-contains-type and host-ends-with-type are mutually exclusive

multi-match

Description Specify a multi-match-rule name

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

query-param-name-contains-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-contains-type

Description 'contains': query parameter name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-name-contains-typequery-param-name-equals-type, query-param-name-starts-with-type and query-param-name-ends-with-type are mutually exclusive

query-param-name-ends-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-ends-with-type

Description 'ends-with': query parameter name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-name-ends-with-typequery-param-name-equals-type, query-param-name-contains-type and query-param-name-starts-with-type are mutually exclusive

query-param-name-equals-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-equals-type

Description 'equals': query parameter name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-name-equals-typequery-param-name-contains-type, query-param-name-starts-with-type and query-param-name-ends-with-type are mutually exclusive

query-param-name-starts-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-starts-with-type

Description 'starts-with': query parameter name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-name-starts-with-typequery-param-name-equals-type, query-param-name-contains-type and query-param-name-ends-with-type are mutually exclusive

query-param-value-contains-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-contains-type

Description 'contains': query parameter value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-value-contains-typequery-param-value-equals-type, query-param-value-starts-with-type and query-param-value-ends-with-type are mutually exclusive

query-param-value-ends-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-ends-with-type

Description 'ends-with': query parameter value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-value-ends-with-typequery-param-value-equals-type, query-param-value-contains-type and query-param-value-starts-with-type are mutually exclusive

query-param-value-equals-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-equals-type

Description 'equals': query parameter value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-value-equals-typequery-param-value-contains-type, query-param-value-starts-with-type and query-param-value-ends-with-type are mutually exclusive

query-param-value-starts-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-starts-with-type

Description 'starts-with': query parameter value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-value-starts-with-typequery-param-value-equals-type, query-param-value-contains-type and query-param-value-ends-with-type are mutually exclusive

seq-num

Description Specify a sequence number

Type: number

Range: 1-8192

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

template-waf

Description Waf Template to be used (Waf Template Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

url-contains-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-contains-type

Description 'contains': URL contains string;

Type: string

Supported Values: contains

Mutual Exclusion: url-contains-typeurl-equals-type, url-starts-with-type and url-ends-with-type are mutually exclusive

url-ends-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-ends-with-type

Description 'ends-with': URL ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: url-ends-with-typeurl-equals-type, url-contains-type and url-starts-with-type are mutually exclusive

url-equals-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-equals-type

Description 'equals': URL equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: url-equals-typeurl-contains-type, url-starts-with-type and url-ends-with-type are mutually exclusive

url-starts-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-starts-with-type

Description 'starts-with': URL starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: url-starts-with-typeurl-equals-type, url-contains-type and url-ends-with-type are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-policy-list_geo-location-match

Specification	
Type	*list*
Block object keys	

geo-location

Description Geolocation name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

geo-location-service-group

Description Service Group to be used (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

geo-location-template

Description 'waf': waf; (WAF template to be used)

Type: string

Supported Values: waf

geo-location-template-name

Description WAF template to be used (Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

link-probe-list

Specification	
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *link-probe-list_destination*

Type: Object

Refernce Object: */axapi/v3/slb/template/link-probe/{name}/destination*

disable

Description Disable Probe template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expected-status-code

Description Specify response code range (e.g. 200,400-430), default is 200 (Format is xx,xx-xx (xx between [100, 899]), default is 200)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: 200

name

Description probe template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

probe-interval

Description Time between each probe that needs to be sent out (in seconds, default is 5)

Type: number

Range: 1-7200

Default: 5

probes-per-test

Description Total number of probes to be sent out for each test

Type: number

Range: 1-10

Default: 5

rtt-method

Description 'http-rtt': Calculate Round Trip Time between HTTP request and response; 'tcp-srtt': Use TCP Smoothed round trip time in the HTTP connection;

Type: string

Supported Values: http-rtt, tcp-srtt

Default: http-rtt

selection-rule

Description 'threshold': Use all links below a threshold before selecting the fastest link; 'fastest-link-always': Always use the link with the lowest average latency;

Type: string

Supported Values: threshold, fastest-link-always

Default: fastest-link-always

test-interval

Description time interval between subsequent tests (in seconds, default is 60)

Type: number

Range: 1-7200

Default: 60

threshold-value

Description Use all links below a threshold before selecting the fastest link (RTT in milliseconds)

Type: number

Range: 0-65534

Default: 0

url

Description Specify URL to which probes should be sent out. Default is /

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: /

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-probe-list_destination

Specification	
Type	*object*

hostname

Description Target Hostname

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve the configured hostname; 'resolve-to-ipv6': Use AAAA Query only to resolve the configured hostname;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6

Mutual Exclusion: resolve-as static-ipv4-addr and static-ipv6-addr are mutually exclusive

static-ipv4-addr

Description Target IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: static-ipv4-addr resolve-as and static-ipv6-addr are mutually exclusive

static-ipv6-addr

Description Target IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: static-ipv6-addr resolve-as and static-ipv4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-ssl-list

Specification	
Type	*list*
Block object keys	

ad-group-list

Description Forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

auth-sg

Description Specify authorization LDAP service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: auth-sg and authen-name are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

auth-sg-dn

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-sg-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

auth-username

Description Specify the Username Field in the Client Certificate(If multi-fields are specificed, prior one has higher priority)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username-attribute

Description Specify attribute name of username for client SSL authorization

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

authen-name

Description Specify authorization LDAP server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: authen-name and auth-sg are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

authorization

Description Specify LDAP server for client SSL authorizaiton

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-cert-issuer-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-class-list-name and bypass-cert-issuer-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-issuer-multi-class-list

Type: List

bypass-cert-san-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-class-list-name and bypass-cert-san-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-san-multi-class-list

Type: List

bypass-cert-subject-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-class-list-name and bypass-cert-subject-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-subject-multi-class-list

Type: List

ca-certs

Type: List

cache-persistence-list-name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

case-insensitive

Description Case insensitive forward proxy bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-revoke-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

cert-unknown-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

certificate-issuer-contains-list

Type: List

certificate-issuer-ends-with-list

Type: List

certificate-issuer-equals-list

Type: List

certificate-issuer-starts-with-list

Type: List

certificate-list

Type: List

Refernce Object: */axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}*

certificate-san-contains-list

Type: List

certificate-san-ends-with-list

Type: List

certificate-san-equals-list

Type: List

certificate-san-starts-with-list

Type: List

certificate-subject-contains-list

Type: List

certificate-subject-ends-with-list

Type: List

certificate-subject-equals-list

Type: List

certificate-subject-starts-with-list

Type: List

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert and chain-cert-shared-str are mutually exclusive

chain-cert-shared-str

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert-shared-str and chain-cert are mutually exclusive

cipher-without-prio-list

Type: List

class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: class-list-name and multi-clist-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

client-auth-case-insensitive

Description Case insensitive forward proxy client auth bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-auth-class-list

Description Forward proxy client auth bypass if SNI string matches class-list (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-contains-list

Type: List

client-auth-ends-with-list

Type: List

client-auth-equals-list

Type: List

client-auth-starts-with-list

Type: List

client-certificate

Description 'Ignore': Don't request client certificate; 'Require': Require client certificate; 'Request': Request client certificate;

Type: string

Supported Values: Ignore, Require, Request

Default: Ignore

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

contains-list

Type: List

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

direct-client-server-auth

Description Let backend server does SSL client authentication directly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv3

Description Reject Client requests for SSL version 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ends-with-list

Type: List

equals-list

Type: List

exception-ad-group-list

Description Exceptions to forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-issuer-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-san-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-subject-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-sni-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-user-name-list

Description Exceptions to forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-web-category

Description: exception-web-category is a **JSON Block**. Please see below for *client-ssl-list_exception-web-category*

Type: Object

exception-web-reputation

Description: exception-web-reputation is a **JSON Block**. Please see below for *client-ssl-list_exception-web-reputation*

Type: Object

expire-hours

Description Certificate lifetime in hours

Type: number

Range: 1-168

forward-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: forward-encrypted and fp-ca-certificate are mutually exclusive

forward-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-passphrase and fp-ca-certificate are mutually exclusive

forward-proxy-alt-sign

Description Forward proxy alternate signing cert and key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-block-message

Description Message to be included on the block page (Message, enclose in quotes if spaces are present)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

forward-proxy-ca-cert

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-certfp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert and fp-ca-certificate-shared are mutually exclusive

forward-proxy-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-keyfp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert and fp-ca-certificate-shared are mutually exclusive

forward-proxy-cert-cache-limit

Description Certificate cache size limit, default is 524288 (set to 0 for unlimited size)

Type: number

Range: 0-2147483647

Default: 524288

forward-proxy-cert-cache-timeout

Description Certificate cache timeout, default is 1 hour (seconds, set to 0 for never timeout)

Type: number

Range: 0-2147483647

Default: 3600

forward-proxy-cert-expiry

Description Adjust certificate expiry relative to the time when it is created on the device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-cert-not-ready-action

Description 'bypass': bypass the connection; 'reset': reset the connection;

Type: string

Supported Values: bypass, reset, intercept

Default: bypass

forward-proxy-cert-revoke-action

Description Action taken if a certificate is irreversibly revoked, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-cert-unknown-action

Description Action taken if a certificate revocation status is unknown, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-crl-disable

Description Disable Certificate Revocation List checking for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-decrypted-dscp

Description Apply a DSCP to decrypted and bypassed traffic (DSCP to apply to decrypted traffic)

Type: number

Range: 1-63

forward-proxy-decrypted-dscp-bypass

Description DSCP to apply to bypassed traffic

Type: number

Range: 1-63

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-esni-action

Description Action taken if receiving encrypted server name indication extension in client hello MSG, bypass the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-failsafe-disable

Description Disable Failsafe for SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hash-persistence-interval

Description Set the time interval to save the hash persistence certs (Interval value, in minutes)

Type: number

Range: 1-720

Default: 30

forward-proxy-log-disable

Description Disable SSL forward proxy logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-no-shared-cipher-action

Description Action taken if handshake fails due to no shared ciper, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-no-sni-action

Description 'intercept': intercept in no SNI case; 'bypass': bypass in no SNI case; 'reset': reset in no SNI case;

Type: string

Supported Values: intercept, bypass, reset

Default: intercept

forward-proxy-ocsp-disable

Description Disable ocsp-stapling for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-require-sni-cert-matched

Description 'no-match-action-inspect': Inspected if not matched; 'no-match-action-drop': Dropped if not matched;

Type: string

Supported Values: no-match-action-inspect, no-match-action-drop

forward-proxy-selfsign-redir

Description Redirect connections to pages with self signed certs to a warning page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-ssl-version

Description TLS/SSL version, default is TLS1.2 (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 31-34

Default: 33

forward-proxy-trusted-ca-lists

Type: List

forward-proxy-verify-cert-fail-action

Description Action taken if certificate verification fails, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fp-alt-cert

Description CA Certificate for forward proxy alternate signing (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

fp-alt-key

Description CA Private Key for forward proxy alternate signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

fp-alt-shared

Description Alternate CA Certificate and Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-ca-certificate

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-certificateforward-proxy-ca-cert, fp-ca-shared, forward-proxy-ca-key, forward-passphrase, forward-encrypted and fp-ca-key-shared are mutually exclusive

fp-ca-certificate-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-certificate-shared forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-chain-cert forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: fp-ca-key-encrypted forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key-passphrase forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-key-shared and fp-ca-certificate are mutually exclusive

fp-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-shared and fp-ca-certificate are mutually exclusive

fp-cert-ext-aia-ca-issuers

Description CA Issuers (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ca-issuers and fp-cert-ext-aia-ocsp are mutually exclusive

fp-cert-ext-aia-ocsp

Description OCSP (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ocsp and fp-cert-ext-aia-ca-issuers are mutually exclusive

fp-cert-ext-crldp

Description CRL Distribution Point (CRL Distribution Point URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-cert-fetch-autonat

Description 'auto': Configure auto NAT for server certificate fetching;

Type: string

Supported Values: auto

Mutual Exclusion: fp-cert-fetch-autonat and fp-cert-fetch-natpool-name are mutually exclusive

fp-cert-fetch-autonat-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-cert-fetch-natpool-name

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-fetch-natpool-name shared-partition-pool and fp-cert-fetch-autonat are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

fp-cert-fetch-natpool-name-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

fp-cert-fetch-natpool-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-esni-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: bypass

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hsm-type

Description 'thales-embed': Thales embed key; 'thales-hwcrhk': Thales hwcrhk Key;

Type: string

Supported Values: thales-embed, thales-hwcrhk

inspect-certificate-issuer-cl-name

Description Forward proxy Inspect if Certificate issuer matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-certificate-san-cl-name

Description Forward proxy Inspect if Certificate Subject Alternative Name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-certificate-subject-cl-name

Description Forward proxy Inspect if Certificate Subject matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ldap-base-dn-from-cert

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-search-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-class-list

Type: List

name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-anti-replay

Description Disable anti-replay protection for TLS 1.3 early data (0-RTT data)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-shared-cipher-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: drop

non-ssl-bypass-l4session

Description Handle the non-ssl session as L4 for performance optimization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-bypass-service-group

Description Service Group for Bypass non-ssl traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

notafter

Description notAfter date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notafterday

Description Day

Type: number

Range: 1-31

notaftermonth

Description Month

Type: number

Range: 1-12

notafteryear

Description Year

Type: number

Range: 2005-2035

notbefore

Description notBefore date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notbeforeday

Description Day

Type: number

Range: 1-31

notbeforemonth

Description Month

Type: number

Range: 1-12

notbeforeyear

Description Year

Type: number

Range: 2005-2035

ocsp-stapling

Description Config OCSP stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-ca-cert

Description CA certificate

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ocspst-ocsp

Description Specify OCSP Authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-sg

Description Specify authentication service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-sg and ocspst-srvr are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

ocspst-sg-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-sg-days ocspst-sg-hours and ocspst-sg-minutes are mutually exclusive

ocspst-sg-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-sg-hours ocspst-sg-days and ocspst-sg-minutes are mutually exclusive

ocspst-sg-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-sg-minutes ocspst-sg-days and ocspst-sg-hours are mutually exclusive

ocspst-sg-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

ocspst-srvr

Description Specify OCSP authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-srvr and ocspst-sg are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

ocspst-srvr-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-srvr-days ocspst-srvr-hours and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-srvr-hours ocspst-srvr-days and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-srvr-minutes ocspst-srvr-days and ocspst-srvr-hours are mutually exclusive

ocspst-srvr-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-ca-lists

Type: List

require-web-category

Description Wait for web category to be resolved before taking bypass decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-auto-map

Description Enable automatic mapping of server name indication in Client hello extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-list

Type: List

session-cache-size

Description Session Cache Size (Specify 0 to disable Session ID reuse.)

Type: number

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds)

Type: number

Range: 0-604800

Default: 0

session-ticket-disable

Description Disable client side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-lifetime

Description Session ticket lieftime in seconds from stateless session resumption (Lifetime value in seconds)

Type: number

Range: 0-2147483647

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template template-cipher and cipher-wo-prio are mutually exclusive

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and fp-cert-fetch-natpool-name are mutually exclusive

sni-bypass-enable-log

Description Enable logging when bypass event happens, disabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-expired-cert

Description Bypass when certificate expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-explicit-list

Description Bypass when matched explicit bypass list (Specify class list name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

sni-bypass-missing-cert

Description Bypass when missing cert/key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-enable-log

Description Enable logging of sni-auto-map failures. Disable by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-false-start-disable

Description disable SSL False Start

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

sslv2-bypass-service-group

Description Service Group for Bypass SSLV2 (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

starts-with-list

Type: List

template-cipher

Description Cipher Template (Cipher Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cipher shared-partition-cipher-template and cipher-wo-prio are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cipher*

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cipher*

template-hsm

Description HSM Template (HSM Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/hsm/template*

user-name-list

Description Forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-cert-fail-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: drop

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 1-34

web-category

Description: web-category is a **JSON Block**. Please see below for *client-ssl-list_web-category*

Type: Object

web-reputation

Description: web-reputation is a **JSON Block**. Please see below for *client-ssl-list_web-reputation*

Type: Object

client-ssl-list_bypass-cert-subject-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-subject-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-multi-class-list-name and bypass-cert-subject-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

client-ssl-list_certificate-san-contains-list

Specification	
Type	*list*
Block object keys	

certificate-san-contains

Description Forward proxy bypass if Certificate SAN contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_equals-list

Specification	
Type	*list*
Block object keys	

equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_forward-proxy-trusted-ca-lists

Specification	
Type	*list*
Block object keys	

forward-proxy-trusted-ca

Description Forward proxy trusted CA file (CA file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-trusted-ca-shared

Description Trusted CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ssl-list_ec-list

Specification	
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1

client-ssl-list_contains-list

Specification	
Type	*list*
Block object keys	

contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_ends-with-list

Specification	
Type	*list*
Block object keys	

ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_ca-certs

Specification	
Type	*list*
Block object keys	

ca-cert

Description CA Certificate (CA Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp

Description Specify ocsp authentication server(s) for client certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/service-group*

client-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance*

client-ssl-list_client-auth-contains-list

Specification	
Type	*list*
Block object keys	

client-auth-contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-subject-contains-list

Specification	
Type	*list*
Block object keys	

certificate-subject-contains

Description Forward proxy bypass if Certificate Subject contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_req-ca-lists

Specification	
Type	*list*
Block object keys	

client-cert-req-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-certificate-Request-CA

Description Send CA lists in certificate request (CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

client-ssl-list_certificate-subject-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-subject-starts

Description Forward proxy bypass if Certificate Subject starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_web-reputation

Specification	
Type	*object*

bypass-low-risk

Description Bypass when reputation score is greater than or equal to 61

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-low-riskbypass-trustworthy, bypass-moderate-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

bypass-malicious

Description Bypass when reputation score is greater than or equal to 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-maliciousbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious and bypass-threshold are mutually exclusive

bypass-moderate-risk

Description Bypass when reputation score is greater than or equal to 41

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-moderate-riskbypass-trustworthy, bypass-low-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

bypass-suspicious

Description Bypass when reputation score is greater than or equal to 21

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-suspiciousbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-malicious and bypass-threshold are mutually exclusive

bypass-threshold

Description Bypass when reputation score is greater than or equal to the customized score (1-100)

Type: number

Range: 1-100

Mutual Exclusion: bypass-thresholdbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious and bypass-malicious are mutually exclusive

bypass-trustworthy

Description Bypass when reputation score is greater than or equal to 81

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-trustworthybypass-low-risk, bypass-moderate-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

client-ssl-list_bypass-cert-issuer-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-issuer-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-multi-class-list-name and bypass-cert-issuer-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

client-ssl-list_client-auth-equals-list

Specification	
Type	*list*
Block object keys	

client-auth-equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-issuer-equals-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-equals

Description Forward proxy bypass if Certificate issuer equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-san-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-san-ends-with

Description Forward proxy bypass if Certificate SAN ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_crl-certs

Specification	
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ssl-list_certificate-list

Specification	
Type	*list*
Block object keys	

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key

Description Server Private Key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Server Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-ssl-list_multi-class-list

Specification	
Type	*list*
Block object keys	

multi-clist-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: multi-clist-name and class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

client-ssl-list_certificate-issuer-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-ends-with

Description Forward proxy bypass if Certificate issuer ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_web-category

Specification	
Type	*object*

abortion

Description Category Abortion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adult-and-pornography

Description Category Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alcohol-and-tobacco

Description Category Alcohol and Tobacco

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auctions

Description Category Auctions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bot-nets

Description Category Bot Nets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

business-and-economy

Description Category Business and Economy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cdns

Description Category CDNs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cheating

Description Category Cheating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-info

Description Category Computer and Internet Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-security

Description Category Computer and Internet Security

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

confirmed-spam-sources

Description Category Confirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cult-and-occult

Description Category Cult and Occult

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dating

Description Category Dating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-sites

Description Category Dead Sites (db Ops only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drugs

Description Category Abused Drugs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-comment

Description Category Dynamic Comment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

educational-institutions

Description Category Educational Institutions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entertainment-and-arts

Description Category Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fashion-and-beauty

Description Category Fashion and Beauty

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

financial-services

Description Category Financial Services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

food-and-dining

Description Category Food and Dining

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gambling

Description Category Gambling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

games

Description Category Games

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

government

Description Category Government

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gross

Description Category Gross

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hacking

Description Category Hacking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hate-and-racism

Description Category Hate and Racism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-and-medicine

Description Category Health and Medicine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

home-and-garden

Description Category Home and Garden

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hunting-and-fishing

Description Category Hunting and Fishing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal

Description Category Illegal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal-pornography

Description Category Illegal join Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

image-and-video-search

Description Category Image and Video Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-communications

Description Category Internet Communications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-portals

Description Category Internet Portals

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-search

Description Category Job Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keyloggers-and-monitoring

Description Category Keyloggers and Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kids

Description Category Kids

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

legal

Description Category Legal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-information

Description Category Local Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malware-sites

Description Category Malware Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

marijuana

Description Category Marijuana

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

military

Description Category Military

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

motor-vehicles

Description Category Motor Vehicles

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

music

Description Category Music

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

news-and-media

Description Category News and Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity

Description Category Nudity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity-artistic

Description Category Nudity join Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

online-greeting-cards

Description Category Online Greeting cards

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-http-proxies

Description Category Open HTTP Proxies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parked-domains

Description Category Parked Domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pay-to-surf

Description Category Pay to Surf

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-to-peer

Description Category Peer to Peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-sites-and-blogs

Description Category Personal sites and Blogs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-storage

Description Category Personal Storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

philosophy-and-politics

Description Category Philosophy and Political Advocacy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

phishing-and-other-fraud

Description Category Phishing and Other Frauds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

private-ip-addresses

Description Category Private IP Addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-avoid-and-anonymizers

Description Category Proxy Avoid and Anonymizers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

questionable

Description Category Questionable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-estate

Description Category Real Estate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recreation-and-hobbies

Description Category Recreation and Hobbies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reference-and-research

Description Category Reference and Research

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

religion

Description Category Religion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-engines

Description Category Search Engines

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sex-education

Description Category Sex Education

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shareware-and-freeware

Description Category Shareware and Freeware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shopping

Description Category Shopping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

social-network

Description Category Social Network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

society

Description Category Society

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spam-urls

Description Category SPAM URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sports

Description Category Sports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spyware-and-adware

Description Category Spyware and Adware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stock-advice-and-tools

Description Category Stock Advice and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

streaming-media

Description Category Streaming Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

swimsuits-and-intimate-apparel

Description Category Swimsuits and Intimate Apparel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

training-and-tools

Description Category Training and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translation

Description Category Translation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

travel

Description Category Travel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uncategorized

Description Uncategorized URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unconfirmed-spam-sources

Description Category Unconfirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

violence

Description Category Violence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weapons

Description Category Weapons

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-advertisements

Description Category Web Advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-based-email

Description Category Web based email

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-hosting-sites

Description Category Web Hosting Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ssl-list_certificate-san-equals-list

Specification	
Type	*list*
Block object keys	

certificate-san-equals

Description Forward proxy bypass if Certificate SAN equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-issuer-contains-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-contains

Description Forward proxy bypass if Certificate issuer contains another string (Certificate issuer)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_client-auth-starts-with-list

Specification	
Type	*list*
Block object keys	

client-auth-starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-subject-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-subject-ends-with

Description Forward proxy bypass if Certificate Subject ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_bypass-cert-san-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-san-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-multi-class-list-name and bypass-cert-san-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

client-ssl-list_server-name-list

Specification	
Type	*list*
Block object keys	

server-cert

Description Server Certificate associated to SNI (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-cert-regex

Description Server Certificate associated to SNI regex (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-chain

Description Server Certificate Chain associated to SNI (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-chain-regex

Description Server Certificate Chain associated to SNI regex (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-encrypted-regex

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-key

Description Server Private Key associated to SNI (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-key-regex

Description Server Private Key associated to SNI regex (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-name

Description Server name indication in Client hello extension (Server name String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-regex

Description Server name indication in Client hello extension with regular expression (Server name String with regex)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-regex-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-passphrase

Description help Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

server-passphrase-regex

Description help Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

server-shared

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-shared-regex

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ssl-list_exception-web-category

Specification	
Type	*object*

exception-abortion

Description Category Abortion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-adult-and-pornography

Description Category Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-alcohol-and-tobacco

Description Category Alcohol and Tobacco

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-auctions

Description Category Auctions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-bot-nets

Description Category Bot Nets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-business-and-economy

Description Category Business and Economy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cdns

Description Category CDNs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cheating

Description Category Cheating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-computer-and-internet-info

Description Category Computer and Internet Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-computer-and-internet-security

Description Category Computer and Internet Security

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-confirmed-spam-sources

Description Category Confirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cult-and-occult

Description Category Cult and Occult

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dating

Description Category Dating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dead-sites

Description Category Dead Sites (db Ops only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-drugs

Description Category Abused Drugs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dynamic-comment

Description Category Dynamic Comment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-educational-institutions

Description Category Educational Institutions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-entertainment-and-arts

Description Category Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-fashion-and-beauty

Description Category Fashion and Beauty

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-financial-services

Description Category Financial Services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-food-and-dining

Description Category Food and Dining

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-gambling

Description Category Gambling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-games

Description Category Games

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-government

Description Category Government

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-gross

Description Category Gross

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hacking

Description Category Hacking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hate-and-racism

Description Category Hate and Racism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-health-and-medicine

Description Category Health and Medicine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-home-and-garden

Description Category Home and Garden

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hunting-and-fishing

Description Category Hunting and Fishing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-illegal

Description Category Illegal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-illegal-pornography

Description Category Illegal join Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-image-and-video-search

Description Category Image and Video Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-internet-communications

Description Category Internet Communications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-internet-portals

Description Category Internet Portals

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-job-search

Description Category Job Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-keyloggers-and-monitoring

Description Category Keyloggers and Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-kids

Description Category Kids

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-legal

Description Category Legal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-local-information

Description Category Local Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-malware-sites

Description Category Malware Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-marijuana

Description Category Marijuana

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-military

Description Category Military

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-motor-vehicles

Description Category Motor Vehicles

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-music

Description Category Music

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-news-and-media

Description Category News and Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-nudity

Description Category Nudity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-nudity-artistic

Description Category Nudity join Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-online-greeting-cards

Description Category Online Greeting cards

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-open-http-proxies

Description Category Open HTTP Proxies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-parked-domains

Description Category Parked Domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-pay-to-surf

Description Category Pay to Surf

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-peer-to-peer

Description Category Peer to Peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-personal-sites-and-blogs

Description Category Personal sites and Blogs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-personal-storage

Description Category Personal Storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-philosophy-and-politics

Description Category Philosophy and Political Advocacy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-phishing-and-other-fraud

Description Category Phishing and Other Frauds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-private-ip-addresses

Description Category Private IP Addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-proxy-avoid-and-anonymizers

Description Category Proxy Avoid and Anonymizers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-questionable

Description Category Questionable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-real-estate

Description Category Real Estate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-recreation-and-hobbies

Description Category Recreation and Hobbies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-reference-and-research

Description Category Reference and Research

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-religion

Description Category Religion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-search-engines

Description Category Search Engines

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-sex-education

Description Category Sex Education

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-shareware-and-freeware

Description Category Shareware and Freeware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-shopping

Description Category Shopping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-social-network

Description Category Social Network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-society

Description Category Society

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-spam-urls

Description Category SPAM URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-sports

Description Category Sports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-spyware-and-adware

Description Category Spyware and Adware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-stock-advice-and-tools

Description Category Stock Advice and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-streaming-media

Description Category Streaming Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-swimsuits-and-intimate-apparel

Description Category Swimsuits and Intimate Apparel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-training-and-tools

Description Category Training and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-translation

Description Category Translation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-travel

Description Category Travel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-uncategorized

Description Uncategorized URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-unconfirmed-spam-sources

Description Category Unconfirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-violence

Description Category Violence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-weapons

Description Category Weapons

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-advertisements

Description Category Web Advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-based-email

Description Category Web based email

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-hosting-sites

Description Category Web Hosting Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ssl-list_certificate-issuer-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-starts

Description Forward proxy bypass if Certificate issuer starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-san-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-san-starts

Description Forward proxy bypass if Certificate SAN starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_client-auth-ends-with-list

Specification	
Type	*list*
Block object keys	

client-auth-ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_exception-web-reputation

Specification	
Type	*object*

exception-low-risk

Description Intercept when reputation score is less than or equal to 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-low-riskexception-trustworthy, exception-moderate-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

exception-malicious

Description Intercept when reputation score is less than or equal to 20

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-maliciousexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious and exception-threshold are mutually exclusive

exception-moderate-risk

Description Intercept when reputation score is less than or equal to 60

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-moderate-riskexception-trustworthy, exception-low-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

exception-suspicious

Description Intercept when reputation score is less than or equal to 40

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-suspiciousexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-malicious and exception-threshold are mutually exclusive

exception-threshold

Description Intercept when reputation score is less than or equal to a customized value (1-100)

Type: number

Range: 1-100

Mutual Exclusion: exception-thresholdexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious and exception-malicious are mutually exclusive

exception-trustworthy

Description Intercept when reputation score is less than or equal to 100

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-trustworthyexception-low-risk, exception-moderate-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

client-ssl-list_certificate-subject-equals-list

Specification	
Type	*list*
Block object keys	

certificate-subject-equals

Description Forward proxy bypass if Certificate Subject equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_cipher-without-prio-list

Specification	
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA':

TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio template-cipher and shared-partition-cipher-template are mutually exclusive

client-ssl-list_starts-with-list

Specification	
Type	*list*
Block object keys	

starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

link-block-as-down

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dynamic-service-list

Specification	
Type	*list*
Block object keys	

dns-server

Type: List

name

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dynamic-service-list_dns-server

Specification	
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

dblb-list

Specification	
Type	*list*
Block object keys	

calc-sha1

Description: calc-sha1 is a **JSON Block**. Please see below for *dblb-list_calc-sha1*

Type: Object

Refernce Object: */axapi/v3/slb/template/dblb/{name}/calc-sha1*

class-list

Description Specify user/password string class list (Class list name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description DBLB template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-version

Description 'MSSQL2008': MSSQL server 2008 or 2008 R2; 'MSSQL2012': MSSQL server 2012; 'MySQL': MySQL server (any version);

Type: string

Supported Values: MSSQL2008, MSSQL2012, MySQL

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dblb-list_calc-sha1

Specification	
Type	*object*

sha1-value

Description Cleartext password

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fix-list

Specification	
Type	*list*
Block object keys	

insert-client-ip

Description Insert client ip to tag 11447

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tag-switching

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fix-list_tag-switching

Specification	
Type	*list*
Block object keys	

equals

Description Equals (Tag String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

switching-type

Description 'sender-comp-id': Select service group based on SenderCompID; 'target-comp-id': Select service group based on TargetCompID;

Type: string

Supported Values: sender-comp-id, target-comp-id

persist

Specification	
Type	*object*

cookie-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/cookie/{name}*

destination-ip-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/destination-ip/{name}*

source-ip-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/source-ip/{name}*

ssl-sid-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid/{name}*

persist_destination-ip-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of destination IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Destination IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist_source-ip-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-higher-priority

Description Enforce to use high priority node if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of source IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-dst-ip

Description Include destination IP on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-sport

Description Include source port on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Source IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

primary-port

Description Primary port to create the persist session

Type: number

Range: 1-65534

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist_cookie-list

Specification	
Type	*list*
Block object keys	

cookie-name

Description Set cookie name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: sto-id

domain

Description Set cookie domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypt-level

Description Encryption level for cookie name / value

Type: number

Range: 0-1

Default: 1

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

expire

Description Set cookie expiration time (Expiration in seconds)

Type: number

Range: 0-31536000

Default: 31536000

httponly

Description Enable HttpOnly attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-always

Description Insert persist cookie to every reponse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persist for server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pass-phrase

Description Set passphrase for encryption

Type: string

Format: password

Maximum Length: 8 characters

Maximum Length: 8 characters

Default: ACOS4KEY

pass-thru

Description Pass thru mode - Server sends the persist cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

path

Description Set cookie path (Cookie path, default is "/")

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: /

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute;

Type: string

Supported Values: host, secure

samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

scan-all-members

Description Persist within the same server SCAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure

Description Enable secure attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

server-service-group

Description Persist to the same server and within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist_ssl-sid-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SSL session ID persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

doh-list

Specification	
Type	*list*
Block object keys	

conn-reuse

Description 'enable': Enable Connection Reuse; 'disable': Disable Connection-Reuse (Default);

Type: string

Supported Values: enable, disable

Default: disable

dns-retry

Description: dns-retry is a **JSON Block**. Please see below for *doh-list_dns-retry*

Type: Object

Refernce Object: */axapi/v3/slb/template/doh/{name}/dns-retry*

forwarder

Description: forwarder is a **JSON Block**. Please see below for *doh-list_forwarder*

Type: Object

Refernce Object: */axapi/v3/slb/template/doh/{name}/forwarder*

name

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-dns-request

Description 'allow': Forward Non-DoH request to http server bound to vport; 'reject': Reject Non-DoH requests with HTTP 400 Bad Request (Default);

Type: string

Supported Values: allow, reject

Default: reject

reject-status-code

Description '400': Status Code 400 BAD Request (Default); '500': Status Code 500 Internal Server Error; '501': Status Code 501 Not Implemented;

Type: string

Supported Values: 400, 500, 501

Default: 400

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

snat-pool

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

source-nat

Description 'auto': Perform Source NAT Auto for service-group(Default) (Not supported with forwarding-ip); 'disable': Don't perform source-nat for server side DNS queries; 'pool': Perform Source NAT with specific pool;

Type: string

Supported Values: auto, disable, pool

Default: auto

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

doh-list_forwarder

Specification	
Type	*object*

forwarding-ipv4

Description SLB VIP IPv4 address to forward DOH query (IP address)

Type: string

Format: ipv4-address

Mutual Exclusion: forwarding-ipv4forwarding-ipv6, tcp-service-group and udp-service-group are mutually exclusive

forwarding-ipv6

Description SLB VIP IPv6 address to forward DOH query (IP address)

Type: string

Format: ipv6-address

Mutual Exclusion: forwarding-ipv6forwarding-ipv4, tcp-service-group and udp-service-group are mutually exclusive

tcp-service-group

Description Bind a TCP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-service-group forwarding-ipv4 and forwarding-ipv6 are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

udp-service-group

Description Bind a UDP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: udp-service-group forwarding-ipv4 and forwarding-ipv6 are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v4-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v4-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

v6-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v6-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

doh-list_dns-retry

Specification	
Type	*object*

after-timeout

Description 'close': Close client side connection; 'retry-with-tcp': Retry DNS query to server using TCP (If UDP was tried initially. Close after.);

Type: string

Supported Values: close, retry-with-tcp

Default: close

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 100-199

Mutual Exclusion: acl-id and acl-name-value are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-name-value

Description IPv4 Access List Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-value and acl-id are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

alg-dest-nat

Description Translate VIP to real server IP in SIP message when destination NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alg-source-nat

Description Translate source IP to NAT IP in SIP message when source NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

call-id-persist-disable

Description Disable call-ID persistence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-keep-alive

Description Respond client keep-alive packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header

Type: List

client-response-header

Type: List

dialog-aware

Description Permit system processes dialog session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-when-client-fail

Description Drop current SIP message when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-client-fail and failed-client-selection-message are mutually exclusive

drop-when-server-fail

Description Drop current SIP message when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-server-fail and failed-server-selection-message are mutually exclusive

exclude-translation

Type: List

failed-client-selection

Description Define action when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-client-selection-message

Description Send SIP message (includs status code) to server when select client fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-client-selection-message and drop-when-client-fail are mutually exclusive

failed-server-selection

Description Define action when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-server-selection-message

Description Send SIP message (includs status code) to client when select server fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-server-selection-message and drop-when-server-fail are mutually exclusive

insert-client-ip

Description Insert Client IP address into SIP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description The interval of keep-alive packet for each persist connection (second)

Type: number

Range: 5-300

Default: 30

keep-server-ip-if-match-acl

Description Use Real Server IP for addresses matching the ACL for a Call-Id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pstn-gw

Description configure pstn gw host name for tel: uri translate to sip: uri (Hostname String, default is "pstn")

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: pstn

server-keep-alive

Description Send server keep-alive packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header

Type: List

server-response-header

Type: List

server-selection-per-request

Description Force server selection on every SIP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

smp-call-id-rtp-session

Description Create the across cpu call-id rtp session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Time in minutes

Type: number

Range: 1-250

Default: 30

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip-list_server-request-header

Specification	
Type	*list*
Block object keys	

insert-condition-server-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-request-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sip-list_server-response-header

Specification	
Type	*list*
Block object keys	

insert-condition-server-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-response-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sip-list_client-request-header

Specification	
Type	*list*
Block object keys	

client-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-request-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

sip-list_client-response-header

Specification	
Type	*list*
Block object keys	

client-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-response-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

sip-list_exclude-translation

Specification	
Type	*list*
Block object keys	

header-string

Description SIP header name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

translation-value

Description 'start-line': SIP request line or status line; 'header': SIP message headers; 'body': SIP message body;

Type: string

Supported Values: start-line, header, body

respmod-icap-list

Specification	
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 1 - 65535, default is 0 (1 - 65530, default is 0)

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respmod-icap-list_bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass respmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

virtual-server-list

Specification	
Type	*list*
Block object keys	

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-when-all-ports-down

Description Disable Virtual Server when all member ports are down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-all-ports-down and disable-when-any-port-down are mutually exclusive

disable-when-any-port-down

Description Disable Virtual Server when any member port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-any-port-down and disable-when-all-ports-down are mutually exclusive

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-rate-limit

Description ICMP rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-rate-limit

Description ICMPv6 rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

name

Description Virtual server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

subnet-gratuitous-arp

Description Send gratuitous ARP for every IP in the subnet virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-stack-tfo-active-conn-limit

Description The allowed active layer 7 tcp fast-open connection limit, default is zero (number)

Type: number

Range: 0-10000

Default: 0

tcp-stack-tfo-backoff-time

Description The time tcp stack will wait before allowing new fast-open requests after security condition, default 600 seconds (number)

Type: number

Range: 1-14400

Default: 600

tcp-stack-tfo-cookie-time-limit

Description The time limit (in seconds) that a layer 7 tcp fast-open cookie is valid, default is 60 seconds (number)

Type: number

Range: 1-14400

Default: 60

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-ssh-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hostkey

Description Specify private-key (Key Name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

name

Description Client SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssli-list

Specification	
Type	*list*
Block object keys	

name

Description SSLi Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'http': HTTP service; 'xmpp': XMPP service; 'smtp': SMTP service; 'pop': POP service;

Type: string

Supported Values: http, xmpp, smtp, pop, ldap, ftp

Default: http

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssh-list

Specification	
Type	*list*
Block object keys	

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssh-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'successful_handshakes': successful_handshakes; 'failed_handshakes': failed_handshakes; 'forwarding_errors': forwarding_errors;

Type: string

Supported Values: all, successful_handshakes, failed_handshakes, forwarding_errors

dns-list

Specification	
Type	*list*
Block object keys	

add-padding-to-client

Description 'block-length': Block-Length Padding; 'random-block-length': Random-Block-Length Padding;

Type: string

Supported Values: block-length, random-block-length

cache-record-serving-policy

Description 'global': Follow global cofiguration (Default); 'no-change': No change in record order; 'round-robin': Round-robin;

Type: string

Supported Values: global, no-change, round-robin

class-list

Description: class-list is a **JSON Block**. Please see below for *dns-list_class-list*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-rpz-attach-soa

Description Disable attaching SOA due to RPZ

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging

Description dns logging template (DNS Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dns-logging*

dnssec-service-group

Description Use different service group if DNSSEC DO bit set (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

enable-cache-sharing

Description Enable DNS cache sharing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward to service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

local-dns-resolution

Description: local-dns-resolution is a **JSON Block**. Please see below for *dns-list_local-dns-resolution*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/local-dns-resolution*

max-cache-entry-size

Description Define maximum cache entry size (Maximum cache entry size per VIP)

Type: number

Range: 1-4096

Default: 1024

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

max-query-length

Description Define Maximum DNS Query Length, default is unlimited (Specify Maximum Length)

Type: number

Range: 1-4095

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Period in minutes

Type: number

Range: 1-10000

query-class-filter

Description: query-class-filter is a **JSON Block**. Please see below for *dns-list_query-class-filter*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/query-class-filter*

query-id-switch

Description Use DNS query ID to create sesion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-type-filter

Description: query-type-filter is a **JSON Block**. Please see below for *dns-list_query-type-filter*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/query-type-filter*

recursive-dns-resolution

Description: recursive-dns-resolution is a **JSON Block**. Please see below for *dns-list_recursive-dns-resolution*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution*

redirect-to-tcp-port

Description Direct the client to retry with TCP for DNS UDP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-aa-flag

Description Make answers created from cache non-authoritative

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-edns-csubnet-to-server

Description Remove EDNS(0) client subnet from client queries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-padding-to-server

Description Remove EDNS(0) padding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-rate-limiting

Description: response-rate-limiting is a **JSON Block**. Please see below for *dns-list_response-rate-limiting*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting*

rpz-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}*

udp-retransmit

Description: udp-retransmit is a **JSON Block**. Please see below for *dns-list_udp-retransmit*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/udp-retransmit*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_response-rate-limiting

Specification	
Type	*object*

action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-response-rate

Description Maximum allowed request rate for the filter. This should match average traffic. (default 20 per two seconds)

Type: number

Range: 1-1000

Default: 10

response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

rrl-class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}*

slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

dns-list_response-rate-limiting_rrl-class-list-list

Specification	
Type	*list*
Block object keys	

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_response-rate-limiting_rrl-class-list-list_lid-list

Specification	
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_rpz-list

Specification	
Type	*list*
Block object keys	

logging

Description: logging is a **JSON Block**. Please see below for *dns-list_rpz-list_logging*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging*

name

Description Specify a Response Policy Zone name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-id

Description sequential id of RPZ

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_rpz-list_logging

Specification	
Type	*object*

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_rpz-list_logging_rpz-action

Specification	
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

dns-list_recursive-dns-resolution

Specification	
Type	*object*

host-list-cfg

Type: List

ipv4-nat-pool

Description IPv4 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

ipv6-nat-pool

Description IPv6 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/nat/pool*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 30

Type: number

Range: 1-62

Default: 30

retries-per-level

Description Number of DNS query retries at each server level before closing client connection, default 6

Type: number

Range: 1-6

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_recursive-dns-resolution_host-list-cfg

Specification	
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (ac type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

dns-list_class-list

Specification	
Type	*object*

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *dns-list_class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_class-list_lid-list_dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

dns-list_udp-retransmit

Specification	
Type	*object*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_query-class-filter

Specification	
Type	*object*

query-class

Type: List

query-class-action

Description 'allow': Allow only certain DNS query classes; 'deny': Deny only certain DNS query classes;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_query-class-filter_query-class

Specification	
Type	*list*
Block object keys	

num-query-class

Description Other query class value

Type: number

Range: 1-65535

str-query-class

Description 'INTERNET': INTERNET query class; 'CHAOS': CHAOS query class; 'HESIOD': HESIOD query class; 'NONE': NONE query class; 'ANY': ANY query class;

Type: string

Supported Values: INTERNET, CHAOS, HESIOD, NONE, ANY

dns-list_local-dns-resolution

Specification	
Type	*object*

host-list-cfg

Type: List

local-resolver-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_local-dns-resolution_host-list-cfg

Specification	
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (ac type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

dns-list_local-dns-resolution_local-resolver-cfg

Specification	
Type	*list*
Block object keys	

local-resolver

Description Local dns servers (address)

Type: string

Format: ipv4-address

dns-list_query-type-filter

Specification	
Type	*object*

query-type

Type: List

query-type-action

Description 'allow': Allow only certain DNS query types; 'deny': Deny only certain DNS query types;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_query-type-filter_query-type

Specification	
Type	*list*
Block object keys	

num-query-type

Description Other record type value

Type: number

Range: 1-65535

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

http-list

Specification	
Type	*list*
Block object keys	

100-cont-wait-for-req-complete

Description When REQ has Expect 100 and response is not 100, then wait for whole request to be sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-sg

Description Select service group for non-http traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

client-ip-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-port-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-auto-disable-on-high-cpu

Description Auto-disable software compression on high cpu usage (Disable compression if cpu usage is above threshold. Default is off.)

Type: number

Range: 1-100

compression-content-type

Type: List

compression-enable

Description Enable Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-exclude-content-type

Type: List

compression-exclude-uri

Type: List

compression-keep-accept-encoding

Description Keep accept encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-keep-accept-encoding-enable

Description Enable Server Accept Encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-level

Description compression level, default 1 (compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-minimum-content-length

Description Minimum Content Length (Minimum content length for compression in bytes. Default is 120.)

Type: number

Range: 1-2147483647

Default: 120

cookie-format

Description 'rfc6265': Follow rfc6265;

Type: string

Supported Values: rfc6265

cookie-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

default-charset

Description 'iso-8859-1': Use ISO-8859-1 as the default charset; 'utf-8': Use UTF-8 as the default charset; 'us-ascii': Use US-ASCII as the default charset;

Type: string

Supported Values: iso-8859-1, utf-8, us-ascii

Default: utf-8

failover-url

Description Failover to this URL (Failover URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

frame-limit

Description Limit the number of CONTINUATION, PING, PRIORITY, RESET, SETTINGS and empty frames in one HTTP2 connection, default 10000

Type: number

Range: 0-65535

Default: 10000

host-switching

Type: List

insert-client-ip

Description Insert Client IP address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip-header-name

Description HTTP Header Name for inserting Client IP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

insert-client-port

Description Insert Client Port address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-port-header-name

Description HTTP Header Name for inserting Client Port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

keep-client-alive

Description Keep client alive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-retry

Description log when HTTP request retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-concurrent-streams

Description (http2 only) Max concurrent streams, default 100

Type: number

Range: 1-1000

Default: 100

name

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-http-bypass

Description Bypass non-http traffic instead of dropping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

persist-on-401

Description Persist to the same server if the response code is 401

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute; 'check': check server prefix and enforce prefix format;

Type: string

Supported Values: host, secure, check

rd-port

Description Port (Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: rd-port and rd-simple-loc are mutually exclusive

rd-resp-code

Description '301': Moved Permanently; '302': Found; '303': See Other; '307': Temporary Redirect;

Type: string

Supported Values: 301, 302, 303, 307

rd-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rd-secure and rd-simple-loc are mutually exclusive

rd-simple-loc

Description Redirect location tag absolute URI string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: rd-simple-loc rd-secure and rd-port are mutually exclusive

redirect

Description Automatically send a redirect response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-rewrite

Description: redirect-rewrite is a **JSON Block**. Please see below for *http-list_redirect-rewrite*

Type: Object

req-hdr-wait-time

Description HTTP request header wait time before abort connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-hdr-wait-time-val

Description Number of seconds wait for client request header (default is 7)

Type: number

Range: 1-31

Default: 7

request-header-erase-list

Type: List

request-header-insert-list

Type: List

request-line-case-insensitive

Description Parse http request line as case insensitive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-timeout

Description Request timeout if response not received (timeout in seconds)

Type: number

Range: 1-120

response-content-replace-list

Type: List

response-header-erase-list

Type: List

response-header-insert-list

Type: List

retry-on-5xx

Description Retry http request on HTTP 5xx code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx and retry-on-5xx-per-req are mutually exclusive

retry-on-5xx-per-req

Description Retry http request on HTTP 5xx code for each request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx-per-req and retry-on-5xx are mutually exclusive

retry-on-5xx-per-req-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

retry-on-5xx-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

strict-transaction-switch

Description Force server selection on every HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template

Description: template is a **JSON Block**. Please see below for *http-list_template*

Type: Object

term-11client-hdr-conn-close

Description Terminate HTTP 1.1 client when req has Connection: close

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-hash-first

Description Use the begining part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-first and url-hash-last are mutually exclusive

url-hash-last

Description Use the end part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-last and url-hash-first are mutually exclusive

url-hash-offset

Description Skip part of URL to calculate hash value (Offset of the URL string)

Type: number

Range: 0-255

url-hash-persist

Description Use URL's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-switching

Type: List

use-server-status

Description Use Server-Status header to do URL hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-list_request-header-erase-list

Specification	
Type	*list*
Block object keys	

request-header-erase

Description Erase a header from HTTP request (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-list_redirect-rewrite

Specification	
Type	*object*

match-list

Type: List

redirect-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-secure-port

Description Port (Port Number)

Type: number

Range: 1-65535

Default: 443

http-list_redirect-rewrite_match-list

Specification	
Type	*list*
Block object keys	

redirect-match

Description URL Matching (Pattern URL String)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rewrite-to

Description Rewrite to Destination URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-list_response-header-insert-list

Specification	
Type	*list*
Block object keys	

response-header-insert

Description Insert a header into HTTP response (Header Content (Format: "[name]: [value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

http-list_response-header-erase-list

Specification	
Type	*list*
Block object keys	

response-header-erase

Description Erase a header from HTTP response (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-list_template

Specification	
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

http-list_url-switching

Specification	
Type	*list*
Block object keys	

url-match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

url-switching-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string; 'url-case-insensitive': Case insensitive URL switching; 'url-hits-enable': Enables URL Hits;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, url-case-insensitive, url-hits-enable

http-list_response-content-replace-list

Specification	
Type	*list*
Block object keys	

response-content-replace

Description replace the data from HTTP response content (String in the http content need to be replaced)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-new-string

Description String will be in the http content

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

http-list_request-header-insert-list

Specification	
Type	*list*
Block object keys	

request-header-insert

Description Insert a header into HTTP request (Header Content (Format: "[name]: [value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

http-list_host-switching

Specification	
Type	*list*
Block object keys	

host-match-string

Description Hostname String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

host-switching-type

Description 'contains': Select service group if hostname contains another string; 'ends-with': Select service group if hostname ends with another string; 'equals': Select service group if hostname equals another string; 'starts-with': Select service group if hostname starts with another string; 'host-hits-enable': Enables Host Hits counters;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, host-hits-enable

http-list_compression-content-type

Specification	
Type	*list*
Block object keys	

content-type

Description Compression content-type

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-list_compression-exclude-uri

Specification	
Type	*list*
Block object keys	

exclude-uri

Description Compression exclude uri

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-list_compression-exclude-content-type

Specification	
Type	*list*
Block object keys	

exclude-content-type

Description Compression exclude content-type (Compression exclude content type)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

dns-logging-list

Specification	
Type	*list*
Block object keys	

disable

Description Disable DNS Logging template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging-protocol

Description 'both': Log DNS over tcp and udp; 'tcp': Log DNS over tcp; 'udp': Log DNS over udp;

Type: string

Supported Values: both, tcp, udp

dns-logging-request-section

Description 'all': Log DNS header and question section; 'header': Log DNS header information; 'question': Log DNS question section;

Type: string

Supported Values: all, header, question

dns-logging-type

Description 'query': DNS Query Logging;

Type: string

Supported Values: query

name

Description DNS Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-list

Specification	
Type	*list*
Block object keys	

aflow

Description Use aFlow to eliminate the traffic surge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-syn-otherflags

Description Allow initial SYN packet with other flags

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-vip-to-rport-mapping

Description Allow mapping of VIP to real port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-unknown-conn

Description Drop conection if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-options

Description 'no-logging': Do not log over limit event; 'no-repeat-logging': log once for over limit event. Default is log once per minute;

Type: string

Supported Values: no-logging, no-repeat-logging

name

Description Virtual port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

non-syn-initiation

Description Allow initial TCP packet to be non-SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-interval

Description '100ms': Source IP and port rate limit per 100ms; 'second': Source IP and port rate limit per second (default);

Type: string

Supported Values: 100ms, second

Default: second

pkt-rate-limit-reset

Description send client-side reset (reset after packet limit)

Type: number

Range: 0-1048575

Default: 0

pkt-rate-type

Description 'src-ip-port': Source IP and port rate limit; 'src-port': Source port rate limit;

Type: string

Supported Values: src-ip-port, src-port

rate

Description Source IP and port rate limit (Packet rate limit)

Type: number

Range: 1-1048575

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reset-l7-on-failover

Description Send reset to L7 client and server connection upon a failover

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-unknown-conn

Description Send reset back if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-msl

Description Source NAT MSL (Source NAT MSL value)

Type: number

Range: 1-1800

snat-port-preserve

Description Source NAT Port Preservation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

when-rr-enable

Description Only do rate limit if CPU RR triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mqtt-list

Specification	
Type	*list*
Block object keys	

clientid-hash-first

Description Use the begining part of client ID to calculate hash value (client ID string length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-last

Description Use the end part of Client ID to calculate hash value (Client ID length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-offset

Description Skip part of Client ID to calculate hash value (Offset of the Client ID)

Type: number

Range: 0-255

clientid-hash-persist

Description Use Client ID's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description MQTT Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cipher-list

Specification	
Type	*list*
Block object keys	

cipher-cfg

Type: List

cipher13-cfg

Type: List

name

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cipher-list_cipher13-cfg

Specification	
Type	*list*
Block object keys	

cipher13-suite

Description 'TLS_AES_256_GCM_SHA384': TLS_AES_256_GCM_SHA384; 'TLS_CHACHA20_POLY1305_SHA256': TLS_CHACHA20_POLY1305_SHA256; 'TLS_AES_128_GCM_SHA256': TLS_AES_128_GCM_SHA256;

Type: string

Supported Values: TLS_AES_256_GCM_SHA384, TLS_CHACHA20_POLY1305_SHA256, TLS_AES_128_GCM_SHA256

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

cipher-list_cipher-cfg

Specification	
Type	*list*
Block object keys	

cipher-suite

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_SM3, TLS1_ECDHE_SM2_WITH_SMS4_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

policy-list

Specification	
Type	*list*
Block object keys	

bw-list-id

Type: List

bw-list-name

Description Specify a blacklist/whitelist name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list

Description: class-list is a **JSON Block**. Please see below for *policy-list_class-list*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/class-list*

forward-policy

Description: forward-policy is a **JSON Block**. Please see below for *policy-list_forward-policy*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy*

full-domain-tree

Description Share counters between geo-location and sub regions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Log interval (minute)

Type: number

Range: 1-255

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

over-limit

Description Specify operation in case over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-lockup

Description Don't accept any new connection for certain time (Lockup duration (minute))

Type: number

Range: 1-127

over-limit-logging

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-reset

Description Reset the connection when it exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

overlap

Description Use overlap mode for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

share

Description Share counters between virtual ports and virtual servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Define timeout value of PBSLB dynamic entry (Timeout value (minute, default is 5))

Type: number

Range: 1-127

Default: 5

use-destination-ip

Description Use destination IP to match the policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy

Specification	
Type	*object*

acos-event-log

Description Enable acos event logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}*

filtering

Type: List

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-client-conn-reuse

Description Inspects only first request of a connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

require-web-category

Description Wait for web category to be resolved before taking proxy decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

san-filtering

Type: List

source-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_filtering

Specification	
Type	*list*
Block object keys	

ssli-url-filtering

Description 'bypassed-sni-disable': Disable SNI filtering for bypassed URL's(enabled by default); 'intercepted-sni-enable': Enable SNI filtering for intercepted URL's(disabled by default); 'intercepted-http-disable': Disable HTTP(host/URL) filtering for intercepted URL's(enabled by default); 'no-sni-allow': Allow connection if SNI filtering is enabled and SNI header is not present(Drop by default);

Type: string

Supported Values: bypassed-sni-disable, intercepted-sni-enable, intercepted-http-disable, no-sni-allow

policy-list_forward-policy_san-filtering

Specification	
Type	*list*
Block object keys	

ssli-url-filtering-san

Description 'enable-san': Enable SAN filtering(disabled by default); 'bypassed-san-disable': Disable SAN filtering for bypassed URL's(enabled by default); 'intercepted-san-enable': Enable SAN filtering for intercepted URL's(disabled by default); 'no-san-allow': Allow connection if SAN filtering is enabled and SAN field is not present(Drop by default);

Type: string

Supported Values: enable-san, bypassed-san-disable, intercepted-san-enable, no-san-allow

policy-list_forward-policy_action-list

Specification	
Type	*list*
Block object keys	

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url drop-response-code and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_action-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

policy-list_forward-policy_source-list

Specification	
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *policy-list_forward-policy_source-list_destination*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_source-list_destination

Specification	
Type	*object*

any

Description: any is a **JSON Block**. Please see below for *policy-list_forward-policy_source-list_destination_any*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

policy-list_forward-policy_source-list_destination_class-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_source-list_destination_class-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

policy-list_forward-policy_source-list_destination_web-category-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

policy-list_forward-policy_source-list_destination_web-category-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

policy-list_forward-policy_source-list_destination_any

Specification	
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_source-list_destination_any_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

policy-list_forward-policy_source-list_destination_web-reputation-scope-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/reputation-scope*

policy-list_forward-policy_source-list_destination_web-reputation-scope-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

policy-list_forward-policy_source-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

policy-list_class-list

Specification	
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name or geo-location-class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *policy-list_class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_class-list_lid-list_dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

policy-list_class-list_lid-list_response-code-rate-limit

Specification	
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

policy-list_bw-list-id

Specification	
Type	*list*
Block object keys	

action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

bw-list-action

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: bw-list-action and service-group are mutually exclusive

fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

id

Description Specify id that maps to service group (The id number)

Type: number

Range: 0-1023

logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pbslb-interval

Description Specify logging interval in minutes

Type: number

Range: 0-60

Default: 3

pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group and bw-list-action are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

policy-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwd-policy-dns-unresolved': Forward-policy unresolved DNS queries; 'fwd-policy-dns-outstanding': Forward-policy current DNS outstanding requests; 'fwd-policy-snat-fail': Forward-policy source-nat translation failure; 'fwd-policy-hits': Number of forward-policy requests for this policy template; 'fwd-policy-forward-to-internet': Number of forward-policy requests forwarded to internet; 'fwd-policy-forward-to-service-group': Number of forward-policy requests forwarded to service group; 'fwd-policy-policy-drop': Number of forward-policy requests dropped; 'fwd-policy-source-match-not-found': Forward-policy requests without matching source rule; 'exp_client_hello_not_found': Expected Client HELLO requests not found;

Type: string

Supported Values: all, fwd-policy-dns-unresolved, fwd-policy-dns-outstanding, fwd-policy-snat-fail, fwd-policy-hits, fwd-policy-forward-to-internet, fwd-policy-forward-to-service-group, fwd-policy-forward-to-proxy, fwd-policy-policy-drop, fwd-policy-source-match-not-found, exp-client-hello-not-found

server-list

Specification	
Type	*list*
Block object keys	

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-acct

Description 'to-server-only': Only account for traffic sent to server; 'from-server-only': Only account for traffic received from server; 'all': Account for all traffic sent to and received from server;

Type: string

Supported Values: to-server-only, from-server-only, all

Default: all

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-fail-interval

Description The interval to retry when DNS failed to query (DNS failure interval (in second, default is 30))

Type: number

Range: 0-1800

Default: 30

dns-query-interval

Description The interval to query DNS server for the hostname (DNS query interval (in minute, default is 10))

Type: number

Range: 1-1440

Default: 10

dynamic-server-prefix

Description Prefix of dynamic server (Prefix of dynamic server (default is "DRS"))

Type: string

Maximum Length: 3 characters

Maximum Length: 1 characters

Default: DRS

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

log-selection-failure

Description Enable real-time logging for server selection failure event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-dynamic-server

Description Maximum dynamic server number (Maximum dynamic server number (default is 255))

Type: number

Range: 1-1023

Default: 255

min-ttl-ratio

Description Minimum TTL to DNS query interval ratio (Minimum TTL ratio (default is 2))

Type: number

Range: 1-15

Default: 2

name

Description Server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

slow-start

Description Slowly ramp up the connection number after server is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description Servers under the template are spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for the Real Servers (Connection Weight)

Type: number

Range: 1-1000

Default: 1

monitor-list

Specification	
Type	*list*
Block object keys	

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_clear-cfg

Specification	
Type	*list*
Block object keys	

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

monitor-list_link-enable-cfg

Specification	
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-up-cfg

Specification	
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-down-cfg

Specification	
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-disable-cfg

Specification	
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

tcp-proxy-list

Specification	
Type	*list*
Block object keys	

ack-aggressiveness

Description 'low': Delayed ACK; 'medium': Delayed ACK, with ACK on each packet with PUSH flag; 'high': ACK on each packet;

Type: string

Supported Values: low, medium, high

Default: low

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backend-wscale

Description The TCP window scale used for the server side, default is off (number)

Type: number

Range: 1-14

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

disable-abc

Description Appropriate Byte Counting RFC 3465 Disabled, default is enabled (Appropriate Byte Counting (ABC) is enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sack

Description disable Selective Ack Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-tcp-timestamps

Description disable TCP Timestamps Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-window-scale

Description disable TCP Window-Scale Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

dynamic-buffer-allocation

Description Optimally adjust the transmit and receive buffer sizes of TCP proxy while keeping their sum constant

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-retransmit

Description Configure the Early-Retransmit Algorithm (RFC 5827) (Early-Retransmit is disabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin-timeout

Description FIN timeout (sec), default is 5 (number)

Type: number

Range: 1-60

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

Default: 600

init-cwnd

Description The initial congestion control window size (packets), default is 10 (number)

Type: number

Range: 1-15

Default: 10

initial-window-size

Description Set the initial window size, default is off (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-rate-limit

Description Invalid Packet Response Rate Limit (ms), default is 500 (number default 500 challenges)

Type: number

Range: 0-60000000

Default: 500

keepalive-interval

Description Interval between keepalive probes (sec), default is off (number)

Type: number

Range: 60-12000

keepalive-probes

Description Number of keepalive probes sent, default is off

Type: number

Range: 2-10

limited-slowstart

Description RFC 3742 Limited Slow-Start for TCP with Large Congestion Windows (number)

Type: number

Range: 0-2147483647

Default: 0

maxburst

Description The max packet count sent per transmission event (number)

Type: number

Range: 1-100

Default: 25

min-rto

Description The minmum retransmission timeout, default is 200ms (number)

Type: number

Range: 100-1000

Default: 200

mss

Description Responding MSS to use if client MSS is large, default is off (number)

Type: number

Range: 128-9000

Default: 1460

nagle

Description Enable Nagle Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *tcp-proxy-list_proxy-header*

Type: Object

psh-flag-optimization

Description Enable Optimized PSH Flag Use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qos

Description QOS level (number)

Type: number

Range: 1-63

reassembly-limit

Description The reassembly queuing limit, default is 25 segments (number)

Type: number

Range: 1-500

Default: 25

reassembly-timeout

Description The reassembly timeout, default is 30sec (number)

Type: number

Range: 1-300

Default: 30

receive-buffer

Description TCP Receive Buffer (default 200k) (number)

Type: number

Range: 1-2147483647

Default: 200000

reno

Description Enable Reno Congestion Control Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-retries

Description Number of Retries for Retransmit, default is 5

Type: number

Range: 1-20

Default: 5

server-down-action

Description 'FIN': FIN Connection; 'RST': Reset Connection;

Type: string

Supported Values: FIN, RST

syn-retries

Description SYN Retry Numbers, default is 5

Type: number

Range: 1-20

Default: 5

timewait

Description Timewait Threshold (sec), default 5 (number)

Type: number

Range: 1-60

Default: 5

transmit-buffer

Description TCP Transmit Buffer (default 200k) (number)

Type: number

Range: 1-2147483647

Default: 200000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-proxy-list_proxy-header

Specification	
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

ftp-list

Specification	
Type	*list*
Block object keys	

active-mode-port

Description Non-Standard FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-mode-port-val

Description Non-Standard FTP Active mode port

Type: number

Range: 1-65534

Mutual Exclusion: active-mode-port-val and any are mutually exclusive

any

Description Allow any FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and active-mode-port-val are mutually exclusive

name

Description FTP template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

to

Description End range of FTP Active mode port

Type: number

Range: 1-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

imap-pop3-list

Specification	
Type	*list*
Block object keys	

logindisabled

Description Disable Login before STARTTLS.Works only for imap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description IMAP-POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

starttls

Description 'disabled': Disable STARTTLS; 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before imap transaction;

Type: string

Supported Values: disabled, optional, enforced

Default: disabled

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssl-list

Specification	
Type	*list*
Block object keys	

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

ca-certs

Type: List

certificate

Description: certificate is a **JSON Block**. Please see below for *server-ssl-list_certificate*

Type: Object

Refernce Object: */axapi/v3/slb/template/server-ssl/{name}/certificate*

cipher-template

Description Cipher Template (Cipher Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: cipher-template cipher-wo-prio and shared-partition-cipher-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cipher*

cipher-without-prio-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ocsp-stapling

Description Enable ocsp-stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-certificate-error

Type: List

server-name

Description Specify Server Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

session-cache-size

Description Session Cache Size (Specify 0 to disable Session ID reuse.)

Type: number

Range: 0-128

Default: 0

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds)

Type: number

Range: 1-7200

session-ticket-enable

Description Enable server side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template cipher-wo-prio and cipher-template are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cipher*

use-client-sni

Description use client SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 30-34

Default: 33

server-ssl-list_crl-certs

Specification	
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-partition-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ssl-list_certificate

Specification	
Type	*object*

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key

Description Client private-key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Client Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssl-list_ec-list

Specification	
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1

server-ssl-list_server-certificate-error

Specification	
Type	*list*
Block object keys	

error-type

Description 'email': Notify the error via email; 'ignore': Ignore the error, which mean the connection can continue; 'logging': Log the error; 'trap': Notify the error by SNMP trap;

Type: string

Supported Values: email, ignore, logging, trap

server-ssl-list_ca-certs

Specification	
Type	*list*
Block object keys	

ca-cert

Description Specify CA certificate

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-cert-partition-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/service-group*

server-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

server-ssl-list_cipher-without-prio-list

Specification	
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio cipher-template and shared-partition-cipher-template are mutually exclusive

2.92.74 slb template cache

RAM caching template

cache Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*cache-list*
Collection URI	/axapi/v3/slb/template/cache
Element Name	cache
Element URI	/axapi/v3/slb/template/cache/{name}
Element Attributes	cache_attributes
Schema	`cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/cache

cache attributes

```
POST /axapi/v3/slb/template/cache/
Payload:
{
    "cache": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/cache

cache attributes

Get Object

GET

/axapi/v3/slb/template/cache/{name}

cache attributes

```
GET /axapi/v3/slb/template/cache/a
Reponse:
{
    "cache": {
        "name": "a",
```

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```
        "accept-reload-req": 0,
        "age": 3600,
        "default-policy-nocache": 0,
        "disable-insert-age": 0,
        "disable-insert-via": 0,
        "max-cache-size": 80,
        "min-content-size": 512,
        "max-content-size": 81920,
        "remove-cookies": 0,
        "replacement-policy": "LFU",
        "verify-host": 0,
        "uuid": "91eb2db4-611e-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/cache/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/cache

cache-list

Modify Object

POST

/axapi/v3/slb/template/cache/{name}

cache attributes

Replace Object

PUT

/axapi/v3/slb/template/cache/{name}

cache attributes

```
PUT /axapi/v3/slb/template/cache/a
Payload:
{
    "cache": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/cache

cache-list

Delete Object

DELETE

/axapi/v3/slb/template/cache/{name}

cache attributes

```
DELETE /axapi/v3/slb/template/cache/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

cache-list

cache-list is **JSON List** of *cache attributes*

cache-list : [

{ *cache attributes* },

{ *cache attributes* },

...

]

cache attributes

accept-reload-req

Description Accept reload requests via cache-control directives in HTTP headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

age

Description Specify duration in seconds cached content valid, default is 3600 seconds (seconds that the cached content is valid (default 3600 seconds))

Type: number

Range: 1-999999

Default: 3600

default-policy-nocache

Description Specify default policy to be to not cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-age

Description Disable insertion of age header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-via

Description Disable insertion of via header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-uri-policy

Type: List

logging

Description Specify logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

max-cache-size

Description Specify maximum cache size in megabytes, default is 80MB (RAM cache size in megabytes (default 80MB))

Type: number

Range: 1-4096

Default: 80

max-content-size

Description Maximum size (bytes) of response that can be cached - default 81920 (80KB)

Type: number

Range: 0-268435455

Default: 81920

min-content-size

Description Minimum size (bytes) of response that can be cached - default 512

Type: number

Range: 0-268435455

Default: 512

name

Description Specify cache template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl*

remove-cookies

Description Remove cookies in response and cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replacement-policy

Description 'LFU': LFU;

Type: string

Supported Values: LFU

Default: LFU

sampling-enable

Type: List

uri-policy

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-host

Description Verify request using host before sending response from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-uri-policy

Specification	
Type	*list*
Block object keys	

local-uri

Description Specify Local URI for caching (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': hits; 'miss': miss; 'bytes_served': bytes_served; 'total_req': total_req; 'caching_req': caching_req; 'nc_req_header': nc_req_header; 'nc_res_header': nc_res_header; 'rv_success': rv_success; 'rv_failure': rv_failure; 'ims_request': ims_request; 'nm_response': nm_response; 'rsp_type_CL': rsp_type_CL; 'rsp_type_CE': rsp_type_CE; 'rsp_type_304': rsp_type_304; 'rsp_type_other': rsp_type_other; 'rsp_no_compress': rsp_no_compress; 'rsp_gzip': rsp_gzip; 'rsp_deflate': rsp_deflate; 'rsp_other': rsp_other; 'nocache_match': nocache_match; 'match': match; 'invalidate_match': invalidate_match; 'content_toobig': content_toobig; 'content_toosmall': content_toosmall; 'entry_create_failures': entry_create_failures; 'mem_size': mem_size; 'entry_num': entry_num; 'replaced_entry': replaced_entry; 'aging_entry': aging_entry; 'cleaned_entry': cleaned_entry;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream, header_save_error

uri-policy

Specification	
Type	*list*
Block object keys	

cache-action

Description 'cache': Specify if certain URIs should be cached; 'nocache': Specify if certain URIs should not be cached;

Type: string

Supported Values: cache, nocache

cache-value

Description Specify seconds that content should be cached, default is age specified in cache template

Type: number

Range: 1-999999

invalidate

Description Specify if URI should invalidate cache entries matching pattern (pattern that would match entries to be invalidated (64 chars max))

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uri

Description Specify URI for cache policy (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	nm_response	2	nm_response
	rsp_type_304	2	rsp_type_304
	rsp_other	2	rsp_other
	content_toosmall	2	content_toosmall

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	Counter	Size	Description
	entry_create_failures	2	entry_create_failures
	nocache_match	2	nocache_match
	content_toobig	2	content_toobig
	nc_res_header	2	nc_res_header
	miss	2	Cache misses
	nc_req_header	2	nc_req_header
	replaced_entry	8	replaced_entry
	aging_entry	8	aging_entry
	mem_size	8	mem_size
	header_save_error	2	header_save_error
	rsp_deflate	2	rsp_deflate
	invalidate_match	2	invalidate_match
	match	2	match
	cleaned_entry	8	cleaned_entry
	entry_num	8	entry_num
	total_req	2	Total requests received
	bytes_served	2	Bytes served from cache
	rv_success	2	rv_success
	rv_failure	2	rv_failure
	rsp_gzip	2	rsp_gzip
	hits	2	Cache hits
	rsp_type_other	2	rsp_type_other
	rsp_type_CE	2	rsp_type_CE
	rsp_no_compress	2	rsp_no_compress
	rsp_type_CL	2	rsp_type_CL
	caching_req	2	Total requests to cache
	ims_request	2	ims_request
	rsp_type_stream	2	rsp_type_stream

2.92.75 slb template cipher

SSL Cipher Template

cipher Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*cipher-list*
Collection URI	/axapi/v3/slb/template/cipher
Element Name	cipher
Element URI	/axapi/v3/slb/template/cipher/{name}
Element Attributes	cipher_attributes
Schema	`cipher schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/cipher

cipher attributes

Create List

POST

/axapi/v3/slb/template/cipher

cipher attributes

Get Object

GET

/axapi/v3/slb/template/cipher/{name}

cipher attributes

Get List

GET

/axapi/v3/slb/template/cipher

cipher-list

Modify Object

POST

/axapi/v3/slb/template/cipher/{name}

cipher attributes

Replace Object

PUT

/axapi/v3/slb/template/cipher/{name}

cipher attributes

Replace List

PUT

/axapi/v3/slb/template/cipher

cipher-list

Delete Object

DELETE

/axapi/v3/slb/template/cipher/{name}

cipher attributes

cipher-list

cipher-list is **JSON List** of *cipher attributes*

cipher-list : [

{ *cipher attributes* },

{ *cipher attributes* },

...

]

cipher attributes

cipher-cfg

Type: List

cipher13-cfg

Type: List

name

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cipher13-cfg

Specification	
Type	*list*
Block object keys	

cipher13-suite

Description 'TLS_AES_256_GCM_SHA384': TLS_AES_256_GCM_SHA384; 'TLS_CHACHA20_POLY1305_SHA256': TLS_CHACHA20_POLY1305_SHA256; 'TLS_AES_128_GCM_SHA256': TLS_AES_128_GCM_SHA256;

Type: string

Supported Values: TLS_AES_256_GCM_SHA384, TLS_CHACHA20_POLY1305_SHA256, TLS_AES_128_GCM_SHA256

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

cipher-cfg

Specification	
Type	*list*
Block object keys	

cipher-suite

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA':

TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_SM3, TLS1_ECDHE_SM2_WITH_SMS4_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

2.92.76 slb template client-ssh

Client Side SSH Template

client-ssh Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*client-ssh-list*
Collection URI	/axapi/v3/slb/template/client-ssh
Element Name	client-ssh
Element URI	/axapi/v3/slb/template/client-ssh/{name}
Element Attributes	client-ssh_attributes
Schema	`client-ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssh

client-ssh attributes

Create List

POST

/axapi/v3/slb/template/client-ssh

client-ssh attributes

Get Object

GET

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

Get List

GET

/axapi/v3/slb/template/client-ssh

client-ssh-list

Modify Object

POST

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

Replace List

PUT

/axapi/v3/slb/template/client-ssh

client-ssh-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

client-ssh-list

client-ssh-list is **JSON List** of *client-ssh attributes*

client-ssh-list : [

{ *client-ssh attributes* },

{ *client-ssh attributes* },

...

]

client-ssh attributes

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hostkey

Description Specify private-key (Key Name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

name

Description Client SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	forwarding_errors	8	forwarding_errors
	successful_handshakes	8	successful_handshakes
	failed_handshakes	8	failed_handshakes

2.92.77 slb template client-ssl

Client SSL Template

client-ssl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*client-ssl-list*
Collection URI	/axapi/v3/slb/template/client-ssl
Element Name	client-ssl
Element URI	/axapi/v3/slb/template/client-ssl/{name}
Element Attributes	client-ssl_attributes
Operational Data URI	/axapi/v3/slb/template/client-ssl/{name}/oper
Schema	`client-ssl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssl

client-ssl attributes

Create List

POST

/axapi/v3/slb/template/client-ssl

client-ssl attributes

Get Object

GET

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Get List

GET

/axapi/v3/slb/template/client-ssl

client-ssl-list

Modify Object

POST

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Replace List

PUT

/axapi/v3/slb/template/client-ssl

client-ssl-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

client-ssl-list

client-ssl-list is **JSON List** of *client-ssl attributes*

client-ssl-list : [

{ *client-ssl attributes* },

{ *client-ssl attributes* },

...

]

client-ssl attributes

ad-group-list

Description Forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

auth-sg

Description Specify authorization LDAP service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: auth-sg and authen-name are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

auth-sg-dn

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-sg-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

auth-username

Description Specify the Username Field in the Client Certificate(If multi-fields are specificed, prior one has higher priority)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username-attribute

Description Specify attribute name of username for client SSL authorization

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

authen-name

Description Specify authorization LDAP server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: authen-name and auth-sg are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ldap*

authorization

Description Specify LDAP server for client SSL authorizaiton

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-cert-issuer-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-class-list-name and bypass-cert-issuer-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-issuer-multi-class-list

Type: List

bypass-cert-san-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-class-list-name and bypass-cert-san-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-san-multi-class-list

Type: List

bypass-cert-subject-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-class-list-name and bypass-cert-subject-multi-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

bypass-cert-subject-multi-class-list

Type: List

ca-certs

Type: List

cache-persistence-list-name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

case-insensitive

Description Case insensitive forward proxy bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-revoke-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

cert-unknown-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

certificate-issuer-contains-list

Type: List

certificate-issuer-ends-with-list

Type: List

certificate-issuer-equals-list

Type: List

certificate-issuer-starts-with-list

Type: List

certificate-list

Type: List

Refernce Object: */axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}*

certificate-san-contains-list

Type: List

certificate-san-ends-with-list

Type: List

certificate-san-equals-list

Type: List

certificate-san-starts-with-list

Type: List

certificate-subject-contains-list

Type: List

certificate-subject-ends-with-list

Type: List

certificate-subject-equals-list

Type: List

certificate-subject-starts-with-list

Type: List

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert and chain-cert-shared-str are mutually exclusive

chain-cert-shared-str

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert-shared-str and chain-cert are mutually exclusive

cipher-without-prio-list

Type: List

class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: class-list-name and multi-clist-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

client-auth-case-insensitive

Description Case insensitive forward proxy client auth bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-auth-class-list

Description Forward proxy client auth bypass if SNI string matches class-list (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-contains-list

Type: List

client-auth-ends-with-list

Type: List

client-auth-equals-list

Type: List

client-auth-starts-with-list

Type: List

client-certificate

Description 'Ignore': Don't request client certificate; 'Require': Require client certificate; 'Request': Request client certificate;

Type: string

Supported Values: Ignore, Require, Request

Default: Ignore

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

contains-list

Type: List

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

direct-client-server-auth

Description Let backend server does SSL client authentication directly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv3

Description Reject Client requests for SSL version 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ends-with-list

Type: List

equals-list

Type: List

exception-ad-group-list

Description Exceptions to forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-issuer-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-san-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-certificate-subject-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-sni-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-user-name-list

Description Exceptions to forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

exception-web-category

Description: exception-web-category is a **JSON Block**. Please see below for *exception-web-category*

Type: Object

exception-web-reputation

Description: exception-web-reputation is a **JSON Block**. Please see below for *exception-web-reputation*

Type: Object

expire-hours

Description Certificate lifetime in hours

Type: number

Range: 1-168

forward-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: forward-encrypted and fp-ca-certificate are mutually exclusive

forward-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-passphrase and fp-ca-certificate are mutually exclusive

forward-proxy-alt-sign

Description Forward proxy alternate signing cert and key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-block-message

Description Message to be included on the block page (Message, enclose in quotes if spaces are present)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

forward-proxy-ca-cert

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-certfp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert and fp-ca-certificate-shared are mutually exclusive

forward-proxy-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-keyfp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert and fp-ca-certificate-shared are mutually exclusive

forward-proxy-cert-cache-limit

Description Certificate cache size limit, default is 524288 (set to 0 for unlimited size)

Type: number

Range: 0-2147483647

Default: 524288

forward-proxy-cert-cache-timeout

Description Certificate cache timeout, default is 1 hour (seconds, set to 0 for never timeout)

Type: number

Range: 0-2147483647

Default: 3600

forward-proxy-cert-expiry

Description Adjust certificate expiry relative to the time when it is created on the device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-cert-not-ready-action

Description 'bypass': bypass the connection; 'reset': reset the connection;

Type: string

Supported Values: bypass, reset, intercept

Default: bypass

forward-proxy-cert-revoke-action

Description Action taken if a certificate is irreversibly revoked, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-cert-unknown-action

Description Action taken if a certificate revocation status is unknown, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-crl-disable

Description Disable Certificate Revocation List checking for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-decrypted-dscp

Description Apply a DSCP to decrypted and bypassed traffic (DSCP to apply to decrypted traffic)

Type: number

Range: 1-63

forward-proxy-decrypted-dscp-bypass

Description DSCP to apply to bypassed traffic

Type: number

Range: 1-63

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-esni-action

Description Action taken if receiving encrypted server name indication extension in client hello MSG, bypass the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-failsafe-disable

Description Disable Failsafe for SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hash-persistence-interval

Description Set the time interval to save the hash persistence certs (Interval value, in minutes)

Type: number

Range: 1-720

Default: 30

forward-proxy-log-disable

Description Disable SSL forward proxy logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-no-shared-cipher-action

Description Action taken if handshake fails due to no shared ciper, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-no-sni-action

Description 'intercept': intercept in no SNI case; 'bypass': bypass in no SNI case; 'reset': reset in no SNI case;

Type: string

Supported Values: intercept, bypass, reset

Default: intercept

forward-proxy-ocsp-disable

Description Disable ocsp-stapling for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-require-sni-cert-matched

Description 'no-match-action-inspect': Inspected if not matched; 'no-match-action-drop': Dropped if not matched;

Type: string

Supported Values: no-match-action-inspect, no-match-action-drop

forward-proxy-selfsign-redir

Description Redirect connections to pages with self signed certs to a warning page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-ssl-version

Description TLS/SSL version, default is TLS1.2 (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 31-34

Default: 33

forward-proxy-trusted-ca-lists

Type: List

forward-proxy-verify-cert-fail-action

Description Action taken if certificate verification fails, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fp-alt-cert

Description CA Certificate for forward proxy alternate signing (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

fp-alt-key

Description CA Private Key for forward proxy alternate signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

fp-alt-shared

Description Alternate CA Certificate and Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-ca-certificate

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-certificateforward-proxy-ca-cert, fp-ca-shared, forward-proxy-ca-key, forward-passphrase, forward-encrypted and fp-ca-key-shared are mutually exclusive

fp-ca-certificate-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-certificate-shared forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-chain-cert forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: fp-ca-key-encrypted forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key-passphrase forward-proxy-ca-cert and forward-proxy-ca-key are mutually exclusive

fp-ca-key-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-key-shared and fp-ca-certificate are mutually exclusive

fp-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-shared and fp-ca-certificate are mutually exclusive

fp-cert-ext-aia-ca-issuers

Description CA Issuers (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ca-issuers and fp-cert-ext-aia-ocsp are mutually exclusive

fp-cert-ext-aia-ocsp

Description OCSP (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ocsp and fp-cert-ext-aia-ca-issuers are mutually exclusive

fp-cert-ext-crldp

Description CRL Distribution Point (CRL Distribution Point URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-cert-fetch-autonat

Description 'auto': Configure auto NAT for server certificate fetching;

Type: string

Supported Values: auto

Mutual Exclusion: fp-cert-fetch-autonat and fp-cert-fetch-natpool-name are mutually exclusive

fp-cert-fetch-autonat-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-cert-fetch-natpool-name

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-fetch-natpool-name shared-partition-pool and fp-cert-fetch-autonat are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

fp-cert-fetch-natpool-name-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

fp-cert-fetch-natpool-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-esni-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: bypass

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hsm-type

Description 'thales-embed': Thales embed key; 'thales-hwcrhk': Thales hwcrhk Key;

Type: string

Supported Values: thales-embed, thales-hwcrhk

inspect-certificate-issuer-cl-name

Description Forward proxy Inspect if Certificate issuer matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-certificate-san-cl-name

Description Forward proxy Inspect if Certificate Subject Alternative Name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-certificate-subject-cl-name

Description Forward proxy Inspect if Certificate Subject matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

inspect-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ldap-base-dn-from-cert

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-search-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-class-list

Type: List

name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-anti-replay

Description Disable anti-replay protection for TLS 1.3 early data (0-RTT data)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-shared-cipher-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: drop

non-ssl-bypass-l4session

Description Handle the non-ssl session as L4 for performance optimization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-bypass-service-group

Description Service Group for Bypass non-ssl traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

notafter

Description notAfter date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notafterday

Description Day

Type: number

Range: 1-31

notaftermonth

Description Month

Type: number

Range: 1-12

notafteryear

Description Year

Type: number

Range: 2005-2035

notbefore

Description notBefore date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notbeforeday

Description Day

Type: number

Range: 1-31

notbeforemonth

Description Month

Type: number

Range: 1-12

notbeforeyear

Description Year

Type: number

Range: 2005-2035

ocsp-stapling

Description Config OCSP stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-ca-cert

Description CA certificate

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ocspst-ocsp

Description Specify OCSP Authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-sg

Description Specify authentication service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-sg and ocspst-srvr are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/service-group*

ocspst-sg-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-sg-days ocspst-sg-hours and ocspst-sg-minutes are mutually exclusive

ocspst-sg-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-sg-hours ocspst-sg-days and ocspst-sg-minutes are mutually exclusive

ocspst-sg-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-sg-minutes ocspst-sg-days and ocspst-sg-hours are mutually exclusive

ocspst-sg-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

ocspst-srvr

Description Specify OCSP authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-srvr and ocspst-sg are mutually exclusive

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

ocspst-srvr-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-srvr-days ocspst-srvr-hours and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-srvr-hours ocspst-srvr-days and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-srvr-minutes ocspst-srvr-days and ocspst-srvr-hours are mutually exclusive

ocspst-srvr-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-ca-lists

Type: List

require-web-category

Description Wait for web category to be resolved before taking bypass decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-auto-map

Description Enable automatic mapping of server name indication in Client hello extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-list

Type: List

session-cache-size

Description Session Cache Size (Specify 0 to disable Session ID reuse.)

Type: number

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds)

Type: number

Range: 0-604800

Default: 0

session-ticket-disable

Description Disable client side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-lifetime

Description Session ticket lieftime in seconds from stateless session resumption (Lifetime value in seconds)

Type: number

Range: 0-2147483647

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template template-cipher and cipher-wo-prio are mutually exclusive

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and fp-cert-fetch-natpool-name are mutually exclusive

sni-bypass-enable-log

Description Enable logging when bypass event happens, disabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-expired-cert

Description Bypass when certificate expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-explicit-list

Description Bypass when matched explicit bypass list (Specify class list name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

sni-bypass-missing-cert

Description Bypass when missing cert/key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-enable-log

Description Enable logging of sni-auto-map failures. Disable by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-false-start-disable

Description disable SSL False Start

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

sslv2-bypass-service-group

Description Service Group for Bypass SSLV2 (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

starts-with-list

Type: List

template-cipher

Description Cipher Template (Cipher Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cipher shared-partition-cipher-template and cipher-wo-prio are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cipher*

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cipher*

template-hsm

Description HSM Template (HSM Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/hsm/template*

user-name-list

Description Forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-cert-fail-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection;

Type: string

Supported Values: bypass, continue, drop, block

Default: drop

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 1-34

web-category

Description: web-category is a **JSON Block**. Please see below for *web-category*

Type: Object

web-reputation

Description: web-reputation is a **JSON Block**. Please see below for *web-reputation*

Type: Object

bypass-cert-subject-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-subject-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-multi-class-list-name and bypass-cert-subject-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

certificate-san-contains-list

Specification	
Type	*list*
Block object keys	

certificate-san-contains

Description Forward proxy bypass if Certificate SAN contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

equals-list

Specification	
Type	*list*
Block object keys	

equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

forward-proxy-trusted-ca-lists

Specification	
Type	*list*
Block object keys	

forward-proxy-trusted-ca

Description Forward proxy trusted CA file (CA file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-trusted-ca-shared

Description Trusted CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Specification	
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1

contains-list

Specification	
Type	*list*
Block object keys	

contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ends-with-list

Specification	
Type	*list*
Block object keys	

ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ca-certs

Specification	
Type	*list*
Block object keys	

ca-cert

Description CA Certificate (CA Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp

Description Specify ocsp authentication server(s) for client certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/service-group*

client-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance*

client-auth-contains-list

Specification	
Type	*list*
Block object keys	

client-auth-contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-subject-contains-list

Specification	
Type	*list*
Block object keys	

certificate-subject-contains

Description Forward proxy bypass if Certificate Subject contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

req-ca-lists

Specification	
Type	*list*
Block object keys	

client-cert-req-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-certificate-Request-CA

Description Send CA lists in certificate request (CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

certificate-subject-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-subject-starts

Description Forward proxy bypass if Certificate Subject starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

web-reputation

Specification	
Type	*object*

bypass-low-risk

Description Bypass when reputation score is greater than or equal to 61

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-low-riskbypass-trustworthy, bypass-moderate-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

bypass-malicious

Description Bypass when reputation score is greater than or equal to 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-maliciousbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious and bypass-threshold are mutually exclusive

bypass-moderate-risk

Description Bypass when reputation score is greater than or equal to 41

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-moderate-riskbypass-trustworthy, bypass-low-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

bypass-suspicious

Description Bypass when reputation score is greater than or equal to 21

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-suspiciousbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-malicious and bypass-threshold are mutually exclusive

bypass-threshold

Description Bypass when reputation score is greater than or equal to the customized score (1-100)

Type: number

Range: 1-100

Mutual Exclusion: bypass-thresholdbypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious and bypass-malicious are mutually exclusive

bypass-trustworthy

Description Bypass when reputation score is greater than or equal to 81

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-trustworthybypass-low-risk, bypass-moderate-risk, bypass-suspicious, bypass-malicious and bypass-threshold are mutually exclusive

bypass-cert-issuer-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-issuer-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-multi-class-list-name and bypass-cert-issuer-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

client-auth-equals-list

Specification	
Type	*list*
Block object keys	

client-auth-equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-issuer-equals-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-equals

Description Forward proxy bypass if Certificate issuer equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-san-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-san-ends-with

Description Forward proxy bypass if Certificate SAN ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

crl-certs

Specification	
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

certificate-list

Specification	
Type	*list*
Block object keys	

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key

Description Server Private Key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Server Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

multi-class-list

Specification	
Type	*list*
Block object keys	

multi-clist-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: multi-clist-name and class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

certificate-issuer-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-ends-with

Description Forward proxy bypass if Certificate issuer ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

web-category

Specification	
Type	*object*

abortion

Description Category Abortion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adult-and-pornography

Description Category Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alcohol-and-tobacco

Description Category Alcohol and Tobacco

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auctions

Description Category Auctions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bot-nets

Description Category Bot Nets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

business-and-economy

Description Category Business and Economy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cdns

Description Category CDNs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cheating

Description Category Cheating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-info

Description Category Computer and Internet Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-security

Description Category Computer and Internet Security

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

confirmed-spam-sources

Description Category Confirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cult-and-occult

Description Category Cult and Occult

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dating

Description Category Dating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-sites

Description Category Dead Sites (db Ops only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drugs

Description Category Abused Drugs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-comment

Description Category Dynamic Comment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

educational-institutions

Description Category Educational Institutions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entertainment-and-arts

Description Category Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fashion-and-beauty

Description Category Fashion and Beauty

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

financial-services

Description Category Financial Services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

food-and-dining

Description Category Food and Dining

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gambling

Description Category Gambling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

games

Description Category Games

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

government

Description Category Government

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gross

Description Category Gross

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hacking

Description Category Hacking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hate-and-racism

Description Category Hate and Racism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-and-medicine

Description Category Health and Medicine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

home-and-garden

Description Category Home and Garden

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hunting-and-fishing

Description Category Hunting and Fishing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal

Description Category Illegal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal-pornography

Description Category Illegal join Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

image-and-video-search

Description Category Image and Video Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-communications

Description Category Internet Communications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-portals

Description Category Internet Portals

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-search

Description Category Job Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keyloggers-and-monitoring

Description Category Keyloggers and Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kids

Description Category Kids

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

legal

Description Category Legal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-information

Description Category Local Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malware-sites

Description Category Malware Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

marijuana

Description Category Marijuana

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

military

Description Category Military

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

motor-vehicles

Description Category Motor Vehicles

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

music

Description Category Music

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

news-and-media

Description Category News and Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity

Description Category Nudity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity-artistic

Description Category Nudity join Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

online-greeting-cards

Description Category Online Greeting cards

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-http-proxies

Description Category Open HTTP Proxies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parked-domains

Description Category Parked Domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pay-to-surf

Description Category Pay to Surf

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-to-peer

Description Category Peer to Peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-sites-and-blogs

Description Category Personal sites and Blogs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-storage

Description Category Personal Storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

philosophy-and-politics

Description Category Philosophy and Political Advocacy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

phishing-and-other-fraud

Description Category Phishing and Other Frauds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

private-ip-addresses

Description Category Private IP Addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-avoid-and-anonymizers

Description Category Proxy Avoid and Anonymizers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

questionable

Description Category Questionable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-estate

Description Category Real Estate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recreation-and-hobbies

Description Category Recreation and Hobbies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reference-and-research

Description Category Reference and Research

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

religion

Description Category Religion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-engines

Description Category Search Engines

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sex-education

Description Category Sex Education

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shareware-and-freeware

Description Category Shareware and Freeware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shopping

Description Category Shopping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

social-network

Description Category Social Network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

society

Description Category Society

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spam-urls

Description Category SPAM URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sports

Description Category Sports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spyware-and-adware

Description Category Spyware and Adware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stock-advice-and-tools

Description Category Stock Advice and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

streaming-media

Description Category Streaming Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

swimsuits-and-intimate-apparel

Description Category Swimsuits and Intimate Apparel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

training-and-tools

Description Category Training and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translation

Description Category Translation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

travel

Description Category Travel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uncategorized

Description Uncategorized URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unconfirmed-spam-sources

Description Category Unconfirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

violence

Description Category Violence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weapons

Description Category Weapons

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-advertisements

Description Category Web Advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-based-email

Description Category Web based email

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-hosting-sites

Description Category Web Hosting Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

certificate-san-equals-list

Specification	
Type	*list*
Block object keys	

certificate-san-equals

Description Forward proxy bypass if Certificate SAN equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-issuer-contains-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-contains

Description Forward proxy bypass if Certificate issuer contains another string (Certificate issuer)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-starts-with-list

Specification	
Type	*list*
Block object keys	

client-auth-starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-subject-ends-with-list

Specification	
Type	*list*
Block object keys	

certificate-subject-ends-with

Description Forward proxy bypass if Certificate Subject ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

bypass-cert-san-multi-class-list

Specification	
Type	*list*
Block object keys	

bypass-cert-san-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-multi-class-list-name and bypass-cert-san-class-list-name are mutually exclusive

Refernce Object: */axapi/v3/class-list*

server-name-list

Specification	
Type	*list*
Block object keys	

server-cert

Description Server Certificate associated to SNI (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-cert-regex

Description Server Certificate associated to SNI regex (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-chain

Description Server Certificate Chain associated to SNI (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-chain-regex

Description Server Certificate Chain associated to SNI regex (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-encrypted-regex

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-key

Description Server Private Key associated to SNI (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-key-regex

Description Server Private Key associated to SNI regex (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-name

Description Server name indication in Client hello extension (Server name String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-regex

Description Server name indication in Client hello extension with regular expression (Server name String with regex)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-regex-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-passphrase

Description help Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

server-passphrase-regex

Description help Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

server-shared

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-shared-regex

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-category

Specification	
Type	*object*

exception-abortion

Description Category Abortion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-adult-and-pornography

Description Category Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-alcohol-and-tobacco

Description Category Alcohol and Tobacco

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-auctions

Description Category Auctions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-bot-nets

Description Category Bot Nets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-business-and-economy

Description Category Business and Economy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cdns

Description Category CDNs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cheating

Description Category Cheating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-computer-and-internet-info

Description Category Computer and Internet Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-computer-and-internet-security

Description Category Computer and Internet Security

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-confirmed-spam-sources

Description Category Confirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-cult-and-occult

Description Category Cult and Occult

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dating

Description Category Dating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dead-sites

Description Category Dead Sites (db Ops only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-drugs

Description Category Abused Drugs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-dynamic-comment

Description Category Dynamic Comment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-educational-institutions

Description Category Educational Institutions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-entertainment-and-arts

Description Category Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-fashion-and-beauty

Description Category Fashion and Beauty

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-financial-services

Description Category Financial Services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-food-and-dining

Description Category Food and Dining

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-gambling

Description Category Gambling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-games

Description Category Games

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-government

Description Category Government

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-gross

Description Category Gross

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hacking

Description Category Hacking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hate-and-racism

Description Category Hate and Racism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-health-and-medicine

Description Category Health and Medicine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-home-and-garden

Description Category Home and Garden

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-hunting-and-fishing

Description Category Hunting and Fishing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-illegal

Description Category Illegal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-illegal-pornography

Description Category Illegal join Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-image-and-video-search

Description Category Image and Video Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-internet-communications

Description Category Internet Communications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-internet-portals

Description Category Internet Portals

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-job-search

Description Category Job Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-keyloggers-and-monitoring

Description Category Keyloggers and Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-kids

Description Category Kids

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-legal

Description Category Legal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-local-information

Description Category Local Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-malware-sites

Description Category Malware Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-marijuana

Description Category Marijuana

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-military

Description Category Military

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-motor-vehicles

Description Category Motor Vehicles

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-music

Description Category Music

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-news-and-media

Description Category News and Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-nudity

Description Category Nudity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-nudity-artistic

Description Category Nudity join Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-online-greeting-cards

Description Category Online Greeting cards

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-open-http-proxies

Description Category Open HTTP Proxies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-parked-domains

Description Category Parked Domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-pay-to-surf

Description Category Pay to Surf

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-peer-to-peer

Description Category Peer to Peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-personal-sites-and-blogs

Description Category Personal sites and Blogs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-personal-storage

Description Category Personal Storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-philosophy-and-politics

Description Category Philosophy and Political Advocacy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-phishing-and-other-fraud

Description Category Phishing and Other Frauds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-private-ip-addresses

Description Category Private IP Addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-proxy-avoid-and-anonymizers

Description Category Proxy Avoid and Anonymizers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-questionable

Description Category Questionable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-real-estate

Description Category Real Estate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-recreation-and-hobbies

Description Category Recreation and Hobbies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-reference-and-research

Description Category Reference and Research

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-religion

Description Category Religion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-search-engines

Description Category Search Engines

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-sex-education

Description Category Sex Education

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-shareware-and-freeware

Description Category Shareware and Freeware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-shopping

Description Category Shopping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-social-network

Description Category Social Network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-society

Description Category Society

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-spam-urls

Description Category SPAM URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-sports

Description Category Sports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-spyware-and-adware

Description Category Spyware and Adware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-stock-advice-and-tools

Description Category Stock Advice and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-streaming-media

Description Category Streaming Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-swimsuits-and-intimate-apparel

Description Category Swimsuits and Intimate Apparel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-training-and-tools

Description Category Training and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-translation

Description Category Translation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-travel

Description Category Travel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-uncategorized

Description Uncategorized URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-unconfirmed-spam-sources

Description Category Unconfirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-violence

Description Category Violence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-weapons

Description Category Weapons

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-advertisements

Description Category Web Advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-based-email

Description Category Web based email

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exception-web-hosting-sites

Description Category Web Hosting Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

certificate-issuer-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-issuer-starts

Description Forward proxy bypass if Certificate issuer starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-san-starts-with-list

Specification	
Type	*list*
Block object keys	

certificate-san-starts

Description Forward proxy bypass if Certificate SAN starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-ends-with-list

Specification	
Type	*list*
Block object keys	

client-auth-ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

exception-web-reputation

Specification	
Type	*object*

exception-low-risk

Description Intercept when reputation score is less than or equal to 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-low-riskexception-trustworthy, exception-moderate-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

exception-malicious

Description Intercept when reputation score is less than or equal to 20

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-maliciousexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious and exception-threshold are mutually exclusive

exception-moderate-risk

Description Intercept when reputation score is less than or equal to 60

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-moderate-riskexception-trustworthy, exception-low-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

exception-suspicious

Description Intercept when reputation score is less than or equal to 40

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-suspiciousexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-malicious and exception-threshold are mutually exclusive

exception-threshold

Description Intercept when reputation score is less than or equal to a customized value (1-100)

Type: number

Range: 1-100

Mutual Exclusion: exception-thresholdexception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious and exception-malicious are mutually exclusive

exception-trustworthy

Description Intercept when reputation score is less than or equal to 100

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-trustworthyexception-low-risk, exception-moderate-risk, exception-suspicious, exception-malicious and exception-threshold are mutually exclusive

certificate-subject-equals-list

Specification	
Type	*list*
Block object keys	

certificate-subject-equals

Description Forward proxy bypass if Certificate Subject equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cipher-without-prio-list

Specification	
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA':

TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio template-cipher and shared-partition-cipher-template are mutually exclusive

starts-with-list

Specification	
Type	*list*
Block object keys	

starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	CDNs	8	content delivery networks category
	weapons	8	weapons category
	entertainment-and-arts	8	entertainment and arts category
	SPAM-URLs	8	SPAM URLs category
	streaming-media	8	streaming media category
	social-network	8	social network category
	government	8	government category
	web-advertisements	8	web advertisements category
	fashion-and-beauty	8	fashion and beauty category
	computer-and-internet-security	8	computer and internet security category
	real-estate	8	real estate category
	web-based-email	8	web based email category
	recreation-and-hobbies	8	recreation and hobbies category
	business-and-economy	8	business and economy category
	confirmed-SPAM-sources	8	confirmed SPAM sources category
	philosophy-and-politics	8	philosophy and politics category
	society	8	society category
	motor-vehicles	8	motor vehicles category
	proxy-avoid-and-anonymizers	8	proxy avoid and anonymizers category
	gross	8	gross category
	legal	8	legal category
	bot-nets	8	bot nets category
	religion	8	religion category
	dating	8	dating category
	illegal-pornography	8	illegal join Adult and Pornography
	pay-to-surf	8	pay to surf category
	reference-and-research	8	reference and research category

continues on next page

Table 2.52 – continued from previous page

	Counter	Size	Description
	keyloggers-and-monitoring	8	keyloggers and monitoring category
	kids	8	kids category
	dynamic-comment	8	dynamic comment category
	violence	8	violence category
	sex-education	8	sex education category
	games	8	games category
	auctions	8	auctions category
	military	8	military category
	alcohol-and-tobacco	8	alcohol and tobacco category
	stock-advice-and-tools	8	stock advice and tools category
	news-and-media	8	news and media category
	cult-and-occult	8	cult and occult category
	food-and-dining	8	food and dining category
	cheating	8	cheating category
	illegal	8	illegal category
	local-information	8	local information category
	sports	8	sports category
	private-IP-addresses	8	private IP addresses category
	music	8	music category
	open-HTTP-proxies	8	open HTTP proxies category
	shareware-and-freeware	8	shareware and freeware category
	spyware-and-adware	8	spyware and adware category
	questionable	8	questionable category
	shopping	8	shopping category
	drugs	8	drugs category
	web-hosting-sites	8	web hosting sites category
	malware-sites	8	malware sites category
	online-greeting-cards	8	online greeting cards category
	translation	8	translation category
	job-search	8	job search category

continues on next page

Table 2.52 – continued from previous page

	Counter	Size	Description
	hunting-and-fishing	8	hunting and fishing category
	search-engines	8	search engines category
	educational-institutions	8	educational institutions category
	internet-portals	8	internet portals category
	computer-and-internet-info	8	computer and internet info category
	abortion	8	abortion category
	hacking	8	hacking category
	adult-and-pornography	8	adult and pornography category
	phishing-and-other-fraud	8	phishing and other fraud category
	nudity	8	nudity category
	suspicious	8	Suspicious level(21-40)
	health-and-medicine	8	health and medicine category
	marijuana	8	marijuana category
	home-and-garden	8	home and garden category
	unconfirmed-SPAM-sources	8	unconfirmed SPAM sources category
	personal-storage	8	personal storage category
	financial-services	8	financial services category
	swimsuits-and-intimate-apparel	8	swimsuits and intimate apparel category
	dead-sites	8	dead sites category
	other-category	8	other category
	trustworthy	8	Trustworthy level(81-100)
	uncate-gorised	8	uncategorised
	moderate-risk	8	Moderate-risk level(41-60)
	travel	8	travel category
	malicious	8	Malicious level(1-20)
	low-risk	8	Low-risk level(61-80)
	nudity-artistic	8	nudity join Entertainment and Arts

continues on next page

Table 2.52 – continued from previous page

	Counter	Size	Description
	hate-and-racism	8	hate and racism category
	internet-communications	8	internet communications category
	gambling	8	gambling category
	peer-to-peer	8	peer to peer category
	personal-sites-and-blogs	8	personal sites and blogs category
	image-and-video-search	8	image and video search category
	training-and-tools	8	training and tools category
	parked-domains	8	parked domains category

operational data

	Counter	Size	Description
	cert-status-list		cert-status-list

2.92.78 slb template client-ssl certificate

Server Certificate

certificate Specification

Type	*Collection*
Object Key(s)	*cert*
Collection Name	*certificate-list*
Collection URI	/axapi/v3/slb/template/client-ssl/{name}/certificate
Element Name	certificate
Element URI	/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}
Element Attributes	certificate_attributes
Schema	`certificate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssl/{name}/certificate

certificate attributes

Create List

POST

/axapi/v3/slb/template/client-ssl/{name}/certificate

certificate attributes

Get Object

GET

/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}

certificate attributes

Get List

GET

/axapi/v3/slb/template/client-ssl/{name}/certificate

certificate-list

Modify Object

POST

/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}

certificate attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}

certificate attributes

Replace List

PUT

/axapi/v3/slb/template/client-ssl/{name}/certificate

certificate-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}

certificate attributes

certificate-list

certificate-list is **JSON List** of *certificate attributes*

```
certificate-list : [
        { certificate attributes },
        { certificate attributes },
        ...
    ]
```

certificate attributes

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key

Description Server Private Key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Server Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.79 slb template connection-reuse

Connection Reuse

connection-reuse Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*connection-reuse-list*
Collection URI	/axapi/v3/slb/template/connection-reuse
Element Name	connection-reuse
Element URI	/axapi/v3/slb/template/connection-reuse/{name}
Element Attributes	connection-reuse_attributes
Schema	`connection-reuse schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/connection-reuse

connection-reuse attributes

```
POST /axapi/v3/slb/template/connection-reuse/
Payload:
{
    "connection-reuse": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/connection-reuse

connection-reuse attributes

Get Object

GET

/axapi/v3/slb/template/connection-reuse/{name}

connection-reuse attributes

```
GET /axapi/v3/slb/template/connection-reuse/a
Reponse:
{
    "connection-reuse": {
        "name": "a",
        "limit-per-server": 1000,
        "timeout": 2400,
        "keep-alive-conn": 0,
        "uuid": "847b0784-611f-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/connection-reuse/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/connection-reuse

connection-reuse-list

Modify Object

POST

/axapi/v3/slb/template/connection-reuse/{name}

connection-reuse attributes

Replace Object

PUT

/axapi/v3/slb/template/connection-reuse/{name}

connection-reuse attributes

```
PUT /axapi/v3/slb/template/connection-reuse/a
Payload:
{
    "connection-reuse": {
        "name": "a",
        "user-tag": "abcd",
        "limit-per-server": 19
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/connection-reuse

connection-reuse-list

Delete Object

DELETE

/axapi/v3/slb/template/connection-reuse/{name}

connection-reuse attributes

```
DELETE /axapi/v3/slb/template/connection-reuse/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

connection-reuse-list

connection-reuse-list is **JSON List** of *connection-reuse attributes*

connection-reuse-list : [

{ *connection-reuse attributes* },

{ *connection-reuse attributes* },

...

]

connection-reuse attributes

keep-alive-conn

Description Keep a number of server connections open

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit-per-server

Description Max Server Connections allowed (Connections per Server Port (default 1000))

Type: number

Range: 0-65535

Default: 1000

name

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

num-conn-per-port

Description Connections per Server Port (default 100)

Type: number

Range: 1-1024

Default: 100

preopen

Description Preopen server connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout in seconds. Multiple of 60 (def 2400)

Type: number

Range: 60-3600

Default: 2400

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.80 slb template dblb

DBLB template

dblb Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*dblb-list*
Collection URI	/axapi/v3/slb/template/dblb
Element Name	dblb
Element URI	/axapi/v3/slb/template/dblb/{name}
Element Attributes	dblb_attributes
Schema	`dblb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dblb

dblb attributes

```
POST /axapi/v3/slb/template/dblb/
Payload:
{
    "dblb": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/dblb

dblb attributes

Get Object

GET

/axapi/v3/slb/template/dblb/{name}

dblb attributes

```
GET /axapi/v3/slb/template/dblb/a
Reponse:
{
    "dblb": {
        "name": "a",
        "uuid": "a34d05d6-611f-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/dblb/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/dblb

dblb-list

Modify Object

POST

/axapi/v3/slb/template/dblb/{name}

dblb attributes

Replace Object

PUT

/axapi/v3/slb/template/dblb/{name}

dblb attributes

```
PUT /axapi/v3/slb/template/dblb/a
Payload:
{
    "dblb": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/dblb

dblb-list

Delete Object

DELETE

/axapi/v3/slb/template/dblb/{name}

dblb attributes

```
DELETE /axapi/v3/slb/template/dblb/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dblb-list

dblb-list is **JSON List** of *dblb attributes*

dblb-list : [

{ *dblb attributes* },

{ *dblb attributes* },

...

]

dblb attributes

calc-sha1

Description: calc-sha1 is a **JSON Block**. Please see below for *calc-sha1*

Type: Object

Refernce Object: */axapi/v3/slb/template/dblb/{name}/calc-sha1*

class-list

Description Specify user/password string class list (Class list name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description DBLB template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-version

Description 'MSSQL2008': MSSQL server 2008 or 2008 R2; 'MSSQL2012': MSSQL server 2012; 'MySQL': MySQL server (any version);

Type: string

Supported Values: MSSQL2008, MSSQL2012, MySQL

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

calc-sha1

Specification	
Type	*object*

sha1-value

Description Cleartext password

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.92.81 slb template diameter

diameter template

diameter Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*diameter-list*
Collection URI	/axapi/v3/slb/template/diameter
Element Name	diameter
Element URI	/axapi/v3/slb/template/diameter/{name}
Element Attributes	diameter_attributes
Schema	`diameter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/diameter

diameter attributes

```
POST /axapi/v3/slb/template/diameter/
Payload:
{
    "diameter": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/diameter

diameter attributes

Get Object

GET

/axapi/v3/slb/template/diameter/{name}

diameter attributes

```
GET /axapi/v3/slb/template/diameter/a
Reponse:
{
    "diameter": {
        "name": "a",
        "customize-cea": 0,
        "dwr-time": 100,
        "idle-timeout": 5,
        "multiple-origin-host": 0,
        "vendor-id": 0,
        "session-age": 10,
        "dwr-up-retry": 3,
        "terminate-on-cca-t": 0,
        "forward-unknown-session-id": 0,
        "forward-to-latest-server": 0,
        "load-balance-on-session-id": 0,
        "uuid": "cb314030-611f-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/diameter/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/diameter

diameter-list

Modify Object

POST

/axapi/v3/slb/template/diameter/{name}

diameter attributes

Replace Object

PUT

/axapi/v3/slb/template/diameter/{name}

diameter attributes

```
PUT /axapi/v3/slb/template/diameter/a
Payload:
{
    "diameter": {
        "name": "a",
```

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```
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/diameter

diameter-list

Delete Object

DELETE

/axapi/v3/slb/template/diameter/{name}

diameter attributes

```
DELETE /axapi/v3/slb/template/diameter/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

diameter-list

diameter-list is **JSON List** of *diameter attributes*

diameter-list : [

{ *diameter attributes* },

{ *diameter attributes* },

...

]

diameter attributes

avp-code

Description avp code

Type: number

Range: 1-2147483647

avp-list

Type: List

avp-string

Description pattern to be matched in the avp string name, max length 127 bytes

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

customize-cea

Description customizing cea response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dwr-time

Description dwr health-check timer interval (in 100 milli second unit, default is 100, 0 means unset this option)

Type: number

Range: 0-2147483647

Default: 100

dwr-up-retry

Description number of successful dwr health-check before declaring target up

Type: number

Range: 1-7

Default: 3

forward-to-latest-server

Description Forward client message to the latest server that sends message with the same session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-unknown-session-id

Description Forward server message even it has unknown session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description user sesison idle timeout (in minutes, default is 5)

Type: number

Range: 1-65535

Default: 5

load-balance-on-session-id

Description Load balance based on the session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-code-list

Type: List

multiple-origin-host

Description allowing multiple origin-host to a single server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description diameter template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

origin-host

Description: origin-host is a **JSON Block**. Please see below for *origin-host*

Type: Object

Refernce Object: */axapi/v3/slb/template/diameter/{name}/origin-host*

origin-realm

Description origin-realm name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

product-name

Description product name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group-name

Description service group name, this is the service group that the message needs to be copied to

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

session-age

Description user session age allowed (default 10), this is not idle-time (in minutes)

Type: number

Range: 1-65535

Default: 10

terminate-on-cca-t

Description remove diameter session when receiving CCA-T message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vendor-id

Description vendor-id avp (Vendon Id)

Type: number

Range: 0-2147483647

Default: 0

message-code-list

Specification	
Type	*list*
Block object keys	

message-code

Description

Type: number

Range: 1-2147483647

avp-list

Specification	
Type	*list*
Block object keys	

avp

Description customize avps for cer to the server (avp number)

Type: number

Range: 0-2147483647

int32

Description 32 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int32 int64 and string are mutually exclusive

int64

Description 64 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int64 int32 and string are mutually exclusive

mandatory

Description mandatory avp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

string

Description String (string name, max length 127 bytes)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: string int32 and int64 are mutually exclusive

origin-host

Specification	
Type	*object*

origin-host-name

Description origin-host name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.82 slb template diameter origin-host

origin host name avp

origin-host Specification

Type	*Configuration Resource*
Element Name	origin-host
Element URI	/axapi/v3/slb/template/diameter/{name}/origin-host
Element Attributes	origin-host_attributes
Schema	`origin-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

Get Object

GET

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

Modify Object

POST

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

Replace Object

PUT

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

Delete Object

DELETE

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

origin-host attributes

origin-host-name

Description origin-host name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.83 slb template dns

DNS template

dns Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*dns-list*
Collection URI	/axapi/v3/slb/template/dns
Element Name	dns
Element URI	/axapi/v3/slb/template/dns/{name}
Element Attributes	dns_attributes
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns

dns attributes

```
POST /axapi/v3/slb/template/dns/
Payload:
{
    "dns": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/dns

dns attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}

dns attributes

```
GET /axapi/v3/slb/template/dns/a
Reponse:
{
    "dns": {
        "name": "a",
```

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```
        "default-policy": "nocache",
        "remove-aa-flag": 0,
        "disable-dns-template": 0,
        "drop": 0,
        "max-cache-entry-size": 1024,
        "enable-cache-sharing": 0,
        "remove-padding-to-server": 0,
        "remove-edns-csubnet-to-server": 0,
        "redirect-to-tcp-port": 0,
        "query-id-switch": 0,
        "disable-rpz-attach-soa": 0,
        "uuid": "28cbb7d4-6120-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/dns/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/dns

dns-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}

dns attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}

dns attributes

```
PUT /axapi/v3/slb/template/dns/a
Payload:
{
    "dns": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/dns

dns-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}

dns attributes

```
DELETE /axapi/v3/slb/template/dns/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dns-list

dns-list is **JSON List** of *dns attributes*

dns-list : [

{ *dns attributes* },

{ *dns attributes* },

...

]

dns attributes

add-padding-to-client

Description 'block-length': Block-Length Padding; 'random-block-length': Random-Block-Length Padding;

Type: string

Supported Values: block-length, random-block-length

cache-record-serving-policy

Description 'global': Follow global cofiguration (Default); 'no-change': No change in record order; 'round-robin': Round-robin;

Type: string

Supported Values: global, no-change, round-robin

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-rpz-attach-soa

Description Disable attaching SOA due to RPZ

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging

Description dns logging template (DNS Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dns-logging*

dnssec-service-group

Description Use different service group if DNSSEC DO bit set (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

enable-cache-sharing

Description Enable DNS cache sharing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward to service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

local-dns-resolution

Description: local-dns-resolution is a **JSON Block**. Please see below for *local-dns-resolution*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/local-dns-resolution*

max-cache-entry-size

Description Define maximum cache entry size (Maximum cache entry size per VIP)

Type: number

Range: 1-4096

Default: 1024

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

max-query-length

Description Define Maximum DNS Query Length, default is unlimited (Specify Maximum Length)

Type: number

Range: 1-4095

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Period in minutes

Type: number

Range: 1-10000

query-class-filter

Description: query-class-filter is a **JSON Block**. Please see below for *query-class-filter*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/query-class-filter*

query-id-switch

Description Use DNS query ID to create sesion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-type-filter

Description: query-type-filter is a **JSON Block**. Please see below for *query-type-filter*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/query-type-filter*

recursive-dns-resolution

Description: recursive-dns-resolution is a **JSON Block**. Please see below for *recursive-dns-resolution*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution*

redirect-to-tcp-port

Description Direct the client to retry with TCP for DNS UDP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-aa-flag

Description Make answers created from cache non-authoritative

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-edns-csubnet-to-server

Description Remove EDNS(0) client subnet from client queries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-padding-to-server

Description Remove EDNS(0) padding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-rate-limiting

Description: response-rate-limiting is a **JSON Block**. Please see below for *response-rate-limiting*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting*

rpz-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}*

udp-retransmit

Description: udp-retransmit is a **JSON Block**. Please see below for *udp-retransmit*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/udp-retransmit*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

response-rate-limiting

Specification	
Type	*object*

action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-response-rate

Description Maximum allowed request rate for the filter. This should match average traffic. (default 10 per seconds)

Type: number

Range: 1-1000

Default: 10

response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

rrl-class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}*

slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

response-rate-limiting_rrl-class-list-list

Specification	
Type	*list*
Block object keys	

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

response-rate-limiting_rrl-class-list-list_lid-list

Specification	
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz-list

Specification	
Type	*list*
Block object keys	

logging

Description: logging is a **JSON Block**. Please see below for *rpz-list_logging*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging*

name

Description Specify a Response Policy Zone name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-id

Description sequential id of RPZ

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz-list_logging

Specification	
Type	*object*

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz-list_logging_rpz-action

Specification	
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

recursive-dns-resolution

Specification	
Type	*object*

host-list-cfg

Type: List

ipv4-nat-pool

Description IPv4 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

ipv6-nat-pool

Description IPv6 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/nat/pool*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 30

Type: number

Range: 1-62

Default: 30

retries-per-level

Description Number of DNS query retries at each server level before closing client connection, default 6

Type: number

Range: 1-6

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

recursive-dns-resolution_host-list-cfg

Specification	
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (ac type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

class-list

Specification	
Type	*object*

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list_dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

udp-retransmit

Specification	
Type	*object*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-class-filter

Specification	
Type	*object*

query-class

Type: List

query-class-action

Description 'allow': Allow only certain DNS query classes; 'deny': Deny only certain DNS query classes;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-class-filter_query-class

Specification	
Type	*list*
Block object keys	

num-query-class

Description Other query class value

Type: number

Range: 1-65535

str-query-class

Description 'INTERNET': INTERNET query class; 'CHAOS': CHAOS query class; 'HESIOD': HESIOD query class; 'NONE': NONE query class; 'ANY': ANY query class;

Type: string

Supported Values: INTERNET, CHAOS, HESIOD, NONE, ANY

local-dns-resolution

Specification	
Type	*object*

host-list-cfg

Type: List

local-resolver-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-dns-resolution_host-list-cfg

Specification	
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (ac type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

local-dns-resolution_local-resolver-cfg

Specification	
Type	*list*
Block object keys	

local-resolver

Description Local dns servers (address)

Type: string

Format: ipv4-address

query-type-filter

Specification	
Type	*object*

query-type

Type: List

query-type-action

Description 'allow': Allow only certain DNS query types; 'deny': Deny only certain DNS query types;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-type-filter_query-type

Specification	
Type	*list*
Block object keys	

num-query-type

Description Other record type value

Type: number

Range: 1-65535

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

2.92.84 slb template dns class-list

Classification list

class-list Specification

Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/slb/template/dns/{name}/class-list
Element Attributes	class-list_attributes
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

```
POST /axapi/v3/slb/template/dns/a/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

```
GET /axapi/v3/slb/template/dns/a/class-list
Reponse:
{
    "class-list": {
        "name": "a",
        "uuid": "892eb806-6120-11d9-93cf-001fa00680a0",
        "a10-url": "/axapi/v3/slb/template/dns/a/class-list"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

```
PUT /axapi/v3/slb/template/dns/a/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

```
DELETE /axapi/v3/slb/template/dns/a/class-list
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

class-list attributes

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

2.92.85 slb template dns class-list lid

Limit ID

lid Specification

Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/class-list/lid
Element Name	lid
Element URI	/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}
Element Attributes	lid_attributes
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/class-list/lid

lid attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/class-list/lid

lid attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/class-list/lid

lid-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/class-list/lid

lid-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

...

]

lid attributes

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns

Specification	
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

2.92.86 slb template dns local-dns-resolution

local DNS resolver configuration

local-dns-resolution Specification

Type	*Configuration Resource*
Element Name	local-dns-resolution
Element URI	/axapi/v3/slb/template/dns/{name}/local-dns-resolution
Element Attributes	local-dns-resolution_attributes
Schema	`local-dns-resolution schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

local-dns-resolution attributes

host-list-cfg

Type: List

local-resolver-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list-cfg

Specification	
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (ac type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

local-resolver-cfg

Specification	
Type	*list*
Block object keys	

local-resolver

Description Local dns servers (address)

Type: string

Format: ipv4-address

2.92.87 slb template dns-logging

DNS Logging template

dns-logging Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*dns-logging-list*
Collection URI	/axapi/v3/slb/template/dns-logging
Element Name	dns-logging
Element URI	/axapi/v3/slb/template/dns-logging/{name}
Element Attributes	dns-logging_attributes
Schema	`dns-logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns-logging

dns-logging attributes

Create List

POST

/axapi/v3/slb/template/dns-logging

dns-logging attributes

Get Object

GET

/axapi/v3/slb/template/dns-logging/{name}

dns-logging attributes

Get List

GET

/axapi/v3/slb/template/dns-logging

dns-logging-list

Modify Object

POST

/axapi/v3/slb/template/dns-logging/{name}

dns-logging attributes

Replace Object

PUT

/axapi/v3/slb/template/dns-logging/{name}

dns-logging attributes

Replace List

PUT

/axapi/v3/slb/template/dns-logging

dns-logging-list

Delete Object

DELETE

/axapi/v3/slb/template/dns-logging/{name}

dns-logging attributes

dns-logging-list

dns-logging-list is **JSON List** of *dns-logging attributes*

dns-logging-list : [

{ *dns-logging attributes* },

{ *dns-logging attributes* },

...

]

dns-logging attributes

disable

Description Disable DNS Logging template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging-protocol

Description 'both': Log DNS over tcp and udp; 'tcp': Log DNS over tcp; 'udp': Log DNS over udp;

Type: string

Supported Values: both, tcp, udp

dns-logging-request-section

Description 'all': Log DNS header and question section; 'header': Log DNS header information; 'question': Log DNS question section;

Type: string

Supported Values: all, header, question

dns-logging-type

Description 'query': DNS Query Logging;

Type: string

Supported Values: query

name

Description DNS Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.88 slb template dns query-class-filter

DNS query class filter list

query-class-filter Specification

Type	*Configuration Resource*
Element Name	query-class-filter
Element URI	/axapi/v3/slb/template/dns/{name}/query-class-filter
Element Attributes	query-class-filter_attributes
Schema	`query-class-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

query-class-filter attributes

query-class

Type: List

query-class-action

Description 'allow': Allow only certain DNS query classes; 'deny': Deny only certain DNS query classes;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-class

Specification	
Type	*list*
Block object keys	

num-query-class

Description Other query class value

Type: number

Range: 1-65535

str-query-class

Description 'INTERNET': INTERNET query class; 'CHAOS': CHAOS query class; 'HESIOD': HESIOD query class; 'NONE': NONE query class; 'ANY': ANY query class;

Type: string

Supported Values: INTERNET, CHAOS, HESIOD, NONE, ANY

2.92.89 slb template dns query-type-filter

DNS query type filter list

query-type-filter Specification

Type	*Configuration Resource*
Element Name	query-type-filter
Element URI	/axapi/v3/slb/template/dns/{name}/query-type-filter
Element Attributes	query-type-filter_attributes
Schema	`query-type-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

query-type-filter attributes

query-type

Type: List

query-type-action

Description 'allow': Allow only certain DNS query types; 'deny': Deny only certain DNS query types;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-type

Specification	
Type	*list*
Block object keys	

num-query-type

Description Other record type value

Type: number

Range: 1-65535

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

2.92.90 slb template dns recursive-dns-resolution

Recursive DNS resolver configuration

recursive-dns-resolution Specification

Type	*Configuration Resource*
Element Name	recursive-dns-resolution
Element URI	/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution
Element Attributes	recursive-dns-resolution_attributes
Schema	`recursive-dns-resolution schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

recursive-dns-resolution attributes

host-list-cfg

Type: List

ipv4-nat-pool

Description IPv4 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

ipv6-nat-pool

Description IPv6 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/nat/pool*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 30

Type: number

Range: 1-62

Default: 30

retries-per-level

Description Number of DNS query retries at each server level before closing client connection, default 6

Type: number

Range: 1-6

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list-cfg

Specification	
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (ac type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

2.92.91 slb template dns response-rate-limiting

DNS Response Rate Limiting

response-rate-limiting Specification

Type	*Configuration Resource*
Element Name	response-rate-limiting
Element URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting
Element Attributes	response-rate-limiting_attributes
Schema	`response-rate-limiting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

response-rate-limiting attributes

action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-response-rate

Description Maximum allowed request rate for the filter. This should match average traffic. (default 20 per two seconds)

Type: number

Range: 1-1000

Default: 10

response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

rrl-class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}*

slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

rrl-class-list-list

Specification	
Type	*list*
Block object keys	

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rrl-class-list-list_lid-list

Specification	
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.92 slb template dns response-rate-limiting rrl-class-list

DNS Response Rate Limiting Class-List

rrl-class-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*rrl-class-list-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list
Element Name	rrl-class-list
Element URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}
Element Attributes	rrl-class-list_attributes
Schema	`rrl-class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list

rrl-class-list attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list

rrl-class-list attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}

rrl-class-list attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list

rrl-class-list-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}

rrl-class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}

rrl-class-list attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list

rrl-class-list-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}

rrl-class-list attributes

rrl-class-list-list

rrl-class-list-list is **JSON List** of *rrl-class-list attributes*

rrl-class-list-list : [

{ *rrl-class-list attributes* },

{ *rrl-class-list attributes* },

...

]

rrl-class-list attributes

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.93 slb template dns response-rate-limiting rrl-class-list lid

DNS Response Rate Limiting Class-List Lid

lid Specification

Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid
Element Name	lid
Element URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}
Element Attributes	lid_attributes
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid

lid attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid

lid attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid

lid-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid

lid-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

...

]

lid attributes

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.94 slb template dns rpz

Response Policy Zone File

rpz Specification

Type	*Collection*
Object Key(s)	*seq-id*
Collection Name	*rpz-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/rpz
Element Name	rpz
Element URI	/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}
Element Attributes	rpz_attributes
Schema	`rpz schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/rpz

rpz attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/rpz

rpz attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}

rpz attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/rpz

rpz-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}

rpz attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}

rpz attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/rpz

rpz-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}

rpz attributes

rpz-list

rpz-list is **JSON List** of *rpz attributes*

rpz-list : [

{ *rpz attributes* },

{ *rpz attributes* },

...

]

rpz attributes

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

Refernce Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging*

name

Description Specify a Response Policy Zone name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-id

Description sequential id of RPZ

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging

Specification	
Type	*object*

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging_rpz-action

Specification	
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

2.92.95 slb template dns rpz logging

Log RPZ triggered action

logging Specification

Type	*Configuration Resource*
Element Name	logging
Element URI	/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging
Element Attributes	logging_attributes
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

logging attributes

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz-action

Specification	
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

2.92.96 slb template dns udp-retransmit

DNS backend UDP retransmit policy

udp-retransmit Specification

Type	*Configuration Resource*
Element Name	udp-retransmit
Element URI	/axapi/v3/slb/template/dns/{name}/udp-retransmit
Element Attributes	udp-retransmit_attributes
Schema	`udp-retransmit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

udp-retransmit attributes

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.97 slb template doh

DNS over HTTP(s) template

doh Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*doh-list*
Collection URI	/axapi/v3/slb/template/doh
Element Name	doh
Element URI	/axapi/v3/slb/template/doh/{name}
Element Attributes	doh_attributes
Schema	`doh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/doh

doh attributes

Create List

POST

/axapi/v3/slb/template/doh

doh attributes

Get Object

GET

/axapi/v3/slb/template/doh/{name}

doh attributes

Get List

GET

/axapi/v3/slb/template/doh

doh-list

Modify Object

POST

/axapi/v3/slb/template/doh/{name}

doh attributes

Replace Object

PUT

/axapi/v3/slb/template/doh/{name}

doh attributes

Replace List

PUT

/axapi/v3/slb/template/doh

doh-list

Delete Object

DELETE

/axapi/v3/slb/template/doh/{name}

doh attributes

doh-list

doh-list is **JSON List** of *doh attributes*

doh-list : [

{ *doh attributes* },

{ *doh attributes* },

...

]

doh attributes

conn-reuse

Description 'enable': Enable Connection Reuse; 'disable': Disable Connection-Reuse (Default);

Type: string

Supported Values: enable, disable

Default: disable

dns-retry

Description: dns-retry is a **JSON Block**. Please see below for *dns-retry*

Type: Object

Refernce Object: */axapi/v3/slb/template/doh/{name}/dns-retry*

forwarder

Description: forwarder is a **JSON Block**. Please see below for *forwarder*

Type: Object

Refernce Object: */axapi/v3/slb/template/doh/{name}/forwarder*

name

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-dns-request

Description 'allow': Forward Non-DoH request to http server bound to vport; 'reject': Reject Non-DoH requests with HTTP 400 Bad Request (Default);

Type: string

Supported Values: allow, reject

Default: reject

reject-status-code

Description '400': Status Code 400 BAD Request (Default); '500': Status Code 500 Internal Server Error; '501': Status Code 501 Not Implemented;

Type: string

Supported Values: 400, 500, 501

Default: 400

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

snat-pool

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

source-nat

Description 'auto': Perform Source NAT Auto for service-group(Default) (Not supported with forwarding-ip); 'disable': Don't perform source-nat for server side DNS queries; 'pool': Perform Source NAT with specific pool;

Type: string

Supported Values: auto, disable, pool

Default: auto

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forwarder

Specification	
Type	*object*

forwarding-ipv4

Description SLB VIP IPv4 address to forward DOH query (IP address)

Type: string

Format: ipv4-address

Mutual Exclusion: forwarding-ipv4forwarding-ipv6, tcp-service-group and udp-service-group are mutually exclusive

forwarding-ipv6

Description SLB VIP IPv6 address to forward DOH query (IP address)

Type: string

Format: ipv6-address

Mutual Exclusion: forwarding-ipv6forwarding-ipv4, tcp-service-group and udp-service-group are mutually exclusive

tcp-service-group

Description Bind a TCP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-service-group forwarding-ipv4 and forwarding-ipv6 are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

udp-service-group

Description Bind a UDP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: udp-service-group forwarding-ipv4 and forwarding-ipv6 are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v4-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v4-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

v6-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v6-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

dns-retry

Specification	
Type	*object*

after-timeout

Description 'close': Close client side connection; 'retry-with-tcp': Retry DNS query to server using TCP (If UDP was tried initially. Close after.);

Type: string

Supported Values: close, retry-with-tcp

Default: close

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.98 slb template doh dns-retry

DNS over HTTP(s) template retry policy

dns-retry Specification

Type	*Configuration Resource*
Element Name	dns-retry
Element URI	/axapi/v3/slb/template/doh/{name}/dns-retry
Element Attributes	dns-retry_attributes
Schema	`dns-retry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

Get Object

GET

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

Modify Object

POST

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

Replace Object

PUT

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

Delete Object

DELETE

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

dns-retry attributes

after-timeout

Description 'close': Close client side connection; 'retry-with-tcp': Retry DNS query to server using TCP (If UDP was tried initially. Close after.);

Type: string

Supported Values: close, retry-with-tcp

Default: close

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.99 slb template doh forwarder

DNS over HTTP(s) template forwarding policy

forwarder Specification

Type	*Configuration Resource*
Element Name	forwarder
Element URI	/axapi/v3/slb/template/doh/{name}/forwarder
Element Attributes	forwarder_attributes
Schema	`forwarder schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

Get Object

GET

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

Modify Object

POST

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

Replace Object

PUT

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

Delete Object

DELETE

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

forwarder attributes

forwarding-ipv4

Description SLB VIP IPv4 address to forward DOH query (IP address)

Type: string

Format: ipv4-address

Mutual Exclusion: forwarding-ipv4forwarding-ipv6, tcp-service-group and udp-service-group are mutually exclusive

forwarding-ipv6

Description SLB VIP IPv6 address to forward DOH query (IP address)

Type: string

Format: ipv6-address

Mutual Exclusion: forwarding-ipv6forwarding-ipv4, tcp-service-group and udp-service-group are mutually exclusive

tcp-service-group

Description Bind a TCP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-service-group forwarding-ipv4 and forwarding-ipv6 are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

udp-service-group

Description Bind a UDP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: udp-service-group forwarding-ipv4 and forwarding-ipv6 are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v4-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v4-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

v6-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v6-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

2.92.100 slb template dynamic-service

Dynamic service template

dynamic-service Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*dynamic-service-list*
Collection URI	/axapi/v3/slb/template/dynamic-service
Element Name	dynamic-service
Element URI	/axapi/v3/slb/template/dynamic-service/{name}
Element Attributes	dynamic-service_attributes
Schema	`dynamic-service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dynamic-service

dynamic-service attributes

```
POST /axapi/v3/slb/template/dynamic-service/
Payload:
{
    "dynamic-service": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/dynamic-service

dynamic-service attributes

Get Object

GET

/axapi/v3/slb/template/dynamic-service/{name}

dynamic-service attributes

```
GET /axapi/v3/slb/template/dynamic-service/a
Reponse:
{
    "dynamic-service": {
        "name": "a",
        "uuid": "22217f0c-6122-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/dynamic-service/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/dynamic-service

dynamic-service-list

Modify Object

POST

/axapi/v3/slb/template/dynamic-service/{name}

dynamic-service attributes

Replace Object

PUT

/axapi/v3/slb/template/dynamic-service/{name}

dynamic-service attributes

```
PUT /axapi/v3/slb/template/dynamic-service/a
Payload:
{
    "dynamic-service": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/dynamic-service

dynamic-service-list

Delete Object

DELETE

/axapi/v3/slb/template/dynamic-service/{name}

dynamic-service attributes

```
DELETE /axapi/v3/slb/template/dynamic-service/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

dynamic-service-list

dynamic-service-list is **JSON List** of *dynamic-service attributes*

dynamic-service-list : [

{ *dynamic-service attributes* },

{ *dynamic-service attributes* },

...

]

dynamic-service attributes

dns-server

Type: List

name

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-server

Specification	
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

2.92.101 slb template external-service

External service template

external-service Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*external-service-list*
Collection URI	/axapi/v3/slb/template/external-service
Element Name	external-service
Element URI	/axapi/v3/slb/template/external-service/{name}
Element Attributes	external-service_attributes
Schema	`external-service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/external-service

external-service attributes

```
POST /axapi/v3/slb/template/external-service/
Payload:
{
    "external-service": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/external-service

external-service attributes

Get Object

GET

/axapi/v3/slb/template/external-service/{name}

external-service attributes

```
GET /axapi/v3/slb/template/external-service/a
Reponse:
{
    "external-service": {
        "name": "a",
        "failure-action": "continue",
        "timeout": 5,
        "action": "continue",
        "type": "url-filter",
        "uuid": "3a226f80-6122-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/external-service/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/external-service

external-service-list

Modify Object

POST

/axapi/v3/slb/template/external-service/{name}

external-service attributes

Replace Object

PUT

/axapi/v3/slb/template/external-service/{name}

external-service attributes

```
PUT /axapi/v3/slb/template/external-service/a
Payload:
{
    "external-service": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/external-service

external-service-list

Delete Object

DELETE

/axapi/v3/slb/template/external-service/{name}

external-service attributes

```
DELETE /axapi/v3/slb/template/external-service/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

external-service-list

external-service-list is **JSON List** of *external-service attributes*

external-service-list : [

{ *external-service attributes* },

{ *external-service attributes* },

...

]

external-service attributes

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

name

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-forward-list

Type: List

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

type

Description 'skyfire-icap': Skyfire ICAP service; 'url-filter': URL filtering service;

Type: string

Supported Values: skyfire-icap, url-filter

Default: url-filter

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass external service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

request-header-forward-list

Specification	
Type	*list*
Block object keys	

request-header-forward

Description Request header to be forwarded to external service (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.92.102 slb template fix

FIX template

fix Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*fix-list*
Collection URI	/axapi/v3/slb/template/fix
Element Name	fix
Element URI	/axapi/v3/slb/template/fix/{name}
Element Attributes	fix_attributes
Schema	`fix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/fix

fix attributes

```
POST /axapi/v3/slb/template/fix/
Payload:
{
    "fix": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/fix

fix attributes

Get Object

GET

/axapi/v3/slb/template/fix/{name}

fix attributes

```
GET /axapi/v3/slb/template/fix/a
Reponse:
{
    "fix": {
        "name": "a",
        "insert-client-ip": 0,
        "uuid": "714b5df0-6122-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/fix/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/fix

fix-list

Modify Object

POST

/axapi/v3/slb/template/fix/{name}

fix attributes

Replace Object

PUT

/axapi/v3/slb/template/fix/{name}

fix attributes

```
PUT /axapi/v3/slb/template/fix/a
Payload:
{
    "fix": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/fix

fix-list

Delete Object

DELETE

/axapi/v3/slb/template/fix/{name}

fix attributes

```
DELETE /axapi/v3/slb/template/fix/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

fix-list

fix-list is **JSON List** of *fix attributes*

fix-list : [

{ *fix attributes* },

{ *fix attributes* },

...

]

fix attributes

insert-client-ip

Description Insert client ip to tag 11447

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tag-switching

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tag-switching

Specification	
Type	*list*
Block object keys	

equals

Description Equals (Tag String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

switching-type

Description 'sender-comp-id': Select service group based on SenderCompID; 'target-comp-id': Select service group based on TargetCompID;

Type: string

Supported Values: sender-comp-id, target-comp-id

2.92.103 slb template ftp

FTP template

ftp Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*ftp-list*
Collection URI	/axapi/v3/slb/template/ftp
Element Name	ftp
Element URI	/axapi/v3/slb/template/ftp/{name}
Element Attributes	ftp_attributes
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/ftp

ftp attributes

```
POST /axapi/v3/slb/template/ftp/
Payload:
{
    "ftp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/ftp

ftp attributes

Get Object

GET

/axapi/v3/slb/template/ftp/{name}

ftp attributes

```
GET /axapi/v3/slb/template/ftp/a
Reponse:
{
    "ftp": {
        "name": "a",
        "active-mode-port": 0,
        "uuid": "88ce20ca-6122-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/ftp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/ftp

ftp-list

Modify Object

POST

/axapi/v3/slb/template/ftp/{name}

ftp attributes

Replace Object

PUT

/axapi/v3/slb/template/ftp/{name}

ftp attributes

```
PUT /axapi/v3/slb/template/ftp/a
Payload:
{
    "ftp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/ftp

ftp-list

Delete Object

DELETE

/axapi/v3/slb/template/ftp/{name}

ftp attributes

```
DELETE /axapi/v3/slb/template/ftp/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ftp-list

ftp-list is **JSON List** of *ftp attributes*

ftp-list : [

{ *ftp attributes* },

{ *ftp attributes* },

...

]

ftp attributes

active-mode-port

Description Non-Standard FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-mode-port-val

Description Non-Standard FTP Active mode port

Type: number

Range: 1-65534

Mutual Exclusion: active-mode-port-val and any are mutually exclusive

any

Description Allow any FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and active-mode-port-val are mutually exclusive

name

Description FTP template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

to

Description End range of FTP Active mode port

Type: number

Range: 1-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.104 slb template http

HTTP

http Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*http-list*
Collection URI	/axapi/v3/slb/template/http
Element Name	http
Element URI	/axapi/v3/slb/template/http/{name}
Element Attributes	http_attributes
Schema	`http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/http

http attributes

```
POST /axapi/v3/slb/template/http/
Payload:
{
    "http": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/http

http attributes

Get Object

GET

/axapi/v3/slb/template/http/{name}

http attributes

```
GET /axapi/v3/slb/template/http/a
Reponse:
{
    "http": {
        "name": "a",
        "compression-enable": 0,
        "compression-keep-accept-encoding": 0,
        "compression-level": 1,
        "compression-minimum-content-length": 120,
        "default-charset": "utf-8",
        "max-concurrent-streams": 100,
        "frame-limit": 10000,
        "insert-client-ip": 0,
        "insert-client-port": 0,
        "log-retry": 0,
        "non-http-bypass": 0,
        "redirect": 0,
        "redirect-rewrite": {
            "redirect-secure": 0
        },
        "retry-on-5xx": 0,
        "strict-transaction-switch": 0,
        "term-11client-hdr-conn-close": 0,
        "persist-on-401": 0,
        "100-cont-wait-for-req-complete": 0,
        "url-hash-persist": 0,
        "req-hdr-wait-time": 0,
        "request-line-case-insensitive": 0,
        "keep-client-alive": 0,
        "uuid": "98fe45f6-6122-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/http/a"
```

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```
    }
}
```

Get List

GET

/axapi/v3/slb/template/http

http-list

Modify Object

POST

/axapi/v3/slb/template/http/{name}

http attributes

Replace Object

PUT

/axapi/v3/slb/template/http/{name}

http attributes

```
PUT /axapi/v3/slb/template/http/a
Payload:
{
    "http": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/http

http-list

Delete Object

DELETE

/axapi/v3/slb/template/http/{name}

http attributes

```
DELETE /axapi/v3/slb/template/http/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

http-list

http-list is **JSON List** of *http attributes*

http-list : [

{ *http attributes* },

{ *http attributes* },

...

]

http attributes

100-cont-wait-for-req-complete

Description When REQ has Expect 100 and response is not 100, then wait for whole request to be sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-sg

Description Select service group for non-http traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

client-ip-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-port-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-auto-disable-on-high-cpu

Description Auto-disable software compression on high cpu usage (Disable compression if cpu usage is above threshold. Default is off.)

Type: number

Range: 1-100

compression-content-type

Type: List

compression-enable

Description Enable Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-exclude-content-type

Type: List

compression-exclude-uri

Type: List

compression-keep-accept-encoding

Description Keep accept encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-keep-accept-encoding-enable

Description Enable Server Accept Encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-level

Description compression level, default 1 (compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-minimum-content-length

Description Minimum Content Length (Minimum content length for compression in bytes. Default is 120.)

Type: number

Range: 1-2147483647

Default: 120

cookie-format

Description 'rfc6265': Follow rfc6265;

Type: string

Supported Values: rfc6265

cookie-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

default-charset

Description 'iso-8859-1': Use ISO-8859-1 as the default charset; 'utf-8': Use UTF-8 as the default charset; 'us-ascii': Use US-ASCII as the default charset;

Type: string

Supported Values: iso-8859-1, utf-8, us-ascii

Default: utf-8

failover-url

Description Failover to this URL (Failover URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

frame-limit

Description Limit the number of CONTINUATION, PING, PRIORITY, RESET, SETTINGS and empty frames in one HTTP2 connection, default 10000

Type: number

Range: 0-65535

Default: 10000

host-switching

Type: List

insert-client-ip

Description Insert Client IP address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip-header-name

Description HTTP Header Name for inserting Client IP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

insert-client-port

Description Insert Client Port address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-port-header-name

Description HTTP Header Name for inserting Client Port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

keep-client-alive

Description Keep client alive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-retry

Description log when HTTP request retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-concurrent-streams

Description (http2 only) Max concurrent streams, default 100

Type: number

Range: 1-1000

Default: 100

name

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-http-bypass

Description Bypass non-http traffic instead of dropping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

persist-on-401

Description Persist to the same server if the response code is 401

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute; 'check': check server prefix and enforce prefix format;

Type: string

Supported Values: host, secure, check

rd-port

Description Port (Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: rd-port and rd-simple-loc are mutually exclusive

rd-resp-code

Description '301': Moved Permanently; '302': Found; '303': See Other; '307': Temporary Redirect;

Type: string

Supported Values: 301, 302, 303, 307

rd-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rd-secure and rd-simple-loc are mutually exclusive

rd-simple-loc

Description Redirect location tag absolute URI string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: rd-simple-loc rd-secure and rd-port are mutually exclusive

redirect

Description Automatically send a redirect response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-rewrite

Description: redirect-rewrite is a **JSON Block**. Please see below for *redirect-rewrite*

Type: Object

req-hdr-wait-time

Description HTTP request header wait time before abort connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-hdr-wait-time-val

Description Number of seconds wait for client request header (default is 7)

Type: number

Range: 1-31

Default: 7

request-header-erase-list

Type: List

request-header-insert-list

Type: List

request-line-case-insensitive

Description Parse http request line as case insensitive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-timeout

Description Request timeout if response not received (timeout in seconds)

Type: number

Range: 1-120

response-content-replace-list

Type: List

response-header-erase-list

Type: List

response-header-insert-list

Type: List

retry-on-5xx

Description Retry http request on HTTP 5xx code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx and retry-on-5xx-per-req are mutually exclusive

retry-on-5xx-per-req

Description Retry http request on HTTP 5xx code for each request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx-per-req and retry-on-5xx are mutually exclusive

retry-on-5xx-per-req-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

retry-on-5xx-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

strict-transaction-switch

Description Force server selection on every HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

term-11client-hdr-conn-close

Description Terminate HTTP 1.1 client when req has Connection: close

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-hash-first

Description Use the begining part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-first and url-hash-last are mutually exclusive

url-hash-last

Description Use the end part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-last and url-hash-first are mutually exclusive

url-hash-offset

Description Skip part of URL to calculate hash value (Offset of the URL string)

Type: number

Range: 0-255

url-hash-persist

Description Use URL's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-switching

Type: List

use-server-status

Description Use Server-Status header to do URL hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

request-header-erase-list

Specification	
Type	*list*
Block object keys	

request-header-erase

Description Erase a header from HTTP request (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

redirect-rewrite

Specification	
Type	*object*

match-list

Type: List

redirect-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-secure-port

Description Port (Port Number)

Type: number

Range: 1-65535

Default: 443

redirect-rewrite_match-list

Specification	
Type	*list*
Block object keys	

redirect-match

Description URL Matching (Pattern URL String)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rewrite-to

Description Rewrite to Destination URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

response-header-insert-list

Specification	
Type	*list*
Block object keys	

response-header-insert

Description Insert a header into HTTP response (Header Content (Format: "[name]: [value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

response-header-erase-list

Specification	
Type	*list*
Block object keys	

response-header-erase

Description Erase a header from HTTP response (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template

Specification	
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

url-switching

Specification	
Type	*list*
Block object keys	

url-match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

url-switching-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string; 'url-case-insensitive': Case insensitive URL switching; 'url-hits-enable': Enables URL Hits;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, url-case-insensitive, url-hits-enable

response-content-replace-list

Specification	
Type	*list*
Block object keys	

response-content-replace

Description replace the data from HTTP response content (String in the http content need to be replaced)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-new-string

Description String will be in the http content

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-insert-list

Specification	
Type	*list*
Block object keys	

request-header-insert

Description Insert a header into HTTP request (Header Content (Format: "[name]: [value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

host-switching

Specification	
Type	*list*
Block object keys	

host-match-string

Description Hostname String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

host-switching-type

Description 'contains': Select service group if hostname contains another string; 'ends-with': Select service group if hostname ends with another string; 'equals': Select service group if hostname equals another string; 'starts-with': Select service group if hostname starts with another string; 'host-hits-enable': Enables Host Hits counters;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, host-hits-enable

compression-content-type

Specification	
Type	*list*
Block object keys	

content-type

Description Compression content-type

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

compression-exclude-uri

Specification	
Type	*list*
Block object keys	

exclude-uri

Description Compression exclude uri

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

compression-exclude-content-type

Specification	
Type	*list*
Block object keys	

exclude-content-type

Description Compression exclude content-type (Compression exclude content type)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

2.92.105 slb template http-policy

http-policy template

http-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*http-policy-list*
Collection URI	/axapi/v3/slb/template/http-policy
Element Name	http-policy
Element URI	/axapi/v3/slb/template/http-policy/{name}
Element Attributes	http-policy_attributes
Schema	`http-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/http-policy

http-policy attributes

```
POST /axapi/v3/slb/template/http-policy/
Payload:
{
    "http-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/http-policy

http-policy attributes

Get Object

GET

/axapi/v3/slb/template/http-policy/{name}

http-policy attributes

```
GET /axapi/v3/slb/template/http-policy/a
Reponse:
{
    "http-policy": {
        "name": "a",
        "uuid": "529bb55c-6123-11d9-93cf-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/http-policy/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/http-policy

http-policy-list

Modify Object

POST

/axapi/v3/slb/template/http-policy/{name}

http-policy attributes

Replace Object

PUT

/axapi/v3/slb/template/http-policy/{name}

http-policy attributes

```
PUT /axapi/v3/slb/template/http-policy/a
Payload:
{
    "http-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/http-policy

http-policy-list

Delete Object

DELETE

/axapi/v3/slb/template/http-policy/{name}

http-policy attributes

```
DELETE /axapi/v3/slb/template/http-policy/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

http-policy-list

http-policy-list is **JSON List** of *http-policy attributes*

http-policy-list : [

{ *http-policy attributes* },

{ *http-policy attributes* },

...

]

http-policy attributes

cookie-name

Description name of cookie to match (Cookie Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

geo-location-match

Type: List

http-policy-match

Type: List

multi-match-rule-list

Type: List

Refernce Object: */axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}*

name

Description http-policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-policy-match

Specification	
Type	*list*
Block object keys	

match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

match-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

template

Description 'waf': waf; (WAF template to be used)

Type: string

Supported Values: waf

template-name

Description WAF template to be used (Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

type

Description 'cookie': cookie value match; 'host': hostname match; 'url': URL match;

Type: string

Supported Values: cookie, host, url, header-name, header-value, query-param-name, query-param-value

multi-match-rule-list

Specification	
Type	*list*
Block object keys	

cookie-name-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-contains-type

Description 'contains': Cookie name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-name-contains-typecookie-name-equals-type, cookie-name-starts-with-type and cookie-name-ends-with-type are mutually exclusive

cookie-name-ends-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-ends-with-type

Description 'ends-with': Cookie name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-name-ends-with-typecookie-name-equals-type, cookie-name-contains-type and cookie-name-starts-with-type are mutually exclusive

cookie-name-equals-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-equals-type

Description 'equals': Cookie name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-name-equals-typecookie-name-contains-type, cookie-name-starts-with-type and cookie-name-ends-with-type are mutually exclusive

cookie-name-starts-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-starts-with-type

Description 'starts-with': Cookie name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-name-starts-with-typecookie-name-equals-type, cookie-name-contains-type and cookie-name-ends-with-type are mutually exclusive

cookie-value-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-contains-type

Description 'contains': Cookie value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-value-contains-typecookie-value-equals-type, cookie-value-starts-with-type and cookie-value-ends-with-type are mutually exclusive

cookie-value-ends-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-ends-with-type

Description 'ends-with': Cookie value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-value-ends-with-typecookie-value-equals-type, cookie-value-contains-type and cookie-value-starts-with-type are mutually exclusive

cookie-value-equals-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-equals-type

Description 'equals': Cookie value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-value-equals-typecookie-value-contains-type, cookie-value-starts-with-type and cookie-value-ends-with-type are mutually exclusive

cookie-value-starts-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-starts-with-type

Description 'starts-with': Cookie value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-value-starts-with-typecookie-value-equals-type, cookie-value-contains-type and cookie-value-ends-with-type are mutually exclusive

header-name-contains-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-contains-type

Description 'contains': Header name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-name-contains-typeheader-name-equals-type, header-name-starts-with-type and header-name-ends-with-type are mutually exclusive

header-name-ends-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-ends-with-type

Description 'ends-with': Header name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-name-ends-with-typeheader-name-equals-type, header-name-contains-type and header-name-starts-with-type are mutually exclusive

header-name-equals-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-equals-type

Description 'equals': Header name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-name-equals-typeheader-name-contains-type, header-name-starts-with-type and header-name-ends-with-type are mutually exclusive

header-name-starts-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-starts-with-type

Description 'starts-with': Header name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-name-starts-with-typeheader-name-equals-type, header-name-contains-type and header-name-ends-with-type are mutually exclusive

header-value-contains-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-contains-type

Description 'contains': Header value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-value-contains-typeheader-value-equals-type, header-value-starts-with-type and header-value-ends-with-type are mutually exclusive

header-value-ends-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-ends-with-type

Description 'ends-with': Header value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-value-ends-with-typeheader-value-equals-type, header-value-contains-type and header-value-starts-with-type are mutually exclusive

header-value-equals-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-equals-type

Description 'equals': Header value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-value-equals-typeheader-value-contains-type, header-value-starts-with-type and header-value-ends-with-type are mutually exclusive

header-value-starts-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-starts-with-type

Description 'starts-with': Header value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-value-starts-with-typeheader-value-equals-type, header-value-contains-type and header-value-ends-with-type are mutually exclusive

host-contains-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-contains-type

Description 'contains': Host contains string;

Type: string

Supported Values: contains

Mutual Exclusion: host-contains-typehost-equals-type, host-starts-with-type and host-ends-with-type are mutually exclusive

host-ends-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-ends-with-type

Description 'ends-with': Host ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: host-ends-with-typehost-equals-type, host-contains-type and host-starts-with-type are mutually exclusive

host-equals-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-equals-type

Description 'equals': Host equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: host-equals-typehost-contains-type, host-starts-with-type and host-ends-with-type are mutually exclusive

host-starts-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-starts-with-type

Description 'starts-with': Host starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: host-starts-with-typehost-equals-type, host-contains-type and host-ends-with-type are mutually exclusive

multi-match

Description Specify a multi-match-rule name

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

query-param-name-contains-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-contains-type

Description 'contains': query parameter name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-name-contains-typequery-param-name-equals-type, query-param-name-starts-with-type and query-param-name-ends-with-type are mutually exclusive

query-param-name-ends-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-ends-with-type

Description 'ends-with': query parameter name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-name-ends-with-typequery-param-name-equals-type, query-param-name-contains-type and query-param-name-starts-with-type are mutually exclusive

query-param-name-equals-string

Description query parameter name string, use "[no-name]" for empty query-param-name match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-equals-type

Description 'equals': query parameter name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-name-equals-typequery-param-name-contains-type, query-param-name-starts-with-type and query-param-name-ends-with-type are mutually exclusive

query-param-name-starts-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-starts-with-type

Description 'starts-with': query parameter name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-name-starts-with-typequery-param-name-equals-type, query-param-name-contains-type and query-param-name-ends-with-type are mutually exclusive

query-param-value-contains-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-contains-type

Description 'contains': query parameter value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-value-contains-typequery-param-value-equals-type, query-param-value-starts-with-type and query-param-value-ends-with-type are mutually exclusive

query-param-value-ends-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-ends-with-type

Description 'ends-with': query parameter value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-value-ends-with-typequery-param-value-equals-type, query-param-value-contains-type and query-param-value-starts-with-type are mutually exclusive

query-param-value-equals-string

Description query parameter value string, use "[no-value]" for empty query-param-value match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-equals-type

Description 'equals': query parameter value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-value-equals-typequery-param-value-contains-type, query-param-value-starts-with-type and query-param-value-ends-with-type are mutually exclusive

query-param-value-starts-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-starts-with-type

Description 'starts-with': query parameter value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-value-starts-with-typequery-param-value-equals-type, query-param-value-contains-type and query-param-value-ends-with-type are mutually exclusive

seq-num

Description Specify a sequence number

Type: number

Range: 1-8192

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

template-waf

Description Waf Template to be used (Waf Template Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

url-contains-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-contains-type

Description 'contains': URL contains string;

Type: string

Supported Values: contains

Mutual Exclusion: url-contains-typeurl-equals-type, url-starts-with-type and url-ends-with-type are mutually exclusive

url-ends-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-ends-with-type

Description 'ends-with': URL ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: url-ends-with-typeurl-equals-type, url-contains-type and url-starts-with-type are mutually exclusive

url-equals-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-equals-type

Description 'equals': URL equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: url-equals-typeurl-contains-type, url-starts-with-type and url-ends-with-type are mutually exclusive

url-starts-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-starts-with-type

Description 'starts-with': URL starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: url-starts-with-typeurl-equals-type, url-contains-type and url-ends-with-type are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-match

Specification	
Type	*list*
Block object keys	

geo-location

Description Geolocation name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

geo-location-service-group

Description Service Group to be used (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

geo-location-template

Description 'waf': waf; (WAF template to be used)

Type: string

Supported Values: waf

geo-location-template-name

Description WAF template to be used (Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

2.92.106 slb template http-policy multi-match-rule

Multi-match-rule block

multi-match-rule Specification

Type	*Collection*
Object Key(s)	*multi-match*
Collection Name	*multi-match-rule-list*
Collection URI	/axapi/v3/slb/template/http-policy/{name}/multi-match-rule
Element Name	multi-match-rule
Element URI	/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}
Element Attributes	multi-match-rule_attributes
Schema	`multi-match-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule

multi-match-rule attributes

Create List

POST

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule

multi-match-rule attributes

Get Object

GET

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}

multi-match-rule attributes

Get List

GET

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule

multi-match-rule-list

Modify Object

POST

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}

multi-match-rule attributes

Replace Object

PUT

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}

multi-match-rule attributes

Replace List

PUT

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule

multi-match-rule-list

Delete Object

DELETE

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}

multi-match-rule attributes

multi-match-rule-list

multi-match-rule-list is **JSON List** of *multi-match-rule attributes*

multi-match-rule-list : [

{ *multi-match-rule attributes* },

{ *multi-match-rule attributes* },

...

]

multi-match-rule attributes

cookie-name-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-contains-type

Description 'contains': Cookie name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-name-contains-typecookie-name-equals-type, cookie-name-starts-with-type and cookie-name-ends-with-type are mutually exclusive

cookie-name-ends-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-ends-with-type

Description 'ends-with': Cookie name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-name-ends-with-typecookie-name-equals-type, cookie-name-contains-type and cookie-name-starts-with-type are mutually exclusive

cookie-name-equals-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-equals-type

Description 'equals': Cookie name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-name-equals-typecookie-name-contains-type, cookie-name-starts-with-type and cookie-name-ends-with-type are mutually exclusive

cookie-name-starts-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-starts-with-type

Description 'starts-with': Cookie name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-name-starts-with-typecookie-name-equals-type, cookie-name-contains-type and cookie-name-ends-with-type are mutually exclusive

cookie-value-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-contains-type

Description 'contains': Cookie value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-value-contains-typecookie-value-equals-type, cookie-value-starts-with-type and cookie-value-ends-with-type are mutually exclusive

cookie-value-ends-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-ends-with-type

Description 'ends-with': Cookie value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-value-ends-with-typecookie-value-equals-type, cookie-value-contains-type and cookie-value-starts-with-type are mutually exclusive

cookie-value-equals-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-equals-type

Description 'equals': Cookie value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-value-equals-typecookie-value-contains-type, cookie-value-starts-with-type and cookie-value-ends-with-type are mutually exclusive

cookie-value-starts-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-starts-with-type

Description 'starts-with': Cookie value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-value-starts-with-typecookie-value-equals-type, cookie-value-contains-type and cookie-value-ends-with-type are mutually exclusive

header-name-contains-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-contains-type

Description 'contains': Header name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-name-contains-typeheader-name-equals-type, header-name-starts-with-type and header-name-ends-with-type are mutually exclusive

header-name-ends-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-ends-with-type

Description 'ends-with': Header name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-name-ends-with-typeheader-name-equals-type, header-name-contains-type and header-name-starts-with-type are mutually exclusive

header-name-equals-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-equals-type

Description 'equals': Header name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-name-equals-typeheader-name-contains-type, header-name-starts-with-type and header-name-ends-with-type are mutually exclusive

header-name-starts-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-starts-with-type

Description 'starts-with': Header name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-name-starts-with-typeheader-name-equals-type, header-name-contains-type and header-name-ends-with-type are mutually exclusive

header-value-contains-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-contains-type

Description 'contains': Header value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-value-contains-typeheader-value-equals-type, header-value-starts-with-type and header-value-ends-with-type are mutually exclusive

header-value-ends-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-ends-with-type

Description 'ends-with': Header value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-value-ends-with-typeheader-value-equals-type, header-value-contains-type and header-value-starts-with-type are mutually exclusive

header-value-equals-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-equals-type

Description 'equals': Header value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-value-equals-typeheader-value-contains-type, header-value-starts-with-type and header-value-ends-with-type are mutually exclusive

header-value-starts-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-starts-with-type

Description 'starts-with': Header value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-value-starts-with-typeheader-value-equals-type, header-value-contains-type and header-value-ends-with-type are mutually exclusive

host-contains-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-contains-type

Description 'contains': Host contains string;

Type: string

Supported Values: contains

Mutual Exclusion: host-contains-typehost-equals-type, host-starts-with-type and host-ends-with-type are mutually exclusive

host-ends-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-ends-with-type

Description 'ends-with': Host ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: host-ends-with-typehost-equals-type, host-contains-type and host-starts-with-type are mutually exclusive

host-equals-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-equals-type

Description 'equals': Host equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: host-equals-typehost-contains-type, host-starts-with-type and host-ends-with-type are mutually exclusive

host-starts-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-starts-with-type

Description 'starts-with': Host starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: host-starts-with-typehost-equals-type, host-contains-type and host-ends-with-type are mutually exclusive

multi-match

Description Specify a multi-match-rule name

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

query-param-name-contains-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-contains-type

Description 'contains': query parameter name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-name-contains-typequery-param-name-equals-type, query-param-name-starts-with-type and query-param-name-ends-with-type are mutually exclusive

query-param-name-ends-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-ends-with-type

Description 'ends-with': query parameter name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-name-ends-with-typequery-param-name-equals-type, query-param-name-contains-type and query-param-name-starts-with-type are mutually exclusive

query-param-name-equals-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-equals-type

Description 'equals': query parameter name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-name-equals-typequery-param-name-contains-type, query-param-name-starts-with-type and query-param-name-ends-with-type are mutually exclusive

query-param-name-starts-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-starts-with-type

Description 'starts-with': query parameter name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-name-starts-with-typequery-param-name-equals-type, query-param-name-contains-type and query-param-name-ends-with-type are mutually exclusive

query-param-value-contains-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-contains-type

Description 'contains': query parameter value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-value-contains-typequery-param-value-equals-type, query-param-value-starts-with-type and query-param-value-ends-with-type are mutually exclusive

query-param-value-ends-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-ends-with-type

Description 'ends-with': query parameter value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-value-ends-with-typequery-param-value-equals-type, query-param-value-contains-type and query-param-value-starts-with-type are mutually exclusive

query-param-value-equals-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-equals-type

Description 'equals': query parameter value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-value-equals-typequery-param-value-contains-type, query-param-value-starts-with-type and query-param-value-ends-with-type are mutually exclusive

query-param-value-starts-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-starts-with-type

Description 'starts-with': query parameter value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-value-starts-with-typequery-param-value-equals-type, query-param-value-contains-type and query-param-value-ends-with-type are mutually exclusive

seq-num

Description Specify a sequence number

Type: number

Range: 1-8192

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

template-waf

Description Waf Template to be used (Waf Template Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

url-contains-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-contains-type

Description 'contains': URL contains string;

Type: string

Supported Values: contains

Mutual Exclusion: url-contains-typeurl-equals-type, url-starts-with-type and url-ends-with-type are mutually exclusive

url-ends-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-ends-with-type

Description 'ends-with': URL ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: url-ends-with-typeurl-equals-type, url-contains-type and url-starts-with-type are mutually exclusive

url-equals-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-equals-type

Description 'equals': URL equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: url-equals-typeurl-contains-type, url-starts-with-type and url-ends-with-type are mutually exclusive

url-starts-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-starts-with-type

Description 'starts-with': URL starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: url-starts-with-typeurl-equals-type, url-contains-type and url-ends-with-type are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.107 slb template imap-pop3

IMAP

imap-pop3 Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*imap-pop3-list*
Collection URI	/axapi/v3/slb/template/imap-pop3
Element Name	imap-pop3
Element URI	/axapi/v3/slb/template/imap-pop3/{name}
Element Attributes	imap-pop3_attributes
Schema	`imap-pop3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/imap-pop3

imap-pop3 attributes

```
POST /axapi/v3/slb/template/imap-pop3/
Payload:
{
    "imap-pop3": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/imap-pop3

imap-pop3 attributes

Get Object

GET

/axapi/v3/slb/template/imap-pop3/{name}

imap-pop3 attributes

```
GET /axapi/v3/slb/template/imap-pop3/a
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "imap-pop3": {
        "name": "a",
        "starttls": "disabled",
        "logindisabled": 0,
        "uuid": "e88a470e-6123-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/imap-pop3/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/imap-pop3

imap-pop3-list

Modify Object

POST

/axapi/v3/slb/template/imap-pop3/{name}

imap-pop3 attributes

Replace Object

PUT

/axapi/v3/slb/template/imap-pop3/{name}

imap-pop3 attributes

```
PUT /axapi/v3/slb/template/imap-pop3/a
Payload:
{
    "imap-pop3": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/imap-pop3

imap-pop3-list

Delete Object

DELETE

/axapi/v3/slb/template/imap-pop3/{name}

imap-pop3 attributes

```
DELETE /axapi/v3/slb/template/imap-pop3/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

imap-pop3-list

imap-pop3-list is **JSON List** of *imap-pop3 attributes*

imap-pop3-list : [

{ *imap-pop3 attributes* },

{ *imap-pop3 attributes* },

...

]

imap-pop3 attributes

logindisabled

Description Disable Login before STARTTLS.Works only for imap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description IMAP-POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

starttls

Description 'disabled': Disable STARTTLS; 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before imap transaction;

Type: string

Supported Values: disabled, optional, enforced

Default: disabled

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.108 slb template link-block-as-down

LACP Link-block will be treated as Link-down template

link-block-as-down Specification

Type	*Configuration Resource*
Element Name	link-block-as-down
Element URI	/axapi/v3/slb/template/link-block-as-down
Element Attributes	link-block-as-down_attributes
Schema	`link-block-as-down schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

Get Object

GET

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

Modify Object

POST

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

Replace Object

PUT

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

Delete Object

DELETE

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

link-block-as-down attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.109 slb template link-cost

Server Link-Cost Template

link-cost Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*link-cost-list*
Collection URI	/axapi/v3/slb/template/link-cost
Element Name	link-cost
Element URI	/axapi/v3/slb/template/link-cost/{name}
Element Attributes	link-cost_attributes
Schema	`link-cost schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-cost

link-cost attributes

Create List

POST

/axapi/v3/slb/template/link-cost

link-cost attributes

Get Object

GET

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

Get List

GET

/axapi/v3/slb/template/link-cost

link-cost-list

Modify Object

POST

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

Replace Object

PUT

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

Replace List

PUT

/axapi/v3/slb/template/link-cost

link-cost-list

Delete Object

DELETE

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

link-cost-list

link-cost-list is **JSON List** of *link-cost attributes*

link-cost-list : [

{ *link-cost attributes* },

{ *link-cost attributes* },

...

]

link-cost attributes

bandwidth-interval

Description Interval duration in seconds

Type: number

Range: 1-60

Default: 5

name

Description Server Link-Cost Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

overage-bandwidth-cost

Description Configure overage bandwidth cost on real server (Overage bandwidth cost per Mbpi)

Type: number

Range: 0-4294967295

Default: 0

prepaid-bandwidth

Description Configure prepaid bandwidth on real server (Prepaid Bandwidth in Mbpi)

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'link_total_fwd_bytes': Total bytes fwd for link; 'interval_fwd_bytes': Link Cost bytes processed in forward direction per interval; 'link_total_conn': Link Cost total connection; 'interval_avg_throughput': Link Cost average throughput per interval; 'interval_max_throughput': Link Cost max throughput per interval;

Type: string

Supported Values: all, link_total_fwd_bytes, interval_fwd_bytes, link_total_conn, interval_avg_throughput, interval_max_throughput

stats data

	Counter	Size	Description
	link_total_fwd_bytes	8	Total bytes fwd for link
	interval_fwd_bytes	8	Link Cost bytes processed in forward direction per interval
	interval_avg_throughput	8	Link Cost average throughput per interval
	interval_max_throughput	8	Link Cost max throughput per interval
	link_total_conn	8	Link Cost total connection

2.92.110 slb template link-down-on-restart

All Link event will be treated as Link-down template

link-down-on-restart Specification

Type	*Configuration Resource*
Element Name	link-down-on-restart
Element URI	/axapi/v3/slb/template/link-down-on-restart
Element Attributes	link-down-on-restart_attributes
Schema	`link-down-on-restart schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

Get Object

GET

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

Modify Object

POST

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

Replace Object

PUT

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

Delete Object

DELETE

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

link-down-on-restart attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.111 slb template link-probe

Link probe template

link-probe Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*link-probe-list*
Collection URI	/axapi/v3/slb/template/link-probe
Element Name	link-probe
Element URI	/axapi/v3/slb/template/link-probe/{name}
Element Attributes	link-probe_attributes
Schema	`link-probe schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-probe

link-probe attributes

Create List

POST

/axapi/v3/slb/template/link-probe

link-probe attributes

Get Object

GET

/axapi/v3/slb/template/link-probe/{name}

link-probe attributes

Get List

GET

/axapi/v3/slb/template/link-probe

link-probe-list

Modify Object

POST

/axapi/v3/slb/template/link-probe/{name}

link-probe attributes

Replace Object

PUT

/axapi/v3/slb/template/link-probe/{name}

link-probe attributes

Replace List

PUT

/axapi/v3/slb/template/link-probe

link-probe-list

Delete Object

DELETE

/axapi/v3/slb/template/link-probe/{name}

link-probe attributes

link-probe-list

link-probe-list is **JSON List** of *link-probe attributes*

link-probe-list : [

{ *link-probe attributes* },

{ *link-probe attributes* },

...

]

link-probe attributes

destination

Description: destination is a **JSON Block**. Please see below for *destination*

Type: Object

Refernce Object: */axapi/v3/slb/template/link-probe/{name}/destination*

disable

Description Disable Probe template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expected-status-code

Description Specify response code range (e.g. 200,400-430), default is 200 (Format is xx,xx-xx (xx between [100, 899]), default is 200)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: 200

name

Description probe template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

probe-interval

Description Time between each probe that needs to be sent out (in seconds, default is 5)

Type: number

Range: 1-7200

Default: 5

probes-per-test

Description Total number of probes to be sent out for each test

Type: number

Range: 1-10

Default: 5

rtt-method

Description 'http-rtt': Calculate Round Trip Time between HTTP request and response; 'tcp-srtt': Use TCP Smoothed round trip time in the HTTP connection;

Type: string

Supported Values: http-rtt, tcp-srtt

Default: http-rtt

selection-rule

Description 'threshold': Use all links below a threshold before selecting the fastest link; 'fastest-link-always': Always use the link with the lowest average latency;

Type: string

Supported Values: threshold, fastest-link-always

Default: fastest-link-always

test-interval

Description time interval between subsequent tests (in seconds, default is 60)

Type: number

Range: 1-7200

Default: 60

threshold-value

Description Use all links below a threshold before selecting the fastest link (RTT in milliseconds)

Type: number

Range: 0-65534

Default: 0

url

Description Specify URL to which probes should be sent out. Default is /

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: /

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination

Specification	
Type	*object*

hostname

Description Target Hostname

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve the configured hostname; 'resolve-to-ipv6': Use AAAA Query only to resolve the configured hostname;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6

Mutual Exclusion: resolve-as static-ipv4-addr and static-ipv6-addr are mutually exclusive

static-ipv4-addr

Description Target IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: static-ipv4-addr resolve-as and static-ipv6-addr are mutually exclusive

static-ipv6-addr

Description Target IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: static-ipv6-addr resolve-as and static-ipv4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.112 slb template link-probe destination

Specify Target type

destination Specification

Type	*Configuration Resource*
Element Name	destination
Element URI	/axapi/v3/slb/template/link-probe/{name}/destination
Element Attributes	destination_attributes
Schema	`destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

Get Object

GET

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

Modify Object

POST

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

Replace Object

PUT

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

Delete Object

DELETE

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

destination attributes

hostname

Description Target Hostname

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve the configured hostname; 'resolve-to-ipv6': Use AAAA Query only to resolve the configured hostname;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6

Mutual Exclusion: resolve-as static-ipv4-addr and static-ipv6-addr are mutually exclusive

static-ipv4-addr

Description Target IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: static-ipv4-addr resolve-as and static-ipv6-addr are mutually exclusive

static-ipv6-addr

Description Target IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: static-ipv6-addr resolve-as and static-ipv4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.113 slb template logging

Logging template

logging Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-list*
Collection URI	/axapi/v3/slb/template/logging
Element Name	logging
Element URI	/axapi/v3/slb/template/logging/{name}
Element Attributes	logging_attributes
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/logging

logging attributes

```
POST /axapi/v3/slb/template/logging/
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/logging

logging attributes

Get Object

GET

/axapi/v3/slb/template/logging/{name}

logging attributes

```
GET /axapi/v3/slb/template/logging/a
Reponse:
{
    "logging": {
        "name": "a",
        "local-logging": 0,
        "auto": "auto",
        "uuid": "a9bbf35a-6124-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/logging/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/logging

logging-list

Modify Object

POST

/axapi/v3/slb/template/logging/{name}

logging attributes

Replace Object

PUT

/axapi/v3/slb/template/logging/{name}

logging attributes

```
PUT /axapi/v3/slb/template/logging/a
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/logging

logging-list

Delete Object

DELETE

/axapi/v3/slb/template/logging/{name}

logging attributes

```
DELETE /axapi/v3/slb/template/logging/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

logging-list

logging-list is **JSON List** of *logging attributes*

logging-list : [

{ *logging attributes* },

{ *logging attributes* },

...

]

logging attributes

auto

Description 'auto': Configure auto NAT for logging, default is auto enabled;

Type: string

Supported Values: auto

Default: auto

Mutual Exclusion: auto and pool are mutually exclusive

format

Description Specfiy a format string for web logging (format string(less than 250 characters) for web logging)

Type: string

Format: string-rlx

Maximum Length: 250 characters

Maximum Length: 1 characters

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

Default: 0

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

Default: 0

local-logging

Description 1 to enable local logging (1 to enable local logging, default 0)

Type: number

Range: 0-1

Default: 0

mask

Description Character to mask the matched pattern (default: X)

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: X

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in the log

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: pool shared-partition-pool and auto are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

tcp-proxy

Description TCP proxy template (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.114 slb template monitor

Monitor template

monitor Specification

Type	*Collection*
Object Key(s)	*id*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/slb/template/monitor
Element Name	monitor
Element URI	/axapi/v3/slb/template/monitor/{id}
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/monitor

monitor attributes

```
POST /axapi/v3/slb/template/monitor/
Payload:
{
    "monitor": {
        "id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/monitor

monitor attributes

Get Object

GET

/axapi/v3/slb/template/monitor/{id}

monitor attributes

```
GET /axapi/v3/slb/template/monitor/1
Reponse:
{
    "monitor": {
        "id": 1,
        "monitor-relation": "monitor-and",
        "uuid": "c51e6254-6124-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/monitor/1"
    }
}
```

Get List

GET

/axapi/v3/slb/template/monitor

monitor-list

Modify Object

POST

/axapi/v3/slb/template/monitor/{id}

monitor attributes

Replace Object

PUT

/axapi/v3/slb/template/monitor/{id}

monitor attributes

```
PUT /axapi/v3/slb/template/monitor/1
Payload:
{
    "monitor": {
        "id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/slb/template/monitor/{id}

monitor attributes

```
DELETE /axapi/v3/slb/template/monitor/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

clear-cfg

Specification	
Type	*list*
Block object keys	

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

link-enable-cfg

Specification	
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

link-up-cfg

Specification	
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

link-down-cfg

Specification	
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

link-disable-cfg

Specification	
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

2.92.115 slb template mqtt

MQTT template

mqtt Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*mqtt-list*
Collection URI	/axapi/v3/slb/template/mqtt
Element Name	mqtt
Element URI	/axapi/v3/slb/template/mqtt/{name}
Element Attributes	mqtt_attributes
Schema	`mqtt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/mqtt

mqtt attributes

Create List

POST

/axapi/v3/slb/template/mqtt

mqtt attributes

Get Object

GET

/axapi/v3/slb/template/mqtt/{name}

mqtt attributes

Get List

GET

/axapi/v3/slb/template/mqtt

mqtt-list

Modify Object

POST

/axapi/v3/slb/template/mqtt/{name}

mqtt attributes

Replace Object

PUT

/axapi/v3/slb/template/mqtt/{name}

mqtt attributes

Replace List

PUT

/axapi/v3/slb/template/mqtt

mqtt-list

Delete Object

DELETE

/axapi/v3/slb/template/mqtt/{name}

mqtt attributes

mqtt-list

mqtt-list is **JSON List** of *mqtt attributes*

mqtt-list : [

{ *mqtt attributes* },

{ *mqtt attributes* },

...

]

mqtt attributes

clientid-hash-first

Description Use the begining part of client ID to calculate hash value (client ID string length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-last

Description Use the end part of Client ID to calculate hash value (Client ID length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-offset

Description Skip part of Client ID to calculate hash value (Offset of the Client ID)

Type: number

Range: 0-255

clientid-hash-persist

Description Use Client ID's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description MQTT Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.116 slb template persist

Persistence

persist Specification

Type	*Intermediate Resource*
Element Name	persist
Element URI	/axapi/v3/slb/template/persist
Element Attributes	persist_attributes
Schema	`persist schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/template/persist

persist_attributes

persist attributes

cookie-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/cookie/{name}*

destination-ip-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/destination-ip/{name}*

source-ip-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/source-ip/{name}*

ssl-sid-list

Type: List

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid/{name}*

destination-ip-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of destination IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Destination IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-ip-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-higher-priority

Description Enforce to use high priority node if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of source IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-dst-ip

Description Include destination IP on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-sport

Description Include source port on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Source IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

primary-port

Description Primary port to create the persist session

Type: number

Range: 1-65534

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cookie-list

Specification	
Type	*list*
Block object keys	

cookie-name

Description Set cookie name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: sto-id

domain

Description Set cookie domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypt-level

Description Encryption level for cookie name / value

Type: number

Range: 0-1

Default: 1

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

expire

Description Set cookie expiration time (Expiration in seconds)

Type: number

Range: 0-31536000

Default: 31536000

httponly

Description Enable HttpOnly attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-always

Description Insert persist cookie to every reponse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persist for server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pass-phrase

Description Set passphrase for encryption

Type: string

Format: password

Maximum Length: 8 characters

Maximum Length: 8 characters

Default: ACOS4KEY

pass-thru

Description Pass thru mode - Server sends the persist cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

path

Description Set cookie path (Cookie path, default is "/")

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: /

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute;

Type: string

Supported Values: host, secure

samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

scan-all-members

Description Persist within the same server SCAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure

Description Enable secure attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

server-service-group

Description Persist to the same server and within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-sid-list

Specification	
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SSL session ID persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.117 slb template persist cookie

Cookie persistence

cookie Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*cookie-list*
Collection URI	/axapi/v3/slb/template/persist/cookie
Element Name	cookie
Element URI	/axapi/v3/slb/template/persist/cookie/{name}
Element Attributes	cookie_attributes
Schema	`cookie schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/persist/cookie

cookie attributes

```
POST /axapi/v3/slb/template/persist/cookie/
Payload:
{
```

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```
    "cookie": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/persist/cookie

cookie attributes

Get Object

GET

/axapi/v3/slb/template/persist/cookie/{name}

cookie attributes

```
GET /axapi/v3/slb/template/persist/cookie/a
Reponse:
{
    "cookie": {
        "name": "a",
        "dont-honor-conn-rules": 0,
        "expire": 31536000,
        "insert-always": 0,
        "encrypt-level": 1,
        "encrypted": "XXXXX",
        "cookie-name": "sto-id",
        "path": "/",
        "pass-thru": 0,
        "secure": 0,
        "httponly": 0,
        "match-type": 0,
        "uuid": "304a1bf4-6125-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/persist/cookie/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/persist/cookie

cookie-list

Modify Object

POST

/axapi/v3/slb/template/persist/cookie/{name}

cookie attributes

Replace Object

PUT

/axapi/v3/slb/template/persist/cookie/{name}

cookie attributes

```
PUT /axapi/v3/slb/template/persist/cookie/a
Payload:
{
    "cookie": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/persist/cookie

cookie-list

Delete Object

DELETE

/axapi/v3/slb/template/persist/cookie/{name}

cookie attributes

```
DELETE /axapi/v3/slb/template/persist/cookie/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

cookie-list

cookie-list is **JSON List** of *cookie attributes*

cookie-list : [

{ *cookie attributes* },

{ *cookie attributes* },

...

]

cookie attributes

cookie-name

Description Set cookie name (Cookie name, default "sto-id")

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: sto-id

domain

Description Set cookie domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypt-level

Description Encryption level for cookie name / value

Type: number

Range: 0-1

Default: 1

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

expire

Description Set cookie expiration time (Expiration in seconds)

Type: number

Range: 0-31536000

Default: 31536000

httponly

Description Enable HttpOnly attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-always

Description Insert persist cookie to every reponse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persist for server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pass-phrase

Description Set passphrase for encryption

Type: string

Format: password

Maximum Length: 8 characters

Maximum Length: 8 characters

Default: ACOS4KEY

pass-thru

Description Pass thru mode - Server sends the persist cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

path

Description Set cookie path (Cookie path, default is "/")

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: /

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute;

Type: string

Supported Values: host, secure

samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

scan-all-members

Description Persist within the same server SCAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure

Description Enable secure attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

server-service-group

Description Persist to the same server and within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.118 slb template persist destination-ip

Destination IP persistence

destination-ip Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*destination-ip-list*
Collection URI	/axapi/v3/slb/template/persist/destination-ip
Element Name	destination-ip
Element URI	/axapi/v3/slb/template/persist/destination-ip/{name}
Element Attributes	destination-ip_attributes
Schema	`destination-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/persist/destination-ip

destination-ip attributes

```
POST /axapi/v3/slb/template/persist/destination-ip/
Payload:
{
    "destination-ip": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/persist/destination-ip

destination-ip attributes

Get Object

GET

/axapi/v3/slb/template/persist/destination-ip/{name}

destination-ip attributes

```
GET /axapi/v3/slb/template/persist/destination-ip/a
Reponse:
{
    "destination-ip": {
        "name": "a",
        "dont-honor-conn-rules": 0,
        "hash-persist": 0,
        "match-type": 0,
        "timeout": 5,
        "netmask": "255.255.255.255",
        "netmask6": 128,
        "uuid": "6c43abca-6125-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/persist/destination-ip/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/persist/destination-ip

destination-ip-list

Modify Object

POST

/axapi/v3/slb/template/persist/destination-ip/{name}

destination-ip attributes

Replace Object

PUT

/axapi/v3/slb/template/persist/destination-ip/{name}

destination-ip attributes

```
PUT /axapi/v3/slb/template/persist/destination-ip/a
Payload:
{
    "destination-ip": {
        "name": "a",
```

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```
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/persist/destination-ip

destination-ip-list

Delete Object

DELETE

/axapi/v3/slb/template/persist/destination-ip/{name}

destination-ip attributes

```
DELETE /axapi/v3/slb/template/persist/destination-ip/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

destination-ip-list

destination-ip-list is **JSON List** of *destination-ip attributes*

destination-ip-list : [

{ *destination-ip attributes* },

{ *destination-ip attributes* },

...

]

destination-ip attributes

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of destination IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Destination IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.119 slb template persist source-ip

Source IP persistence

source-ip Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*source-ip-list*
Collection URI	/axapi/v3/slb/template/persist/source-ip
Element Name	source-ip
Element URI	/axapi/v3/slb/template/persist/source-ip/{name}
Element Attributes	source-ip_attributes
Schema	`source-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/persist/source-ip

source-ip attributes

```
POST /axapi/v3/slb/template/persist/source-ip/
Payload:
{
    "source-ip": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/persist/source-ip

source-ip attributes

Get Object

GET

/axapi/v3/slb/template/persist/source-ip/{name}

source-ip attributes

```
GET /axapi/v3/slb/template/persist/source-ip/a
Reponse:
{
    "source-ip": {
        "name": "a",
        "dont-honor-conn-rules": 0,
        "enforce-higher-priority": 0,
        "hash-persist": 0,
        "incl-dst-ip": 0,
        "incl-sport": 0,
        "timeout": 5,
        "netmask": "255.255.255.255",
        "netmask6": 128,
        "match-type": 0,
        "uuid": "94628874-6125-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/persist/source-ip/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/persist/source-ip

source-ip-list

Modify Object

POST

/axapi/v3/slb/template/persist/source-ip/{name}

source-ip attributes

Replace Object

PUT

/axapi/v3/slb/template/persist/source-ip/{name}

source-ip attributes

```
PUT /axapi/v3/slb/template/persist/source-ip/a
Payload:
{
    "source-ip": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/persist/source-ip

source-ip-list

Delete Object

DELETE

/axapi/v3/slb/template/persist/source-ip/{name}

source-ip attributes

```
DELETE /axapi/v3/slb/template/persist/source-ip/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

source-ip-list

source-ip-list is **JSON List** of *source-ip attributes*

source-ip-list : [

{ *source-ip attributes* },

{ *source-ip attributes* },

...

]

source-ip attributes

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-higher-priority

Description Enforce to use high priority node if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of source IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-dst-ip

Description Include destination IP on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-sport

Description Include source port on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Source IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

primary-port

Description Primary port to create the persist session

Type: number

Range: 1-65534

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.120 slb template persist ssl-sid

SSL session ID persistence

ssl-sid Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*ssl-sid-list*
Collection URI	/axapi/v3/slb/template/persist/ssl-sid
Element Name	ssl-sid
Element URI	/axapi/v3/slb/template/persist/ssl-sid/{name}
Element Attributes	ssl-sid_attributes
Schema	`ssl-sid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/persist/ssl-sid

ssl-sid attributes

```
POST /axapi/v3/slb/template/persist/ssl-sid/
Payload:
{
    "ssl-sid": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/persist/ssl-sid

ssl-sid attributes

Get Object

GET

/axapi/v3/slb/template/persist/ssl-sid/{name}

ssl-sid attributes

```
GET /axapi/v3/slb/template/persist/ssl-sid/a
Reponse:
{
    "ssl-sid": {
        "name": "a",
        "dont-honor-conn-rules": 0,
        "timeout": 5,
        "uuid": "c7bfaf3a-6125-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/persist/ssl-sid/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/persist/ssl-sid

ssl-sid-list

Modify Object

POST

/axapi/v3/slb/template/persist/ssl-sid/{name}

ssl-sid attributes

Replace Object

PUT

/axapi/v3/slb/template/persist/ssl-sid/{name}

ssl-sid attributes

```
PUT /axapi/v3/slb/template/persist/ssl-sid/a
Payload:
{
    "ssl-sid": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/persist/ssl-sid

ssl-sid-list

Delete Object

DELETE

/axapi/v3/slb/template/persist/ssl-sid/{name}

ssl-sid attributes

```
DELETE /axapi/v3/slb/template/persist/ssl-sid/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ssl-sid-list

ssl-sid-list is **JSON List** of *ssl-sid attributes*

ssl-sid-list : [

{ *ssl-sid attributes* },

{ *ssl-sid attributes* },

...

]

ssl-sid attributes

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SSL session ID persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.121 slb template policy

Policy config

policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*policy-list*
Collection URI	/axapi/v3/slb/template/policy
Element Name	policy
Element URI	/axapi/v3/slb/template/policy/{name}
Element Attributes	policy_attributes
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy

policy attributes

```
POST /axapi/v3/slb/template/policy/
Payload:
{
```

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```
    "policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/policy

policy attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}

policy attributes

```
GET /axapi/v3/slb/template/policy/a
Reponse:
{
    "policy": {
        "name": "a",
        "timeout": 5,
        "use-destination-ip": 0,
        "over-limit": 0,
        "overlap": 0,
        "share": 0,
        "full-domain-tree": 0,
        "uuid": "d968f26e-6125-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/policy/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/policy

policy-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}

policy attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}

policy attributes

```
PUT /axapi/v3/slb/template/policy/a
Payload:
{
    "policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/policy

policy-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}

policy attributes

```
DELETE /axapi/v3/slb/template/policy/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

bw-list-id

Type: List

bw-list-name

Description Specify a blacklist/whitelist name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/class-list*

forward-policy

Description: forward-policy is a **JSON Block**. Please see below for *forward-policy*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy*

full-domain-tree

Description Share counters between geo-location and sub regions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Log interval (minute)

Type: number

Range: 1-255

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

over-limit

Description Specify operation in case over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-lockup

Description Don't accept any new connection for certain time (Lockup duration (minute))

Type: number

Range: 1-127

over-limit-logging

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-reset

Description Reset the connection when it exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

overlap

Description Use overlap mode for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

share

Description Share counters between virtual ports and virtual servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Define timeout value of PBSLB dynamic entry (Timeout value (minute, default is 5))

Type: number

Range: 1-127

Default: 5

use-destination-ip

Description Use destination IP to match the policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy

Specification	
Type	*object*

acos-event-log

Description Enable acos event logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}*

filtering

Type: List

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-client-conn-reuse

Description Inspects only first request of a connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

require-web-category

Description Wait for web category to be resolved before taking proxy decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

san-filtering

Type: List

source-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_filtering

Specification	
Type	*list*
Block object keys	

ssli-url-filtering

Description 'bypassed-sni-disable': Disable SNI filtering for bypassed URL's(enabled by default); 'intercepted-sni-enable': Enable SNI filtering for intercepted URL's(disabled by default); 'intercepted-http-disable': Disable HTTP(host/URL) filtering for intercepted URL's(enabled by default); 'no-sni-allow': Allow connection if SNI filtering is enabled and SNI header is not present(Drop by default);

Type: string

Supported Values: bypassed-sni-disable, intercepted-sni-enable, intercepted-http-disable, no-sni-allow

forward-policy_san-filtering

Specification	
Type	*list*
Block object keys	

ssli-url-filtering-san

Description 'enable-san': Enable SAN filtering(disabled by default); 'bypassed-san-disable': Disable SAN filtering for bypassed URL's(enabled by default); 'intercepted-san-enable': Enable SAN filtering for intercepted URL's(disabled by default); 'no-san-allow': Allow connection if SAN filtering is enabled and SAN field is not present(Drop by default);

Type: string

Supported Values: enable-san, bypassed-san-disable, intercepted-san-enable, no-san-allow

forward-policy_action-list

Specification	
Type	*list*
Block object keys	

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url drop-response-code and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_action-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

forward-policy_source-list

Specification	
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *forward-policy_source-list_destination*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_source-list_destination

Specification	
Type	*object*

any

Description: any is a **JSON Block**. Please see below for *forward-policy_source-list_destination_any*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

forward-policy_source-list_destination_class-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_source-list_destination_class-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

forward-policy_source-list_destination_web-category-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

forward-policy_source-list_destination_web-category-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

forward-policy_source-list_destination_any

Specification	
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_source-list_destination_any_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

forward-policy_source-list_destination_web-reputation-scope-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/reputation-scope*

forward-policy_source-list_destination_web-reputation-scope-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

forward-policy_source-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

class-list

Specification	
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name or geo-location-class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list_dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

class-list_lid-list_response-code-rate-limit

Specification	
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

bw-list-id

Specification	
Type	*list*
Block object keys	

action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

bw-list-action

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: bw-list-action and service-group are mutually exclusive

fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

id

Description Specify id that maps to service group (The id number)

Type: number

Range: 0-1023

logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pbslb-interval

Description Specify logging interval in minutes

Type: number

Range: 0-60

Default: 3

pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group and bw-list-action are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwd-policy-dns-unresolved': Forward-policy unresolved DNS queries; 'fwd-policy-dns-outstanding': Forward-policy current DNS outstanding requests; 'fwd-policy-snat-fail': Forward-policy source-nat translation failure; 'fwd-policy-hits': Number of forward-policy requests for this policy template; 'fwd-policy-forward-to-internet': Number of forward-policy requests forwarded to internet; 'fwd-policy-forward-to-service-group': Number of forward-policy requests forwarded to service group; 'fwd-policy-policy-drop': Number of forward-policy requests dropped; 'fwd-policy-source-match-not-found': Forward-policy requests without matching source rule; 'exp_client_hello_not_found': Expected Client HELLO requests not found;

Type: string

Supported Values: all, fwd-policy-dns-unresolved, fwd-policy-dns-outstanding, fwd-policy-snat-fail, fwd-policy-hits, fwd-policy-forward-to-internet, fwd-policy-forward-to-service-group, fwd-policy-forward-to-proxy, fwd-policy-policy-drop, fwd-policy-source-match-not-found, exp-client-hello-not-found

stats data

	Counter	Size	Description
	fwd-policy-dns-unresolved	8	Forward-policy unresolved DNS queries
	fwd-policy-hits	8	Number of forward-policy requests for this policy template
	fwd-policy-policy-drop	8	Number of forward-policy requests dropped
	fwd-policy-forward-to-service-group	8	Number of forward-policy requests forwarded to service group
	fwd-policy-forward-to-internet	8	Number of forward-policy requests forwarded to internet
	fwd-policy-dns-outstanding	8	Forward-policy current DNS outstanding requests
	fwd-policy-source-match-not-found	8	Forward-policy requests without matching source rule
	fwd-policy-snat-fail	8	Forward-policy source-nat translation failure
	exp-client-hello-not-found	8	Expected Client HELLO requests not found
	fwd-policy-forward-to-proxy	8	Number of forward-policy requests forwarded to proxy

2.92.122 slb template policy class-list

Configure classification list

class-list Specification

Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/slb/template/policy/{name}/class-list
Element Attributes	class-list_attributes
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

```
POST /axapi/v3/slb/template/policy/a/class-list
Payload:
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

```
GET /axapi/v3/slb/template/policy/a/class-list
Reponse:
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 1,
        "uuid": "f15d023e-6125-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/slb/template/policy/a/class-list"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

```
PUT /axapi/v3/slb/template/policy/a/class-list
Payload:
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

```
DELETE /axapi/v3/slb/template/policy/a/class-list
Reponse:
{
    "response": {
        "status": "fail",
        "err": {
            "code": 1023459337,
            "from": "BACKEND",
            "msg": "Backend Error"
        }
    }
}
```

class-list attributes

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name or geo-location-class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

lid-list_response-code-rate-limit

Specification	
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

2.92.123 slb template policy class-list lid

Limit ID

lid Specification

Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/class-list/lid
Element Name	lid
Element URI	/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}
Element Attributes	lid_attributes
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/class-list/lid

lid attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/class-list/lid

lid attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/class-list/lid

lid-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/class-list/lid

lid-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

...

]

lid attributes

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Refernce Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64

Specification	
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

response-code-rate-limit

Specification	
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

2.92.124 slb template policy forward-policy

Forward Policy commands

forward-policy Specification

Type	*Configuration Resource*
Element Name	forward-policy
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy
Element Attributes	forward-policy_attributes
Schema	`forward-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

```
POST /axapi/v3/slb/template/policy/a/forward-policy
Payload:
{
    "forward-policy": {
        "no-client-conn-reuse": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

```
GET /axapi/v3/slb/template/policy/a/forward-policy
Reponse:
{
    "forward-policy": {
        "no-client-conn-reuse": 1,
        "acos-event-log": 0,
        "local-logging": 0,
        "require-web-category": 0,
```

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```
        "uuid": "7afabe00-6126-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/slb/template/policy/a/forward-policy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

```
PUT /axapi/v3/slb/template/policy/a/forward-policy
Payload:
{
    "forward-policy": {
        "no-client-conn-reuse": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

```
DELETE /axapi/v3/slb/template/policy/a/forward-policy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

forward-policy attributes

acos-event-log

Description Enable acos event logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}*

filtering

Type: List

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-client-conn-reuse

Description Inspects only first request of a connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

require-web-category

Description Wait for web category to be resolved before taking proxy decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

san-filtering

Type: List

source-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

filtering

Specification	
Type	*list*
Block object keys	

ssli-url-filtering

Description 'bypassed-sni-disable': Disable SNI filtering for bypassed URL's(enabled by default); 'intercepted-sni-enable': Enable SNI filtering for intercepted URL's(disabled by default); 'intercepted-http-disable': Disable HTTP(host/URL) filtering for intercepted URL's(enabled by default); 'no-sni-allow': Allow connection if SNI filtering is enabled and SNI header is not present(Drop by default);

Type: string

Supported Values: bypassed-sni-disable, intercepted-sni-enable, intercepted-http-disable, no-sni-allow

san-filtering

Specification	
Type	*list*
Block object keys	

ssli-url-filtering-san

Description 'enable-san': Enable SAN filtering(disabled by default); 'bypassed-san-disable': Disable SAN filtering for bypassed URL's(enabled by default); 'intercepted-san-enable': Enable SAN filtering for intercepted URL's(disabled by default); 'no-san-allow': Allow connection if SAN filtering is enabled and SAN field is not present(Drop by default);

Type: string

Supported Values: enable-san, bypassed-san-disable, intercepted-san-enable, no-san-allow

action-list

Specification	
Type	*list*
Block object keys	

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url drop-response-code and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

source-list

Specification	
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *source-list_destination*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-list_destination

Specification	
Type	*object*

any

Description: any is a **JSON Block**. Please see below for *source-list_destination_any*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

source-list_destination_class-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-list_destination_class-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

source-list_destination_web-category-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

source-list_destination_web-category-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

source-list_destination_any

Specification	
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-list_destination_any_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

source-list_destination_web-reputation-scope-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/reputation-scope*

source-list_destination_web-reputation-scope-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

source-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

2.92.125 slb template policy forward-policy action

action list

action Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*action-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/action
Element Name	action
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}
Element Attributes	action_attributes
Schema	`action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action

action attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action

action attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/action

action-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/action

action-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

action-list

action-list is **JSON List** of *action attributes*

action-list : [

{ *action attributes* },

{ *action attributes* },

...

]

action attributes

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'forward-to-proxy': Forward request to HTTP proxy server; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url drop-response-code and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of requests matching this destination rule

2.92.126 slb template policy forward-policy source

proxy source list

source Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*source-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source
Element Name	source
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}
Element Attributes	source_attributes
Schema	`source schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source

source attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source

source attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source

source-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source

source-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

source-list

source-list is **JSON List** of *source attributes*

source-list : [

{ *source attributes* },

{ *source attributes* },

...

]

source attributes

destination

Description: destination is a **JSON Block**. Please see below for *destination*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination

Specification	
Type	*object*

any

Description: any is a **JSON Block**. Please see below for *destination_any*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

destination_class-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination_class-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

destination_web-category-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

destination_web-category-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

destination_any

Specification	
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination_any_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

destination_web-reputation-scope-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/reputation-scope*

destination_web-reputation-scope-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

stats data

	Counter	Size	Description
	destination-match-not-found	8	Number of requests without matching destination rule
	hits	8	Number of requests matching this source rule
	no-host-info	8	Failed to parse ip or host information from request

2.92.127 slb template policy forward-policy source destination

proxy destination match rule

destination Specification

Type	*Intermediate Resource*
Element Name	destination
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination
Element Attributes	destination_attributes
Schema	`destination schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination

destination_attributes

destination attributes

any

Description: any is a **JSON Block**. Please see below for *any*

Type: Object

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Refernce Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

class-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

web-category-list-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

web-category-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

any

Specification	
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

any_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

web-reputation-scope-list

Specification	
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/reputation-scope*

web-reputation-scope-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

2.92.128 slb template policy forward-policy source destination any

Default destination match rule

any Specification

Type	*Configuration Resource*
Element Name	any
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any
Element Attributes	any_attributes
Schema	`any schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

any attributes

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of requests matching this destination rule

2.92.129 slb template policy forward-policy source destination class-list

Configure class-list for destination matching

class-list Specification

Type	*Collection*
Object Key(s)	*dest-class-list*
Collection Name	*class-list-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list
Element Name	class-list
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}
Element Attributes	class-list_attributes
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list

class-list attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list

class-list attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list

class-list-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list

class-list-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

class-list-list

class-list-list is **JSON List** of *class-list attributes*

class-list-list : [

{ *class-list attributes* },

{ *class-list attributes* },

...

]

class-list attributes

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': Match URL; 'ip': Match destination IP address;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of requests matching this destination rule

2.92.130 slb template policy forward-policy source destination web-category-list

Configure web-category category-list for destination matching

web-category-list Specification

Type	*Collection*
Object Key(s)	*web-category-list*
Collection Name	*web-category-list-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list
Element Name	web-category-list
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}
Element Attributes	web-category-list_attributes
Schema	`web-category-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list

web-category-list attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list

web-category-list attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list

web-category-list-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list

web-category-list-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

web-category-list-list

web-category-list-list is **JSON List** of *web-category-list attributes*

web-category-list-list : [

{ *web-category-list attributes* },

{ *web-category-list attributes* },

...

]

web-category-list attributes

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of requests matching this destination rule

2.92.131 slb template policy forward-policy source destination web-reputation-scope

Configure web-category reputation-scope for destination matching

web-reputation-scope Specification

Type	*Collection*
Object Key(s)	*web-reputation-scope*
Collection Name	*web-reputation-scope-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope
Element Name	web-reputation-scope
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}
Element Attributes	web-reputation-scope_attributes
Schema	`web-reputation-scope schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope

web-reputation-scope attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope

web-reputation-scope attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope

web-reputation-scope-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope

web-reputation-scope-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

web-reputation-scope-list

web-reputation-scope-list is **JSON List** of *web-reputation-scope attributes*

web-reputation-scope-list : [

{ *web-reputation-scope attributes* },

{ *web-reputation-scope attributes* },

...

]

web-reputation-scope attributes

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

sampling-enable

Type: List

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/reputation-scope*

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

stats data

	Counter	Size	Description
	hits	8	Number of requests matching this destination rule

2.92.132 slb template port

Port template

port Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/template/port
Element Name	port
Element URI	/axapi/v3/slb/template/port/{name}
Element Attributes	port_attributes
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/port

port attributes

```
POST /axapi/v3/slb/template/port/
Payload:
{
    "port": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/port

port attributes

Get Object

GET

/axapi/v3/slb/template/port/{name}

port attributes

```
GET /axapi/v3/slb/template/port/a
Reponse:
{
    "port": {
        "name": "a",
        "conn-limit": 64000000,
        "conn-limit-no-logging": 0,
        "dest-nat": 0,
        "del-session-on-server-down": 0,
        "dynamic-member-priority": 16,
        "decrement": 0,
        "extended-stats": 0,
        "no-ssl": 0,
        "stats-data-action": "stats-data-enable",
        "health-check-disable": 0,
        "inband-health-check": 0,
        "weight": 1,
        "sub-group": 0,
        "slow-start": 0,
        "uuid": "50e82e58-6127-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/port/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/port

port-list

Modify Object

POST

/axapi/v3/slb/template/port/{name}

port attributes

Replace Object

PUT

/axapi/v3/slb/template/port/{name}

port attributes

```
PUT /axapi/v3/slb/template/port/a
Payload:
{
    "port": {
```

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```
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/port

port-list

Delete Object

DELETE

/axapi/v3/slb/template/port/{name}

port attributes

```
DELETE /axapi/v3/slb/template/port/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server port (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-flaps

Description service dampening flaps count (max-flaps allowed in flap period)

Type: number

Range: 1-255

decrement

Description Decrease after every round of DNS query (default is 0)

Type: number

Range: 0-7

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-nat

Description Destination NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down-grace-period

Description Port down grace period

Type: number

Range: 1-86400

down-timer

Description The timer to bring the marked down server/port to up (default is 0, never bring up) (The timer to bring up server (in second, default is 0))

Type: number

Range: 0-255

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

dynamic-member-priority

Description Set dynamic member's priority (Initial priority (default is 16))

Type: number

Range: 1-16

Default: 16

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

flap-period

Description take service out of rotation if max-flaps exceeded within time in seconds

Type: number

Range: 1-255

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

inband-health-check

Description Use inband traffic to detect port's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

name

Description Port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reassign

Description Maximum reassign times before declear the server/port down (default is 25) (The maximum reassign number)

Type: number

Range: 0-255

Default: 25

request-rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

request-rate-limit

Description Request rate limit

Type: number

Range: 1-1048575

request-rate-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resel-on-reset

Description When receiving reset from server, do the server/port reselection (default is 0, don't do reselection)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restore-svc-time

Description put the service back to the rotation after time in seconds

Type: number

Range: 1-4095

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

retry

Description Maximum retry times before reassign this connection to another server/port (default is 2) (The maximum retry number)

Type: number

Range: 0-7

Default: 2

shared-partition-pool

Description Reference a NAT pool or pool-group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and source-nat are mutually exclusive

slow-start

Description Slowly ramp up the connection number after port is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-nat

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: source-nat and shared-partition-pool are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

sub-group

Description Divide service group members into different sub groups (Sub group ID (default is 0))

Type: number

Range: 0-15

Default: 0

template-port-pool-shared

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight (port weight)

Type: number

Range: 1-1000

Default: 1

2.92.133 slb template reqmod-icap

REQMOD ICAP template

reqmod-icap Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*reqmod-icap-list*
Collection URI	/axapi/v3/slb/template/reqmod-icap
Element Name	reqmod-icap
Element URI	/axapi/v3/slb/template/reqmod-icap/{name}
Element Attributes	reqmod-icap_attributes
Schema	`reqmod-icap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/reqmod-icap

reqmod-icap attributes

```
POST /axapi/v3/slb/template/reqmod-icap/
Payload:
{
    "reqmod-icap": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/reqmod-icap

reqmod-icap attributes

Get Object

GET

/axapi/v3/slb/template/reqmod-icap/{name}

reqmod-icap attributes

```
GET /axapi/v3/slb/template/reqmod-icap/a
Reponse:
{
    "reqmod-icap": {
        "name": "a",
        "include-protocol-in-uri": 0,
        "fail-close": 0,
        "min-payload-size": 0,
        "preview": 32768,
        "disable-http-server-reset": 0,
```

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```
        "x-auth-url": 0,
        "log-only-allowed-method": 0,
        "uuid": "ea6a0d94-6127-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/reqmod-icap/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/reqmod-icap

reqmod-icap-list

Modify Object

POST

/axapi/v3/slb/template/reqmod-icap/{name}

reqmod-icap attributes

Replace Object

PUT

/axapi/v3/slb/template/reqmod-icap/{name}

reqmod-icap attributes

```
PUT /axapi/v3/slb/template/reqmod-icap/a
Payload:
{
    "reqmod-icap": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/reqmod-icap

reqmod-icap-list

Delete Object

DELETE

/axapi/v3/slb/template/reqmod-icap/{name}

reqmod-icap attributes

```
DELETE /axapi/v3/slb/template/reqmod-icap/a
Reponse:
{
    "response": {
```

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```
        "status": "OK"
    }
}
```

reqmod-icap-list

reqmod-icap-list is **JSON List** of *reqmod-icap attributes*

reqmod-icap-list : [

{ *reqmod-icap attributes* },

{ *reqmod-icap attributes* },

...

]

reqmod-icap attributes

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

allowed-http-methods

Description List of allowed HTTP methods. Default is "Allow All". (List of HTTP methods allowed (default "Allow All"))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 1 - 65536, default is 4096

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass reqmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

2.92.134 slb template respmod-icap

RESPMOD ICAP template

respmod-icap Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*respmod-icap-list*
Collection URI	/axapi/v3/slb/template/respmod-icap
Element Name	respmod-icap
Element URI	/axapi/v3/slb/template/respmod-icap/{name}
Element Attributes	respmod-icap_attributes
Schema	`respmod-icap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/respmod-icap

respmod-icap attributes

```
POST /axapi/v3/slb/template/respmod-icap/
Payload:
{
    "respmod-icap": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/respmod-icap

respmod-icap attributes

Get Object

GET

/axapi/v3/slb/template/respmod-icap/{name}

respmod-icap attributes

```
GET /axapi/v3/slb/template/respmod-icap/a
Reponse:
{
    "respmod-icap": {
        "name": "a",
```

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```
        "include-protocol-in-uri": 0,
        "fail-close": 0,
        "min-payload-size": 0,
        "preview": 32768,
        "disable-http-server-reset": 0,
        "x-auth-url": 0,
        "log-only-allowed-method": 0,
        "uuid": "289f0dee-6128-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/respmod-icap/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/respmod-icap

respmod-icap-list

Modify Object

POST

/axapi/v3/slb/template/respmod-icap/{name}

respmod-icap attributes

Replace Object

PUT

/axapi/v3/slb/template/respmod-icap/{name}

respmod-icap attributes

```
PUT /axapi/v3/slb/template/respmod-icap/a
Payload:
{
    "respmod-icap": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/respmod-icap

respmod-icap-list

Delete Object

DELETE

/axapi/v3/slb/template/respmod-icap/{name}

respmod-icap attributes

```
DELETE /axapi/v3/slb/template/respmod-icap/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

respmod-icap-list

respmod-icap-list is **JSON List** of *respmod-icap attributes*

respmod-icap-list : [

{ *respmod-icap attributes* },

{ *respmod-icap attributes* },

...

]

respmod-icap attributes

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 1 - 65536, default is 4096

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP proxy template (TCP proxy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-ip-cfg

Specification	
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass respmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

2.92.135 slb template server

Server template

server Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-list*
Collection URI	/axapi/v3/slb/template/server
Element Name	server
Element URI	/axapi/v3/slb/template/server/{name}
Element Attributes	server_attributes
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server

server attributes

```
POST /axapi/v3/slb/template/server/
Payload:
{
    "server": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/server

server attributes

Get Object

GET

/axapi/v3/slb/template/server/{name}

server attributes

```
GET /axapi/v3/slb/template/server/a
Reponse:
{
    "server": {
        "name": "a",
```

(continues on next page)

(continued from previous page)

```
        "conn-limit": 64000000,
        "conn-limit-no-logging": 0,
        "dns-query-interval": 10,
        "dns-fail-interval": 30,
        "dynamic-server-prefix": "DRS",
        "extended-stats": 0,
        "log-selection-failure": 0,
        "health-check-disable": 0,
        "max-dynamic-server": 255,
        "min-ttl-ratio": 2,
        "weight": 1,
        "spoofing-cache": 0,
        "stats-data-action": "stats-data-enable",
        "slow-start": 0,
        "bw-rate-limit-acct": "all",
        "uuid": "6b3d0318-6128-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/server/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/server

server-list

Modify Object

POST

/axapi/v3/slb/template/server/{name}

server attributes

Replace Object

PUT

/axapi/v3/slb/template/server/{name}

server attributes

```
PUT /axapi/v3/slb/template/server/a
Payload:
{
    "server": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/server

server-list

Delete Object

DELETE

/axapi/v3/slb/template/server/{name}

server attributes

```
DELETE /axapi/v3/slb/template/server/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

...

]

server attributes

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-acct

Description 'to-server-only': Only account for traffic sent to server; 'from-server-only': Only account for traffic received from server; 'all': Account for all traffic sent to and received from server;

Type: string

Supported Values: to-server-only, from-server-only, all

Default: all

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-fail-interval

Description The interval to retry when DNS failed to query (DNS failure interval (in second, default is 30))

Type: number

Range: 0-1800

Default: 30

dns-query-interval

Description The interval to query DNS server for the hostname (DNS query interval (in minute, default is 10))

Type: number

Range: 1-1440

Default: 10

dynamic-server-prefix

Description Prefix of dynamic server (Prefix of dynamic server (default is "DRS"))

Type: string

Maximum Length: 3 characters

Maximum Length: 1 characters

Default: DRS

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Refernce Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

log-selection-failure

Description Enable real-time logging for server selection failure event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-dynamic-server

Description Maximum dynamic server number (Maximum dynamic server number (default is 255))

Type: number

Range: 1-1023

Default: 255

min-ttl-ratio

Description Minimum TTL to DNS query interval ratio (Minimum TTL ratio (default is 2))

Type: number

Range: 1-15

Default: 2

name

Description Server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

slow-start

Description Slowly ramp up the connection number after server is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description Servers under the template are spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for the Real Servers (Connection Weight)

Type: number

Range: 1-1000

Default: 1

2.92.136 slb template server-ssh

Server Side SSH Template

server-ssh Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-ssh-list*
Collection URI	/axapi/v3/slb/template/server-ssh
Element Name	server-ssh
Element URI	/axapi/v3/slb/template/server-ssh/{name}
Element Attributes	server-ssh_attributes
Schema	`server-ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server-ssh

server-ssh attributes

Create List

POST

/axapi/v3/slb/template/server-ssh

server-ssh attributes

Get Object

GET

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

Get List

GET

/axapi/v3/slb/template/server-ssh

server-ssh-list

Modify Object

POST

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

Replace Object

PUT

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

Replace List

PUT

/axapi/v3/slb/template/server-ssh

server-ssh-list

Delete Object

DELETE

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

server-ssh-list

server-ssh-list is **JSON List** of *server-ssh attributes*

server-ssh-list : [

{ *server-ssh attributes* },

{ *server-ssh attributes* },

...

]

server-ssh attributes

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'successful_handshakes': successful_handshakes; 'failed_handshakes': failed_handshakes; 'forwarding_errors': forwarding_errors;

Type: string

Supported Values: all, successful_handshakes, failed_handshakes, forwarding_errors

stats data

	Counter	Size	Description
	forward-ing_errors	8	forwarding_errors
	success-ful_handshakes	8	successful_handshakes
	failed_handshakes	8	failed_handshakes

2.92.137 slb template server-ssl

Server Side SSL Template

server-ssl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-ssl-list*
Collection URI	/axapi/v3/slb/template/server-ssl
Element Name	server-ssl
Element URI	/axapi/v3/slb/template/server-ssl/{name}
Element Attributes	server-ssl_attributes
Schema	`server-ssl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server-ssl

server-ssl attributes

Create List

POST

/axapi/v3/slb/template/server-ssl

server-ssl attributes

Get Object

GET

/axapi/v3/slb/template/server-ssl/{name}

server-ssl attributes

Get List

GET

/axapi/v3/slb/template/server-ssl

server-ssl-list

Modify Object

POST

/axapi/v3/slb/template/server-ssl/{name}

server-ssl attributes

Replace Object

PUT

/axapi/v3/slb/template/server-ssl/{name}

server-ssl attributes

Replace List

PUT

/axapi/v3/slb/template/server-ssl

server-ssl-list

Delete Object

DELETE

/axapi/v3/slb/template/server-ssl/{name}

server-ssl attributes

server-ssl-list

server-ssl-list is **JSON List** of *server-ssl attributes*

server-ssl-list : [

{ *server-ssl attributes* },

{ *server-ssl attributes* },

...

]

server-ssl attributes

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

ca-certs

Type: List

certificate

Description: certificate is a **JSON Block**. Please see below for *certificate*

Type: Object

Refernce Object: */axapi/v3/slb/template/server-ssl/{name}/certificate*

cipher-template

Description Cipher Template (Cipher Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: cipher-template cipher-wo-prio and shared-partition-cipher-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cipher*

cipher-without-prio-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ocsp-stapling

Description Enable ocsp-stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-certificate-error

Type: List

server-name

Description Specify Server Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

session-cache-size

Description Session Cache Size (Specify 0 to disable Session ID reuse.)

Type: number

Range: 0-128

Default: 0

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds)

Type: number

Range: 1-7200

session-ticket-enable

Description Enable server side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template cipher-wo-prio and cipher-template are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cipher*

use-client-sni

Description use client SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1 and 33-TLSv1.2)

Type: number

Range: 30-34

Default: 33

crl-certs

Specification	
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-partition-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

certificate

Specification	
Type	*object*

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key

Description Client private-key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Client Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ec-list

Specification	
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1

server-certificate-error

Specification	
Type	*list*
Block object keys	

error-type

Description 'email': Notify the error via email; 'ignore': Ignore the error, which mean the connection can continue; 'logging': Log the error; 'trap': Notify the error by SNMP trap;

Type: string

Supported Values: email, ignore, logging, trap

ca-certs

Specification	
Type	*list*
Block object keys	

ca-cert

Description Specify CA certificate

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-cert-partition-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/service-group*

server-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp*

cipher-without-prio-list

Specification	
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': SSL3_RSA_DES_192_CBC3_SHA; 'SSL3_RSA_RC4_128_MD5': SSL3_RSA_RC4_128_MD5; 'SSL3_RSA_RC4_128_SHA': SSL3_RSA_RC4_128_SHA; 'TLS1_RSA_AES_128_SHA': TLS1_RSA_AES_128_SHA; 'TLS1_RSA_AES_256_SHA': TLS1_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_SHA256': TLS1_RSA_AES_128_SHA256; 'TLS1_RSA_AES_256_SHA256': TLS1_RSA_AES_256_SHA256; 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS1_DHE_RSA_AES_128_GCM_SHA256; 'TLS1_DHE_RSA_AES_128_SHA': TLS1_DHE_RSA_AES_128_SHA; 'TLS1_DHE_RSA_AES_128_SHA256': TLS1_DHE_RSA_AES_128_SHA256; 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS1_DHE_RSA_AES_256_GCM_SHA384; 'TLS1_DHE_RSA_AES_256_SHA': TLS1_DHE_RSA_AES_256_SHA; 'TLS1_DHE_RSA_AES_256_SHA256': TLS1_DHE_RSA_AES_256_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS1_ECDHE_ECDSA_AES_128_SHA; 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS1_ECDHE_ECDSA_AES_128_SHA256; 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS1_ECDHE_ECDSA_AES_256_SHA; 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS1_ECDHE_RSA_AES_128_GCM_SHA256; 'TLS1_ECDHE_RSA_AES_128_SHA': TLS1_ECDHE_RSA_AES_128_SHA; 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS1_ECDHE_RSA_AES_128_SHA256; 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS1_ECDHE_RSA_AES_256_GCM_SHA384; 'TLS1_ECDHE_RSA_AES_256_SHA': TLS1_ECDHE_RSA_AES_256_SHA; 'TLS1_RSA_AES_128_GCM_SHA256': TLS1_RSA_AES_128_GCM_SHA256; 'TLS1_RSA_AES_256_GCM_SHA384': TLS1_RSA_AES_256_GCM_SHA384;

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio cipher-template and shared-partition-cipher-template are mutually exclusive

2.92.138 slb template server-ssl certificate

Server Certificate

certificate Specification

Type	*Configuration Resource*
Element Name	certificate
Element URI	/axapi/v3/slb/template/server-ssl/{name}/certificate
Element Attributes	certificate_attributes
Schema	`certificate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

Get Object

GET

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

Modify Object

POST

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

Replace Object

PUT

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

Delete Object

DELETE

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

certificate attributes

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key

Description Client private-key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

shared

Description Client Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.139 slb template sip

SIP Template

sip Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*sip-list*
Collection URI	/axapi/v3/slb/template/sip
Element Name	sip
Element URI	/axapi/v3/slb/template/sip/{name}
Element Attributes	sip_attributes
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/sip

sip attributes

```
POST /axapi/v3/slb/template/sip/
Payload:
{
    "sip": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/sip

sip attributes

Get Object

GET

/axapi/v3/slb/template/sip/{name}

sip attributes

```
GET /axapi/v3/slb/template/sip/a
Reponse:
{
    "sip": {
        "name": "a",
```

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```
        "alg-source-nat": 0,
        "alg-dest-nat": 0,
        "call-id-persist-disable": 0,
        "client-keep-alive": 0,
        "pstn-gw": "pstn",
        "failed-client-selection": 0,
        "failed-server-selection": 0,
        "insert-client-ip": 0,
        "keep-server-ip-if-match-acl": 0,
        "server-keep-alive": 0,
        "smp-call-id-rtp-session": 0,
        "server-selection-per-request": 0,
        "timeout": 30,
        "dialog-aware": 0,
        "uuid": "8297f620-6129-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/sip/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/sip

sip-list

Modify Object

POST

/axapi/v3/slb/template/sip/{name}

sip attributes

Replace Object

PUT

/axapi/v3/slb/template/sip/{name}

sip attributes

```
PUT /axapi/v3/slb/template/sip/a
Payload:
{
    "sip": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/sip

sip-list

Delete Object

DELETE

/axapi/v3/slb/template/sip/{name}

sip attributes

```
DELETE /axapi/v3/slb/template/sip/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

sip-list

sip-list is **JSON List** of *sip attributes*

sip-list : [

{ *sip attributes* },

{ *sip attributes* },

...

]

sip attributes

acl-id

Description ACL id

Type: number

Range: 100-199

Mutual Exclusion: acl-id and acl-name-value are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-name-value

Description IPv4 Access List Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-value and acl-id are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

alg-dest-nat

Description Translate VIP to real server IP in SIP message when destination NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alg-source-nat

Description Translate source IP to NAT IP in SIP message when source NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

call-id-persist-disable

Description Disable call-ID persistence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-keep-alive

Description Respond client keep-alive packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header

Type: List

client-response-header

Type: List

dialog-aware

Description Permit system processes dialog session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-when-client-fail

Description Drop current SIP message when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-client-fail and failed-client-selection-message are mutually exclusive

drop-when-server-fail

Description Drop current SIP message when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-server-fail and failed-server-selection-message are mutually exclusive

exclude-translation

Type: List

failed-client-selection

Description Define action when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-client-selection-message

Description Send SIP message (includs status code) to server when select client fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-client-selection-message and drop-when-client-fail are mutually exclusive

failed-server-selection

Description Define action when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-server-selection-message

Description Send SIP message (includs status code) to client when select server fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-server-selection-message and drop-when-server-fail are mutually exclusive

insert-client-ip

Description Insert Client IP address into SIP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description The interval of keep-alive packet for each persist connection (second)

Type: number

Range: 5-300

Default: 30

keep-server-ip-if-match-acl

Description Use Real Server IP for addresses matching the ACL for a Call-Id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pstn-gw

Description configure pstn gw host name for tel: uri translate to sip: uri (Hostname String, default is "pstn")

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: pstn

server-keep-alive

Description Send server keep-alive packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header

Type: List

server-response-header

Type: List

server-selection-per-request

Description Force server selection on every SIP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

smp-call-id-rtp-session

Description Create the across cpu call-id rtp session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Time in minutes

Type: number

Range: 1-250

Default: 30

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-request-header

Specification	
Type	*list*
Block object keys	

insert-condition-server-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-request-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-response-header

Specification	
Type	*list*
Block object keys	

insert-condition-server-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-response-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-request-header

Specification	
Type	*list*
Block object keys	

client-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-request-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

client-response-header

Specification	
Type	*list*
Block object keys	

client-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-response-header-insert

Description Insert a SIP header (Header Content (Format: "name: value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

exclude-translation

Specification	
Type	*list*
Block object keys	

header-string

Description SIP header name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

translation-value

Description 'start-line': SIP request line or status line; 'header': SIP message headers; 'body': SIP message body;

Type: string

Supported Values: start-line, header, body

2.92.140 slb template smpp

SMPP template

smpp Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*smpp-list*
Collection URI	/axapi/v3/slb/template/smpp
Element Name	smpp
Element URI	/axapi/v3/slb/template/smpp/{name}
Element Attributes	smpp_attributes
Schema	`smpp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/smpp

smpp attributes

```
POST /axapi/v3/slb/template/smpp/
Payload:
{
    "smpp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/smpp

smpp attributes

Get Object

GET

/axapi/v3/slb/template/smpp/{name}

smpp attributes

```
GET /axapi/v3/slb/template/smpp/a
Reponse:
{
    "smpp": {
        "name": "a",
        "client-enquire-link": 0,
        "server-enquire-link": 0,
        "server-selection-per-request": 0,
        "uuid": "fc7fe84e-6129-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/smpp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/smpp

smpp-list

Modify Object

POST

/axapi/v3/slb/template/smpp/{name}

smpp attributes

Replace Object

PUT

/axapi/v3/slb/template/smpp/{name}

smpp attributes

```
PUT /axapi/v3/slb/template/smpp/a
Payload:
{
    "smpp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/smpp

smpp-list

Delete Object

DELETE

/axapi/v3/slb/template/smpp/{name}

smpp attributes

```
DELETE /axapi/v3/slb/template/smpp/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

smpp-list

smpp-list is **JSON List** of *smpp attributes*

smpp-list : [

{ *smpp attributes* },

{ *smpp attributes* },

...

]

smpp attributes

client-enquire-link

Description Respond client ENQUIRE_LINK packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password

Description Configure the password used to bind

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-enquire-link

Description Send server ENQUIRE_LINK packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-enquire-link-val

Description Set interval of keep-alive packet for each persistent connection (second, default is 30)

Type: number

Range: 5-300

Default: 30

server-selection-per-request

Description Force server selection on every SMPP request when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user

Description Configure the user to bind (The name used to bind)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.141 slb template smtp

SMTP

smtp Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*smtp-list*
Collection URI	/axapi/v3/slb/template/smtp
Element Name	smtp
Element URI	/axapi/v3/slb/template/smtp/{name}
Element Attributes	smtp_attributes
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/smtp

smtp attributes

```
POST /axapi/v3/slb/template/smtp/
Payload:
{
    "smtp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/smtp

smtp attributes

Get Object

GET

/axapi/v3/slb/template/smtp/{name}

smtp attributes

```
GET /axapi/v3/slb/template/smtp/a
Reponse:
{
    "smtp": {
        "name": "a",
        "server-domain": "mail-server-domain",
        "service-ready-msg": "ESMTP mail service ready",
        "LF-to-CRLF": 0,
        "error-code-to-client": 0,
        "uuid": "1d64b0bc-612a-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/smtp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/smtp

smtp-list

Modify Object

POST

/axapi/v3/slb/template/smtp/{name}

smtp attributes

Replace Object

PUT

/axapi/v3/slb/template/smtp/{name}

smtp attributes

```
PUT /axapi/v3/slb/template/smtp/a
Payload:
{
    "smtp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/smtp

smtp-list

Delete Object

DELETE

/axapi/v3/slb/template/smtp/{name}

smtp attributes

```
DELETE /axapi/v3/slb/template/smtp/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

smtp-list

smtp-list is **JSON List** of *smtp attributes*

smtp-list : [

{ *smtp attributes* },

{ *smtp attributes* },

...

]

smtp attributes

LF-to-CRLF

Description Change the LF to CRLF for smtp end of line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-domain-switching

Type: List

client-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue START-TLS command before mail transaction;

Type: string

Supported Values: optional, enforced

command-disable

Type: List

error-code-to-client

Description Would transfer error code(554) to client, when getting it from connection establishing with real-server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-domain

Description Config the domain of the email servers (Server's domain, default is "mail-server-domain")

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

Default: mail-server-domain

server-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before mail transaction;

Type: string

Supported Values: optional, enforced

service-ready-msg

Description Set SMTP service ready message (SMTP service ready message, default is "ESMTP mail service ready")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: ESMTP mail service ready

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-domain-switching

Specification	
Type	*list*
Block object keys	

match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group

Description Select service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

switching-type

Description 'contains': Specify domain name string if domain contains another string; 'ends-with': Specify domain name string if domain ends with another string; 'starts-with': Specify domain string if domain starts with another string;

Type: string

Supported Values: contains, ends-with, starts-with

template

Specification	
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

command-disable

Specification	
Type	*list*
Block object keys	

disable-type

Description 'expn': Disable SMTP EXPN commands; 'turn': Disable SMTP TURN commands; 'vrfy': Disable SMTP VRFY commands;

Type: string

Supported Values: expn, turn, vrfy

2.92.142 slb template ssli

SSL insight template

ssli Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*ssli-list*
Collection URI	/axapi/v3/slb/template/ssli
Element Name	ssli
Element URI	/axapi/v3/slb/template/ssli/{name}
Element Attributes	ssli_attributes
Schema	`ssli schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/ssli

ssli attributes

```
POST /axapi/v3/slb/template/ssli/
Payload:
{
    "ssli": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/ssli

ssli attributes

Get Object

GET

/axapi/v3/slb/template/ssli/{name}

ssli attributes

```
GET /axapi/v3/slb/template/ssli/a
Reponse:
{
    "ssli": {
        "name": "a",
        "type": "http",
        "uuid": "538bce5a-612a-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/ssli/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/ssli

ssli-list

Modify Object

POST

/axapi/v3/slb/template/ssli/{name}

ssli attributes

Replace Object

PUT

/axapi/v3/slb/template/ssli/{name}

ssli attributes

```
PUT /axapi/v3/slb/template/ssli/a
Payload:
{
    "ssli": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/ssli

ssli-list

Delete Object

DELETE

/axapi/v3/slb/template/ssli/{name}

ssli attributes

```
DELETE /axapi/v3/slb/template/ssli/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ssli-list

ssli-list is **JSON List** of *ssli attributes*

ssli-list : [

{ *ssli attributes* },

{ *ssli attributes* },

...

]

ssli attributes

name

Description SSLi Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'http': HTTP service; 'xmpp': XMPP service; 'smtp': SMTP service; 'pop': POP service;

Type: string

Supported Values: http, xmpp, smtp, pop, ldap, ftp

Default: http

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.143 slb template tcp

L4 TCP switch config

tcp Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*tcp-list*
Collection URI	/axapi/v3/slb/template/tcp
Element Name	tcp
Element URI	/axapi/v3/slb/template/tcp/{name}
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/tcp

tcp attributes

```
POST /axapi/v3/slb/template/tcp/
Payload:
{
    "tcp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/tcp

tcp attributes

Get Object

GET

/axapi/v3/slb/template/tcp/{name}

tcp attributes

```
GET /axapi/v3/slb/template/tcp/a
Reponse:
{
    "tcp": {
        "name": "a",
        "idle-timeout": 120,
        "insert-client-ip": 0,
        "lan-fast-ack": 0,
        "reset-fwd": 0,
        "reset-rev": 0,
        "reset-follow-fin": 0,
        "re-select-if-server-down": 0,
        "del-session-on-server-down": 0,
        "uuid": "834dc86e-612a-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/tcp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/tcp

tcp-list

Modify Object

POST

/axapi/v3/slb/template/tcp/{name}

tcp attributes

Replace Object

PUT

/axapi/v3/slb/template/tcp/{name}

tcp attributes

```
PUT /axapi/v3/slb/template/tcp/a
Payload:
{
    "tcp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/tcp

tcp-list

Delete Object

DELETE

/axapi/v3/slb/template/tcp/{name}

tcp attributes

```
DELETE /axapi/v3/slb/template/tcp/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp-list

tcp-list is **JSON List** of *tcp attributes*

tcp-list : [

{ *tcp attributes* },

{ *tcp attributes* },

...

]

tcp attributes

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

force-delete-timeout

Description The maximum time that a session can stay in the system before being delete (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being delete (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default off (half close idle timeout in second, default off)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default off (half open idle timeout in second, default off)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout value (Interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

initial-window-size

Description Set the initial window size (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lan-fast-ack

Description Enable fast TCP ack on LAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description Fast TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-follow-fin

Description send reset to client or server upon receiving first fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.144 slb template tcp-proxy

TCP Proxy

tcp-proxy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*tcp-proxy-list*
Collection URI	/axapi/v3/slb/template/tcp-proxy
Element Name	tcp-proxy
Element URI	/axapi/v3/slb/template/tcp-proxy/{name}
Element Attributes	tcp-proxy_attributes
Schema	`tcp-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/tcp-proxy

tcp-proxy attributes

```
POST /axapi/v3/slb/template/tcp-proxy/
Payload:
{
    "tcp-proxy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/tcp-proxy

tcp-proxy attributes

Get Object

GET

/axapi/v3/slb/template/tcp-proxy/{name}

tcp-proxy attributes

```
GET /axapi/v3/slb/template/tcp-proxy/a
Reponse:
{
    "tcp-proxy": {
        "name": "a",
        "ack-aggressiveness": "low",
        "dynamic-buffer-allocation": 0,
        "idle-timeout": 600,
        "init-cwnd": 10,
        "mss": 1460,
        "psh-flag-optimization": 0,
        "nagle": 0,
        "receive-buffer": 200000,
        "reno": 0,
        "transmit-buffer": 200000,
        "reset-fwd": 0,
        "reset-rev": 0,
        "del-session-on-server-down": 0,
        "retransmit-retries": 5,
        "insert-client-ip": 0,
        "syn-retries": 5,
        "timewait": 5,
        "disable-tcp-timestamps": 0,
        "disable-window-scale": 0,
        "disable-sack": 0,
        "invalid-rate-limit": 500,
        "disable-abc": 0,
        "reassembly-timeout": 30,
        "reassembly-limit": 25,
        "min-rto": 200,
        "limited-slowstart": 0,
        "early-retransmit": 0,
        "maxburst": 25,
        "uuid": "c43cf728-612a-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/tcp-proxy/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/tcp-proxy

tcp-proxy-list

Modify Object

POST

/axapi/v3/slb/template/tcp-proxy/{name}

tcp-proxy attributes

Replace Object

PUT

/axapi/v3/slb/template/tcp-proxy/{name}

tcp-proxy attributes

```
PUT /axapi/v3/slb/template/tcp-proxy/a
Payload:
{
    "tcp-proxy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/tcp-proxy

tcp-proxy-list

Delete Object

DELETE

/axapi/v3/slb/template/tcp-proxy/{name}

tcp-proxy attributes

```
DELETE /axapi/v3/slb/template/tcp-proxy/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp-proxy-list

tcp-proxy-list is **JSON List** of *tcp-proxy attributes*

tcp-proxy-list : [

{ *tcp-proxy attributes* },

{ *tcp-proxy attributes* },

...

]

tcp-proxy attributes

ack-aggressiveness

Description 'low': Delayed ACK; 'medium': Delayed ACK, with ACK on each packet with PUSH flag; 'high': ACK on each packet;

Type: string

Supported Values: low, medium, high

Default: low

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backend-wscale

Description The TCP window scale used for the server side, default is off (number)

Type: number

Range: 1-14

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

disable-abc

Description Appropriate Byte Counting RFC 3465 Disabled, default is enabled (Appropriate Byte Counting (ABC) is enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sack

Description disable Selective Ack Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-tcp-timestamps

Description disable TCP Timestamps Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-window-scale

Description disable TCP Window-Scale Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

dynamic-buffer-allocation

Description Optimally adjust the transmit and receive buffer sizes of TCP proxy while keeping their sum constant

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-retransmit

Description Configure the Early-Retransmit Algorithm (RFC 5827) (Early-Retransmit is disabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin-timeout

Description FIN timeout (sec), default is 5 (number)

Type: number

Range: 1-60

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout (Interval of 60 seconds), default is 600 (idle timeout in second, default 600)

Type: number

Range: 1-2097151

Default: 600

init-cwnd

Description The initial congestion control window size (packets), default is 10 (number)

Type: number

Range: 1-15

Default: 10

initial-window-size

Description Set the initial window size, default is off (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-rate-limit

Description Invalid Packet Response Rate Limit (ms), default is 500 (number default 500 challenges)

Type: number

Range: 0-60000000

Default: 500

keepalive-interval

Description Interval between keepalive probes (sec), default is off (number)

Type: number

Range: 60-12000

keepalive-probes

Description Number of keepalive probes sent, default is off

Type: number

Range: 2-10

limited-slowstart

Description RFC 3742 Limited Slow-Start for TCP with Large Congestion Windows (number)

Type: number

Range: 0-2147483647

Default: 0

maxburst

Description The max packet count sent per transmission event (number)

Type: number

Range: 1-100

Default: 25

min-rto

Description The minmum retransmission timeout, default is 200ms (number)

Type: number

Range: 100-1000

Default: 200

mss

Description Responding MSS to use if client MSS is large, default is off (number)

Type: number

Range: 128-9000

Default: 1460

nagle

Description Enable Nagle Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *proxy-header*

Type: Object

psh-flag-optimization

Description Enable Optimized PSH Flag Use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qos

Description QOS level (number)

Type: number

Range: 1-63

reassembly-limit

Description The reassembly queuing limit, default is 25 segments (number)

Type: number

Range: 1-500

Default: 25

reassembly-timeout

Description The reassembly timeout, default is 30sec (number)

Type: number

Range: 1-300

Default: 30

receive-buffer

Description TCP Receive Buffer (default 200k) (number)

Type: number

Range: 1-2147483647

Default: 200000

reno

Description Enable Reno Congestion Control Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-retries

Description Number of Retries for Retransmit, default is 5

Type: number

Range: 1-20

Default: 5

server-down-action

Description 'FIN': FIN Connection; 'RST': Reset Connection;

Type: string

Supported Values: FIN, RST

syn-retries

Description SYN Retry Numbers, default is 5

Type: number

Range: 1-20

Default: 5

timewait

Description Timewait Threshold (sec), default 5 (number)

Type: number

Range: 1-60

Default: 5

transmit-buffer

Description TCP Transmit Buffer (default 200k) (number)

Type: number

Range: 1-2147483647

Default: 200000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy-header

Specification	
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

2.92.145 slb template udp

L4 UDP switch config

udp Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*udp-list*
Collection URI	/axapi/v3/slb/template/udp
Element Name	udp
Element URI	/axapi/v3/slb/template/udp/{name}
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/udp

udp attributes

```
POST /axapi/v3/slb/template/udp/
Payload:
{
    "udp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/udp

udp attributes

Get Object

GET

/axapi/v3/slb/template/udp/{name}

udp attributes

```
GET /axapi/v3/slb/template/udp/a
Reponse:
{
    "udp": {
        "name": "a",
```

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```
        "idle-timeout": 120,
        "stateless-conn-timeout": 120,
        "immediate": 0,
        "re-select-if-server-down": 0,
        "uuid": "450674ba-612b-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/udp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/udp

udp-list

Modify Object

POST

/axapi/v3/slb/template/udp/{name}

udp attributes

Replace Object

PUT

/axapi/v3/slb/template/udp/{name}

udp attributes

```
PUT /axapi/v3/slb/template/udp/a
Payload:
{
    "udp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/udp

udp-list

Delete Object

DELETE

/axapi/v3/slb/template/udp/{name}

udp attributes

```
DELETE /axapi/v3/slb/template/udp/a
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

udp-list

udp-list is **JSON List** of *udp attributes*

udp-list : [

{ *udp attributes* },

{ *udp attributes* },

...

]

udp attributes

age

Description short age (in sec), default is 31

Type: number

Range: 1-31

avp

Description '4': NAS-IP-address; '8': Framed-IP-Address;

Type: string

Supported Values: 4, 8

disable-clear-session

Description Disable immediate clearing of session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description Idle Timeout value (Interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

immediate

Description Immediate Removal after Transaction

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: immediate and short are mutually exclusive

name

Description Fast UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

radius-lb-method-hash-type

Description 'ip': IP-Hash;

Type: string

Supported Values: ip

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

short

Description Short lived session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: short and immediate are mutually exclusive

stateless-conn-timeout

Description Stateless Current Connection Timeout value (5 - 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 5-120

Default: 120

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.146 slb template virtual-port

Virtual port template

virtual-port Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*virtual-port-list*
Collection URI	/axapi/v3/slb/template/virtual-port
Element Name	virtual-port
Element URI	/axapi/v3/slb/template/virtual-port/{name}
Element Attributes	virtual-port_attributes
Schema	`virtual-port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/virtual-port

virtual-port attributes

```
POST /axapi/v3/slb/template/virtual-port/
Payload:
{
    "virtual-port": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/virtual-port

virtual-port attributes

Get Object

GET

/axapi/v3/slb/template/virtual-port/{name}

virtual-port attributes

```
GET /axapi/v3/slb/template/virtual-port/a
Reponse:
{
    "virtual-port": {
        "name": "a",
        "aflow": 0,
        "allow-syn-otherflags": 0,
        "conn-limit": 64000000,
        "conn-limit-reset": 0,
        "conn-limit-no-logging": 0,
        "allow-vip-to-rport-mapping": 0,
        "drop-unknown-conn": 0,
        "reset-unknown-conn": 0,
        "reset-l7-on-failover": 0,
        "ignore-tcp-msl": 0,
        "snat-port-preserve": 0,
        "non-syn-initiation": 0,
        "uuid": "707a17fa-612b-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/virtual-port/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/virtual-port

virtual-port-list

Modify Object

POST

/axapi/v3/slb/template/virtual-port/{name}

virtual-port attributes

Replace Object

PUT

/axapi/v3/slb/template/virtual-port/{name}

virtual-port attributes

```
PUT /axapi/v3/slb/template/virtual-port/a
Payload:
{
    "virtual-port": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/virtual-port

virtual-port-list

Delete Object

DELETE

/axapi/v3/slb/template/virtual-port/{name}

virtual-port attributes

```
DELETE /axapi/v3/slb/template/virtual-port/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

virtual-port-list

virtual-port-list is **JSON List** of *virtual-port attributes*

virtual-port-list : [

{ *virtual-port attributes* },

{ *virtual-port attributes* },

...

]

virtual-port attributes

aflow

Description Use aFlow to eliminate the traffic surge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-syn-otherflags

Description Allow initial SYN packet with other flags

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-vip-to-rport-mapping

Description Allow mapping of VIP to real port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-unknown-conn

Description Drop conection if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-options

Description 'no-logging': Do not log over limit event; 'no-repeat-logging': log once for over limit event. Default is log once per minute;

Type: string

Supported Values: no-logging, no-repeat-logging

name

Description Virtual port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

non-syn-initiation

Description Allow initial TCP packet to be non-SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-interval

Description '100ms': Source IP and port rate limit per 100ms; 'second': Source IP and port rate limit per second (default);

Type: string

Supported Values: 100ms, second

Default: second

pkt-rate-limit-reset

Description send client-side reset (reset after packet limit)

Type: number

Range: 0-1048575

Default: 0

pkt-rate-type

Description 'src-ip-port': Source IP and port rate limit; 'src-port': Source port rate limit;

Type: string

Supported Values: src-ip-port, src-port

rate

Description Source IP and port rate limit (Packet rate limit)

Type: number

Range: 1-1048575

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reset-l7-on-failover

Description Send reset to L7 client and server connection upon a failover

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-unknown-conn

Description Send reset back if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-msl

Description Source NAT MSL (Source NAT MSL value)

Type: number

Range: 1-1800

snat-port-preserve

Description Source NAT Port Preservation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

when-rr-enable

Description Only do rate limit if CPU RR triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.92.147 slb template virtual-server

Virtual server template

virtual-server Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*virtual-server-list*
Collection URI	/axapi/v3/slb/template/virtual-server
Element Name	virtual-server
Element URI	/axapi/v3/slb/template/virtual-server/{name}
Element Attributes	virtual-server_attributes
Schema	`virtual-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/virtual-server

virtual-server attributes

```
POST /axapi/v3/slb/template/virtual-server/
Payload:
{
    "virtual-server": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/virtual-server

virtual-server attributes

Get Object

GET

/axapi/v3/slb/template/virtual-server/{name}

virtual-server attributes

```
GET /axapi/v3/slb/template/virtual-server/a
Reponse:
{
    "virtual-server": {
        "name": "a",
        "conn-limit": 64000000,
        "conn-limit-reset": 0,
        "conn-limit-no-logging": 0,
        "tcp-stack-tfo-active-conn-limit": 0,
        "tcp-stack-tfo-cookie-time-limit": 60,
        "tcp-stack-tfo-backoff-time": 600,
        "subnet-gratuitous-arp": 0,
        "disable-when-all-ports-down": 0,
        "uuid": "d7bc63d2-612b-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/virtual-server/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/virtual-server

virtual-server-list

Modify Object

POST

/axapi/v3/slb/template/virtual-server/{name}

virtual-server attributes

Replace Object

PUT

/axapi/v3/slb/template/virtual-server/{name}

virtual-server attributes

```
PUT /axapi/v3/slb/template/virtual-server/a
Payload:
{
    "virtual-server": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/virtual-server

virtual-server-list

Delete Object

DELETE

/axapi/v3/slb/template/virtual-server/{name}

virtual-server attributes

```
DELETE /axapi/v3/slb/template/virtual-server/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

virtual-server-list

virtual-server-list is **JSON List** of *virtual-server attributes*

virtual-server-list : [

{ *virtual-server attributes* },

{ *virtual-server attributes* },

...

]

virtual-server attributes

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-when-all-ports-down

Description Disable Virtual Server when all member ports are down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-all-ports-down and disable-when-any-port-down are mutually exclusive

disable-when-any-port-down

Description Disable Virtual Server when any member port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-any-port-down and disable-when-all-ports-down are mutually exclusive

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-rate-limit

Description ICMP rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-rate-limit

Description ICMPv6 rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

name

Description Virtual server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

subnet-gratuitous-arp

Description Send gratuitous ARP for every IP in the subnet virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-stack-tfo-active-conn-limit

Description The allowed active layer 7 tcp fast-open connection limit, default is zero (number)

Type: number

Range: 0-10000

Default: 0

tcp-stack-tfo-backoff-time

Description The time tcp stack will wait before allowing new fast-open requests after security condition, default 600 seconds (number)

Type: number

Range: 1-14400

Default: 600

tcp-stack-tfo-cookie-time-limit

Description The time limit (in seconds) that a layer 7 tcp fast-open cookie is valid, default is 60 seconds (number)

Type: number

Range: 1-14400

Default: 60

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.148 slb transparent-acl-template

ACL setting for transparent sessions

transparent-acl-template Specification

Type	*Configuration Resource*
Element Name	transparent-acl-template
Element URI	/axapi/v3/slb/transparent-acl-template
Element Attributes	transparent-acl-template_attributes
Schema	`transparent-acl-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

```
POST /axapi/v3/slb/transparent-acl-template
Payload:
{
    "transparent-acl-template": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

```
GET /axapi/v3/slb/transparent-acl-template
Reponse:
{
    "transparent-acl-template": {
        "name": "a",
        "uuid": "8136c7ae-612c-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/slb/transparent-acl-template"
    }
}
```

Modify Object

POST

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

Replace Object

PUT

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

```
PUT /axapi/v3/slb/transparent-acl-template
Payload:
{
    "transparent-acl-template": {
        "name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

```
DELETE /axapi/v3/slb/transparent-acl-template
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

transparent-acl-template attributes

name

Description Specify template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/tcp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.149 slb transparent-tcp-template

TCP setting for transparent TCP sessions

transparent-tcp-template Specification

Type	*Configuration Resource*
Element Name	transparent-tcp-template
Element URI	/axapi/v3/slb/transparent-tcp-template
Element Attributes	transparent-tcp-template_attributes
Schema	`transparent-tcp-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

```
POST /axapi/v3/slb/transparent-tcp-template
Payload:
{
    "transparent-tcp-template": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

```
GET /axapi/v3/slb/transparent-tcp-template
Reponse:
{
    "transparent-tcp-template": {
        "name": "a",
        "uuid": "92a8da0e-612c-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/slb/transparent-tcp-template"
    }
}
```

Modify Object

POST

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

Replace Object

PUT

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

```
PUT /axapi/v3/slb/transparent-tcp-template
Payload:
{
    "transparent-tcp-template": {
        "name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

```
DELETE /axapi/v3/slb/transparent-tcp-template
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

transparent-tcp-template attributes

name

Description Specify template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/tcp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92.150 slb virtual-server

Create a Virtual Server

virtual-server Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*virtual-server-list*
Collection URI	/axapi/v3/slb/virtual-server
Element Name	virtual-server
Element URI	/axapi/v3/slb/virtual-server/{name}
Element Attributes	virtual-server_attributes
Operational Data URI	/axapi/v3/slb/virtual-server/{name}/oper
Schema	`virtual-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/virtual-server

virtual-server attributes

```
POST /axapi/v3/slb/virtual-server/
Payload:
{
```

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```
    "virtual-server": {
        "name": "a",
        "ipv6-address": "2003::1",
        "ipv6-acl": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/virtual-server

virtual-server attributes

Get Object

GET

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

```
GET /axapi/v3/slb/virtual-server/a
Reponse:
{
    "virtual-server": {
        "name": "a",
        "ip-address": "0.0.0.0",
        "acl-id": 1,
        "enable-disable-action": "enable",
        "redistribution-flagged": 0,
        "arp-disable": 0,
        "stats-data-action": "stats-data-enable",
        "extended-stats": 0,
        "disable-vip-adv": 0,
        "uuid": "b40d89ce-612c-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/slb/virtual-server/a"
    }
}
```

Get List

GET

/axapi/v3/slb/virtual-server

virtual-server-list

Modify Object

POST

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

Replace Object

PUT

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

```
PUT /axapi/v3/slb/virtual-server/a
Payload:
{
    "virtual-server": {
        "name": "a",
        "ip-address": "0.0.0.0",
        "acl-id": 2
    }
}
```

Replace List

PUT

/axapi/v3/slb/virtual-server

virtual-server-list

Delete Object

DELETE

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

```
DELETE /axapi/v3/slb/virtual-server/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

virtual-server-list

virtual-server-list is **JSON List** of *virtual-server attributes*

virtual-server-list : [

{ *virtual-server attributes* },

{ *virtual-server attributes* },

...

]

virtual-server attributes

acl-id

Description acl id

Type: number

Range: 1-199

Mutual Exclusion: acl-idacl-name, p-acl and shared-partition-acl are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-id-shared

Description acl id

Type: number

Range: 1-199

Mutual Exclusion: acl-id-shared and acl-name-shared are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-name

Description Access List name (IPv4 Access List Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-nameacl-id, p-acl and shared-partition-acl are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

acl-name-shared

Description Access List name (IPv4 Access List Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-shared and acl-id-shared are mutually exclusive

Refernce Object: */axapi/v3/ip/access-list*

arp-disable

Description Disable Respond to Virtual Server ARP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Create a description for VIP

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

disable-vip-adv

Description Disable virtual server GARP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-disable-action

Description 'enable': Enable Virtual Server (default); 'disable': Disable Virtual Server; 'disable-when-all-ports-down': Disable Virtual Server when all member ports are down; 'disable-when-any-port-down': Disable Virtual Server when any member port is down;

Type: string

Supported Values: enable, disable, disable-when-all-ports-down, disable-when-any-port-down

Default: enable

ethernet

Description Ethernet interface

Type: number

Format: interface

extended-stats

Description Enable extended statistics on virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-dynamic

Description Dynamic failover based on vip status

Type: number

Range: 1-255

ip-address

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address ipv6-address and use-if-ip are mutually exclusive

ipv6-acl

Description ipv6 acl name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: ipv6-acl p-ipv6-acl and shared-partition-ipv6-acl are mutually exclusive

Refernce Object: */axapi/v3/ipv6/access-list*

ipv6-acl-shared

Description ipv6 acl name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ipv6/access-list*

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ip-address and use-if-ip are mutually exclusive

migrate-vip

Description: migrate-vip is a **JSON Block**. Please see below for *migrate-vip*

Type: Object

Refernce Object: */axapi/v3/slb/virtual-server/{name}/migrate-vip*

name

Description SLB Virtual Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask-brief

port-list

Type: List

Refernce Object: */axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}*

redistribute-route-map

Description Route map reference (Name of route-map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribution-flagged

Description Flag VIP for special redistribution handling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-vs-template

Description Reference a virtual-server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-vs-template and template-virtual-server are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual server; 'stats-data-disable': Disable statistical data collection for virtual server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

suppress-internal-loopback

Description Suppress VIP internal loopback programming

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-logging

Description NAT Logging template (NAT Logging template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/template/logging*

template-policy

Description Policy template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-virtual-server

Description Virtual server template (Virtual server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-virtual-server and shared-partition-vs-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/virtual-server*

template-virtual-server-shared

Description Virtual-Server Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/virtual-server*

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip ipv6-address and ip-address are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vport-disable-action

Description 'drop-packet': Drop packet for disabled virtual-port;

Type: string

Supported Values: drop-packet

vrid

Description Join a vrrp group (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

port-list

Specification	
Type	*list*
Block object keys	

acl-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

aflex-scripts

Type: List

aflex-table-entry-syn-disable

Description Disable fast sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-disable and aflex-table-entry-syn-enable are mutually exclusive

aflex-table-entry-syn-enable

Description Enable fast sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-enable and aflex-table-entry-syn-disable are mutually exclusive

alt-protocol1

Description 'http': HTTP Port;

Type: string

Supported Values: http

alt-protocol2

Description 'tcp': TCP LB service;

Type: string

Supported Values: tcp

alternate-port

Description Alternate Virtual Port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: alternate-port and range are mutually exclusive

alternate-port-number

Description Virtual Port

Type: number

Range: 0-65534

attack-detection

Description Enable analytics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *port-list_auth-cfg*

Type: Object

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clientip-sticky-nat

Description Prefer to use same source NAT address for a client

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

cpu-compute

Description enable cpu compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

def-selection-if-pref-failed

Description 'def-selection-if-pref-failed': Use default server selection method if prefer method failed; 'def-selection-if-pref-failed-disable': Stop using default server selection method if prefer method failed;

Type: string

Supported Values: def-selection-if-pref-failed, def-selection-if-pref-failed-disable

Default: def-selection-if-pref-failed

enable-playerid-check

Description Enable playerid checks on UDP packets once the AX is in active mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-scaleout

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-fwd

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-fwd and trunk-fwd are mutually exclusive

eth-rev

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-rev and trunk-rev are mutually exclusive

expand

Description expand syn-cookie with timestamp and wscale

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended-stats

Description Enable extended statistics on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force-routing-mode

Description Force routing mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-enable

Description Enable Global Server Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-session-lb

Description Enable GTP Session Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-conn-mirror

Description Enable for HA Conn sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-global

Description Ignore global substitute-source-mac

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-map-list

Description Enter name of IP Map List to be bound (IP Map List Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-only-lb

Description Enable IP-Only LB mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-smart-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipinip

Description Enable IP in IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-hardware-assist

Description FPGA assist L7 packet parsing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-service-chain

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

memory-compute

Description enable dynamic memory compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-switching

Description Message switching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SLB Virtual Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-dest-nat

Description Disable destination NAT, this option only supports in wildcard VIP or when a connection is operated in SSLi + EP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

on-syn

Description Enable for HA Conn sync for l4 tcp sessions on SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn

Description Support server that allow only one connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

optimization-level

Description '0': No optimization; '1': Optimization level 1 (Experimental);

Type: string

Supported Values: 0, 1

Default: 0

p-template-sip-shared

Description SIP Template Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: p-template-sip-shared and template-sip are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl*

persist-type

Description 'src-dst-ip-swap-persist': Create persist session after source IP and destination IP swap; 'use-src-ip-for-dst-persist': Use the source IP to create a destination persist session; 'use-dst-ip-for-src-persist': Use the destination IP to create source IP persist session;

Type: string

Supported Values: src-dst-ip-swap-persist, use-src-ip-for-dst-persist, use-dst-ip-for-src-persist

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pool and shared-partition-pool are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

port-number

Description Port

Type: number

Range: 0-65534

port-translation

Description Enable port translation under no-dest-nat

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'ssh': SSH Port; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix

proxy-layer

Description 'v1': Force using old proxy; 'v2': Force using new proxy;

Type: string

Supported Values: v1, v2

range

Description Virtual Port range (Virtual Port range value)

Type: number

Range: 0-254

Default: 0

Mutual Exclusion: range and alternate-port are mutually exclusive

rate

Description Specify the log message rate

Type: number

Range: 0-2147483647

redirect-to-https

Description Redirect HTTP to HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reply-acme-challenge

Description Reply ACME http-01 challenge. This option only takes effect in HTTP port 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-fail

Description Use alternate virtual port when L7 request fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reselection

Description 'disable': disable;

Type: string

Supported Values: disable

reset

Description Send client reset when connection number over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-on-server-selection-fail

Description Send client reset when server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resolve-web-cat-list

Description Web Category List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

rtp-sip-call-id-match

Description rtp traffic try to match the real server of sip smp call-id session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-bucket-count

Description Number of traffic buckets

Type: number

Range: 1-256

Default: 32

scaleout-device-group

Description Device group id

Type: number

Range: 1-16

secs

Description Specify the interval in seconds

Type: number

Range: 1-100

serv-sel-fail

Description Use alternate virtual port when server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-group

Description Bind a use-rcv-hop-for-resp Server Group to this Virtual Server (Server Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server-group*

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-cache-template

Description Reference a Cache template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cache-template and template-cache are mutually exclusive

shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-client-ssl-template and template-client-ssl are mutually exclusive

shared-partition-connection-reuse-template

Description Reference a connection reuse template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-connection-reuse-template and template-connection-reuse are mutually exclusive

shared-partition-dblb-template

Description Reference a dblb template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dblb-template and template-dblb are mutually exclusive

shared-partition-diameter-template

Description Reference a Diameter template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-diameter-template and template-diameter are mutually exclusive

shared-partition-dns-template

Description Reference a dns template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and template-dns are mutually exclusive

shared-partition-doh-template

Description Reference a DNS over HTTP(s) template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-doh-template and template-doh are mutually exclusive

shared-partition-dynamic-service-template

Description Reference a dynamic service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dynamic-service-template and template-dynamic-service are mutually exclusive

shared-partition-external-service-template

Description Reference a external service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-external-service-template and template-external-service are mutually exclusive

shared-partition-fix-template

Description Reference a FIX template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-fix-template and template-fix are mutually exclusive

shared-partition-http-policy-template

Description Reference a http policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-policy-template and template-http-policy are mutually exclusive

shared-partition-http-template

Description Reference a HTTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-template and template-http are mutually exclusive

shared-partition-imap-pop3-template

Description Reference a IMAP/POP3 template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-imap-pop3-template and template-imap-pop3 are mutually exclusive

shared-partition-persist-cookie-template

Description Reference a persist cookie template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-cookie-template and template-persist-cookie are mutually exclusive

shared-partition-persist-destination-ip-template

Description Reference a persist destination ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-destination-ip-template and template-persist-destination-ip are mutually exclusive

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and template-persist-source-ip are mutually exclusive

shared-partition-persist-ssl-sid-template

Description Reference a persist SSL SID template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-ssl-sid-template and template-persist-ssl-sid are mutually exclusive

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-pool

Description Specify NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-server-ssl-template

Description Reference a SSL Server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-ssl-template and template-server-ssl are mutually exclusive

shared-partition-smpp-template

Description Reference a smpp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smpp-template and template-smpp are mutually exclusive

shared-partition-smtp-template

Description Reference a SMTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smtp-template and template-smtp are mutually exclusive

shared-partition-tcp

Description Reference a tcp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp and template-tcp are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and template-tcp-proxy are mutually exclusive

shared-partition-udp

Description Reference a UDP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-udp and template-udp are mutually exclusive

shared-partition-virtual-port-template

Description Reference a Virtual Port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-virtual-port-template and template-virtual-port are mutually exclusive

skip-rev-hash

Description Skip rev tuple hash insertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual port; 'stats-data-disable': Disable statistical data collection for virtual port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

support-http2

Description Support HTTP2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Enable syn-cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cache and shared-partition-cache-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cache*

template-cache-shared

Description Cache Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cache*

template-client-ssh

Description Client SSH Template (Client SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/client-ssh*

template-client-ssl

Description Client SSL Template (Client SSL Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-client-ssl and shared-partition-client-ssl-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/client-ssl*

template-client-ssl-shared

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/client-ssl*

template-connection-reuse

Description Connection Reuse Template (Connection Reuse Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-connection-reuse and shared-partition-connection-reuse-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/connection-reuse*

template-connection-reuse-shared

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/connection-reuse*

template-dblb

Description DBLB Template (DBLB template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dblb and shared-partition-dblb-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dblb*

template-dblb-shared

Description DBLB Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dblb*

template-diameter

Description Diameter Template (diameter template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-diameter and shared-partition-diameter-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/diameter*

template-diameter-shared

Description Diameter Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/diameter*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dns and shared-partition-dns-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dns*

template-dns-shared

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dns*

template-doh

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-doh and shared-partition-doh-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/doh*

template-doh-shared

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/doh*

template-dynamic-service

Description Dynamic Service Template (dynamic-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dynamic-service and shared-partition-dynamic-service-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dynamic-service*

template-dynamic-service-shared

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dynamic-service*

template-external-service

Description External service template (external-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-external-service and shared-partition-external-service-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/external-service*

template-external-service-shared

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/external-service*

template-fix

Description FIX template (FIX Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-fix and shared-partition-fix-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/fix*

template-fix-shared

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/fix*

template-ftp

Description FTP port template (Ftp template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/ftp*

template-http

Description HTTP Template (HTTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http and shared-partition-http-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/http*

template-http-policy

Description http-policy template (http-policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http-policy and shared-partition-http-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/http-policy*

template-http-policy-shared

Description Http Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/http-policy*

template-http-shared

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/http*

template-imap-pop3

Description IMAP/POP3 Template (IMAP/POP3 Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-imap-pop3 and shared-partition-imap-pop3-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/imap-pop3*

template-imap-pop3-shared

Description IMAP/POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/imap-pop3*

template-mqtt

Description MQTT Template (MQTT Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/mqtt*

template-persist-cookie

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-cookie and shared-partition-persist-cookie-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/cookie*

template-persist-cookie-shared

Description Cookie Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/cookie*

template-persist-destination-ip

Description Destination IP persistence (Destination IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-destination-ip and shared-partition-persist-destination-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-destination-ip-shared

Description Destination IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-source-ip

Description Source IP persistence (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-ssl-sid

Description SSL session ID persistence (Source IP Persistence Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-ssl-sid and shared-partition-persist-ssl-sid-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid*

template-persist-ssl-sid-shared

Description SSL SID Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

template-ram-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cache*

template-reqmod-icap

Description ICAP reqmod template (reqmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/reqmod-icap*

template-respmod-icap

Description ICAP respmod service template (respmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/respmod-icap*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template-server-ssh

Description Server SSH Template (Server SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssh*

template-server-ssl

Description Server Side SSL Template (Server SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-server-ssl and shared-partition-server-ssl-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/server-ssl*

template-server-ssl-shared

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

template-sip

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-sip and p-template-sip-shared are mutually exclusive

Refernce Object: */axapi/v3/slb/template/sip*

template-sip-shared

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/sip*

template-smpp

Description SMPP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smpp and shared-partition-smpp-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/smpp*

template-smpp-shared

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/smpp*

template-smtp

Description SMTP Template (SMTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smtp and shared-partition-smtp-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/smtp*

template-smtp-shared

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/smtp*

template-ssli

Description SSLi template (SSLi Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/ssli*

template-tcp

Description L4 TCP Template (TCP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-tcp and shared-partition-tcp are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp*

template-tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-client

Description TCP Proxy Config Client (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-server

Description TCP Proxy Config Server (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-shared

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/tcp*

template-udp

Description L4 UDP Template (UDP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-udp and shared-partition-udp are mutually exclusive

Refernce Object: */axapi/v3/slb/template/udp*

template-udp-shared

Description UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/udp*

template-virtual-port

Description Virtual port template (Virtual port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-virtual-port and shared-partition-virtual-port-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/virtual-port*

template-virtual-port-shared

Description Virtual Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/virtual-port*

trunk-fwd

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-fwd and eth-fwd are mutually exclusive

trunk-rev

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-rev and eth-rev are mutually exclusive

use-alternate-port

Description Use alternate virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-cgnv6

Description Follow CGNv6 source NAT configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-default-if-no-server

Description Use default forwarding if server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-for-resp

Description Use receive hop for response to client(For packets on default-vlan, also config "vlan-global enable-def-vlan-l2-forwarding".)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-group

Description Set use-rcv-hop group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

view

Description Specify a GSLB View (ID)

Type: number

Range: 1-31

waf-template

Description WAF template (WAF Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

when-down

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-down-protocol2

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_l4_conn': Total L4 connections; 'total_l7_conn': Total L7 connections; 'total_tcp_conn': Total TCP connections; 'total_conn': Total connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_dns_pkts': Total DNS packets; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total failure actions; 'compression_bytes_before': Data into compression engine; 'compression_bytes_after': Data out of compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn': Peak connections; 'curr_conn_rate': Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'loc_permit': Permit number; 'loc_deny': Deny number; 'loc_conn': Connection number; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, total_tcp_conn, total_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time, loc_permit, loc_deny, loc_conn, curr_ssl_conn, total_ssl_conn, backend-time-to-first-byte, backend-time-to-last-byte, in-latency, out-latency, total_fwd_bytes_out, total_fwd_pkts_out, total_rev_bytes_out, total_rev_pkts_out, curr_req_rate, curr_resp, total_resp, total_resp_succ, curr_resp_rate, dnsrrl_total_allowed, dnsrrl_total_dropped, dnsrrl_total_slipped, dnsrrl_bad_fqdn, throughput-bits-per-sec, dynamic-memory-alloc, dynamic-memory-free, dynamic-memory, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts, total_dns_filter_type_drop, total_dns_filter_class_drop, dns_filter_type_a_drop, dns_filter_type_aaaa_drop, dns_filter_type_cname_drop, dns_filter_type_mx_drop, dns_filter_type_ns_drop, dns_filter_type_srv_drop, dns_filter_type_ptr_drop, dns_filter_type_soa_drop, dns_filter_type_txt_drop, dns_filter_type_any_drop, dns_filter_type_others_drop, dns_filter_class_internet_drop, dns_filter_class_chaos_drop, dns_filter_class_hesiod_drop, dns_filter_class_none_drop, dns_filter_class_any_drop, dns_filter_class_others_drop, dns_rpz_action_drop, dns_rpz_action_pass_thru, dns_rpz_action_tcp_only, dns_rpz_action_nxdomain, dns_rpz_action_nodata, dns_rpz_action_local_data, dns_rpz_trigger_client_ip, dns_rpz_trigger_resp_ip, dns_rpz_trigger_ns_ip, dns_rpz_trigger_qname, dns_rpz_trigger_ns_name

port-list_acl-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

Mutual Exclusion: acl-id p-acl and shared-partition-acl are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-shared

Description acl id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-id-src-nat-pool and shared-partition-pool-id are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-shared

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-src-nat-pool shared-partition-pool-name and v-shared-partition-pool-name are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-id and acl-id-src-nat-pool are mutually exclusive

shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

v-acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: v-acl-id-src-nat-pool and v-shared-partition-pool-id are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

v-acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

v-acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

v-acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

v-shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-id and v-acl-id-src-nat-pool are mutually exclusive

v-shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

port-list_aflex-scripts

Specification	
Type	*list*
Block object keys	

aflex

Description Bind aFleX Script to the Virtual Port (aFleX Script Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

aflex-shared

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list_auth-cfg

Specification	
Type	*object*

aaa-policy

Description Specify AAA policy name to bind to the virtual port

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/aaa-policy*

migrate-vip

Specification	
Type	*object*

cancel-migration

Description Cancel migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cancel-migration and finish-migration are mutually exclusive

finish-migration

Description Complete the migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: finish-migration and cancel-migration are mutually exclusive

target-data-cpu

Description Number of CPUs on the target platform

Type: number

Range: 1-75

target-floating-ipv4

Description Specify IP address

Type: string

Format: ipv4-address

Mutual Exclusion: target-floating-ipv4 and target-floating-ipv6 are mutually exclusive

target-floating-ipv6

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: target-floating-ipv6 and target-floating-ipv4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	peak-conn	number	peak-conn
	conn-rate-unit	enum	Output contains one of the following values: - 100ms, second
	curr-conn-overflow	number	curr-conn-overflow
	ip-address	ipv4-address	ip-address
	icmpv6-rate-over-limit-drop	number	icmpv6-rate-over-limit-drop
	curr-conn-rate	number	curr-conn-rate
	state	enum	Output contains one of the following values: - All Up, Functional Up, Partial Up, Down, Disb, Unkn
	ip_only_lb_fwd_bytes	number	ip_only_lb_fwd_bytes
	curr-icmp-rate	number	curr-icmp-rate
	icmpv6-lockup-time-left	number	icmpv6-lockup-time-left
	mac	string	mac
	ip_only_lb_rev_bytes	number	ip_only_lb_rev_bytes
	curr-icmpv6-rate	number	curr-icmpv6-rate
	icmp-rate-over-limit-drop	number	icmp-rate-over-limit-drop
	ip_only_lb_fwd_pkts	number	ip_only_lb_fwd_pkts
	icmp-lockup-time-left	number	icmp-lockup-time-left
	ip_only_lb_rev_pkts	number	ip_only_lb_rev_pkts
	migration-status	string	migration-status

2.92.151 slb virtual-server port

Virtual Port

port Specification

Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/virtual-server/{name}/port
Element Name	port
Element URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Statistics Data URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats
Operational Data URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/virtual-server/{name}/port

port attributes

Create List

POST

/axapi/v3/slb/virtual-server/{name}/port

port attributes

Get Object

GET

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/slb/virtual-server/{name}/port

port-list

Modify Object

POST

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/slb/virtual-server/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

acl-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

aflex-scripts

Type: List

aflex-table-entry-syn-disable

Description Disable aFlex entry sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-disable and aflex-table-entry-syn-enable are mutually exclusive

aflex-table-entry-syn-enable

Description Enable aFlex entry sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-enable and aflex-table-entry-syn-disable are mutually exclusive

alt-protocol1

Description 'http': HTTP Port;

Type: string

Supported Values: http

alt-protocol2

Description 'tcp': TCP LB service;

Type: string

Supported Values: tcp

alternate-port

Description Alternate Virtual Port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: alternate-port and range are mutually exclusive

alternate-port-number

Description Virtual Port

Type: number

Range: 0-65534

attack-detection

Description Enable analytics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *auth-cfg*

Type: Object

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clientip-sticky-nat

Description Prefer to use same source NAT address for a client

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

cpu-compute

Description enable cpu compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

def-selection-if-pref-failed

Description 'def-selection-if-pref-failed': Use default server selection method if prefer method failed; 'def-selection-if-pref-failed-disable': Stop using default server selection method if prefer method failed;

Type: string

Supported Values: def-selection-if-pref-failed, def-selection-if-pref-failed-disable

Default: def-selection-if-pref-failed

enable-playerid-check

Description Enable playerid checks on UDP packets once the AX is in active mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-scaleout

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-fwd

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-fwd and trunk-fwd are mutually exclusive

eth-rev

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-rev and trunk-rev are mutually exclusive

expand

Description expand syn-cookie with timestamp and wscale

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended-stats

Description Enable extended statistics on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force-routing-mode

Description Force routing mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-enable

Description Enable Global Server Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-session-lb

Description Enable GTP Session Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-conn-mirror

Description Enable for HA Conn sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-global

Description Ignore global substitute-source-mac

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-map-list

Description Enter name of IP Map List to be bound (IP Map List Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-only-lb

Description Enable IP-Only LB mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-smart-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipinip

Description Enable IP in IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-hardware-assist

Description FPGA assist L7 packet parsing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-service-chain

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

memory-compute

Description enable dynamic memory compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-switching

Description Message switching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SLB Virtual Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-dest-nat

Description Disable destination NAT, this option only supports in wildcard VIP or when a connection is operated in SSLi + EP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

on-syn

Description Enable for HA Conn sync for l4 tcp sessions on SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn

Description Support server that allow only one connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

optimization-level

Description '0': No optimization; '1': Optimization level 1 (Experimental);

Type: string

Supported Values: 0, 1

Default: 0

p-template-sip-shared

Description SIP Template Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: p-template-sip-shared and template-sip are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl*

persist-type

Description 'src-dst-ip-swap-persist': Create persist session after source IP and destination IP swap; 'use-src-ip-for-dst-persist': Use the source IP to create a destination persist session; 'use-dst-ip-for-src-persist': Use the destination IP to create source IP persist session;

Type: string

Supported Values: src-dst-ip-swap-persist, use-src-ip-for-dst-persist, use-dst-ip-for-src-persist

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pool and shared-partition-pool are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

port-number

Description Port

Type: number

Range: 0-65534

port-translation

Description Enable port translation under no-dest-nat

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix

proxy-layer

Description 'v1': Force using old proxy; 'v2': Force using new proxy;

Type: string

Supported Values: v1, v2

range

Description Virtual Port range (Virtual Port range value)

Type: number

Range: 0-254

Default: 0

Mutual Exclusion: range and alternate-port are mutually exclusive

rate

Description Specify the log message rate

Type: number

Range: 0-2147483647

redirect-to-https

Description Redirect HTTP to HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reply-acme-challenge

Description Reply ACME http-01 challenge. This option only takes effect in HTTP port 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-fail

Description Use alternate virtual port when L7 request fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reselection

Description 'disable': disable;

Type: string

Supported Values: disable

reset

Description Send client reset when connection number over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-on-server-selection-fail

Description Send client reset when server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resolve-web-cat-list

Description Web Category List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/web-category/category-list*

rtp-sip-call-id-match

Description rtp traffic try to match the real server of sip smp call-id session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-bucket-count

Description Number of traffic buckets

Type: number

Range: 1-256

Default: 32

scaleout-device-group

Description Device group id

Type: number

Range: 1-16

secs

Description Specify the interval in seconds

Type: number

Range: 1-100

serv-sel-fail

Description Use alternate virtual port when server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-group

Description Bind a use-rcv-hop-for-resp Server Group to this Virtual Server (Server Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/server-group*

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/service-group*

shared-partition-cache-template

Description Reference a Cache template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cache-template and template-cache are mutually exclusive

shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-client-ssl-template and template-client-ssl are mutually exclusive

shared-partition-connection-reuse-template

Description Reference a connection reuse template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-connection-reuse-template and template-connection-reuse are mutually exclusive

shared-partition-dblb-template

Description Reference a dblb template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dblb-template and template-dblb are mutually exclusive

shared-partition-diameter-template

Description Reference a Diameter template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-diameter-template and template-diameter are mutually exclusive

shared-partition-dns-template

Description Reference a dns template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and template-dns are mutually exclusive

shared-partition-doh-template

Description Reference a DNS over HTTP(s) template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-doh-template and template-doh are mutually exclusive

shared-partition-dynamic-service-template

Description Reference a dynamic service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dynamic-service-template and template-dynamic-service are mutually exclusive

shared-partition-external-service-template

Description Reference a external service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-external-service-template and template-external-service are mutually exclusive

shared-partition-fix-template

Description Reference a FIX template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-fix-template and template-fix are mutually exclusive

shared-partition-http-policy-template

Description Reference a http policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-policy-template and template-http-policy are mutually exclusive

shared-partition-http-template

Description Reference a HTTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-template and template-http are mutually exclusive

shared-partition-imap-pop3-template

Description Reference a IMAP/POP3 template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-imap-pop3-template and template-imap-pop3 are mutually exclusive

shared-partition-persist-cookie-template

Description Reference a persist cookie template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-cookie-template and template-persist-cookie are mutually exclusive

shared-partition-persist-destination-ip-template

Description Reference a persist destination ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-destination-ip-template and template-persist-destination-ip are mutually exclusive

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and template-persist-source-ip are mutually exclusive

shared-partition-persist-ssl-sid-template

Description Reference a persist SSL SID template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-ssl-sid-template and template-persist-ssl-sid are mutually exclusive

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-pool

Description Specify NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-server-ssl-template

Description Reference a SSL Server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-ssl-template and template-server-ssl are mutually exclusive

shared-partition-smpp-template

Description Reference a smpp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smpp-template and template-smpp are mutually exclusive

shared-partition-smtp-template

Description Reference a SMTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smtp-template and template-smtp are mutually exclusive

shared-partition-tcp

Description Reference a tcp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp and template-tcp are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and template-tcp-proxy are mutually exclusive

shared-partition-udp

Description Reference a UDP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-udp and template-udp are mutually exclusive

shared-partition-virtual-port-template

Description Reference a Virtual Port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-virtual-port-template and template-virtual-port are mutually exclusive

skip-rev-hash

Description Skip rev tuple hash insertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual port; 'stats-data-disable': Disable statistical data collection for virtual port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

support-http2

Description Support HTTP2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Enable syn-cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cache and shared-partition-cache-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/cache*

template-cache-shared

Description Cache Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cache*

template-client-ssh

Description Client SSH Template (Client SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/client-ssh*

template-client-ssl

Description Client SSL Template (Client SSL Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-client-ssl and shared-partition-client-ssl-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/client-ssl*

template-client-ssl-shared

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/client-ssl*

template-connection-reuse

Description Connection Reuse Template (Connection Reuse Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-connection-reuse and shared-partition-connection-reuse-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/connection-reuse*

template-connection-reuse-shared

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/connection-reuse*

template-dblb

Description DBLB Template (DBLB template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dblb and shared-partition-dblb-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dblb*

template-dblb-shared

Description DBLB Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dblb*

template-diameter

Description Diameter Template (diameter template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-diameter and shared-partition-diameter-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/diameter*

template-diameter-shared

Description Diameter Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/diameter*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dns and shared-partition-dns-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dns*

template-dns-shared

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dns*

template-doh

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-doh and shared-partition-doh-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/doh*

template-doh-shared

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/doh*

template-dynamic-service

Description Dynamic Service Template (dynamic-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dynamic-service and shared-partition-dynamic-service-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/dynamic-service*

template-dynamic-service-shared

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/dynamic-service*

template-external-service

Description External service template (external-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-external-service and shared-partition-external-service-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/external-service*

template-external-service-shared

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/external-service*

template-fix

Description FIX template (FIX Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-fix and shared-partition-fix-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/fix*

template-fix-shared

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/fix*

template-ftp

Description FTP port template (Ftp template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/ftp*

template-http

Description HTTP Template (HTTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http and shared-partition-http-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/http*

template-http-policy

Description http-policy template (http-policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http-policy and shared-partition-http-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/http-policy*

template-http-policy-shared

Description Http Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/http-policy*

template-http-shared

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/http*

template-imap-pop3

Description IMAP/POP3 Template (IMAP/POP3 Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-imap-pop3 and shared-partition-imap-pop3-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/imap-pop3*

template-imap-pop3-shared

Description IMAP/POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/imap-pop3*

template-mqtt

Description MQTT Template (MQTT Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/mqtt*

template-persist-cookie

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-cookie and shared-partition-persist-cookie-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/cookie*

template-persist-cookie-shared

Description Cookie Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/cookie*

template-persist-destination-ip

Description Destination IP persistence (Destination IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-destination-ip and shared-partition-persist-destination-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-destination-ip-shared

Description Destination IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-source-ip

Description Source IP persistence (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-ssl-sid

Description SSL session ID persistence (Source IP Persistence Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-ssl-sid and shared-partition-persist-ssl-sid-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid*

template-persist-ssl-sid-shared

Description SSL SID Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/persist/ssl-sid*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

template-ram-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/cache*

template-reqmod-icap

Description ICAP reqmod template (reqmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/reqmod-icap*

template-respmod-icap

Description ICAP respmod service template (respmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/respmod-icap*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template-server-ssh

Description Server SSH Template (Server SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssh*

template-server-ssl

Description Server Side SSL Template (Server SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-server-ssl and shared-partition-server-ssl-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/server-ssl*

template-server-ssl-shared

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/server-ssl*

template-sip

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-sip and p-template-sip-shared are mutually exclusive

Refernce Object: */axapi/v3/slb/template/sip*

template-sip-shared

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/sip*

template-smpp

Description SMPP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smpp and shared-partition-smpp-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/smpp*

template-smpp-shared

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/smpp*

template-smtp

Description SMTP Template (SMTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smtp and shared-partition-smtp-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/smtp*

template-smtp-shared

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/smtp*

template-ssli

Description SSLi template (SSLi Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/ssli*

template-tcp

Description L4 TCP Template (TCP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-tcp and shared-partition-tcp are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp*

template-tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-client

Description TCP Proxy Config Client (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-server

Description TCP Proxy Config Server (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-shared

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/tcp*

template-udp

Description L4 UDP Template (UDP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-udp and shared-partition-udp are mutually exclusive

Refernce Object: */axapi/v3/slb/template/udp*

template-udp-shared

Description UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Refernce Object: */axapi/v3/slb/template/udp*

template-virtual-port

Description Virtual port template (Virtual port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-virtual-port and shared-partition-virtual-port-template are mutually exclusive

Refernce Object: */axapi/v3/slb/template/virtual-port*

template-virtual-port-shared

Description Virtual Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/virtual-port*

trunk-fwd

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-fwd and eth-fwd are mutually exclusive

trunk-rev

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-rev and eth-rev are mutually exclusive

use-alternate-port

Description Use alternate virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-cgnv6

Description Follow CGNv6 source NAT configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-default-if-no-server

Description Use default forwarding if server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-for-resp

Description Use receive hop for response to client(For packets on default-vlan, also config "vlan-global enable-def-vlan-l2-forwarding".)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-group

Description Set use-rcv-hop group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

view

Description Specify a GSLB View (ID)

Type: number

Range: 1-31

waf-template

Description WAF template (WAF Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

when-down

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-down-protocol2

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_l4_conn': Total L4 connections; 'total_l7_conn': Total L7 connections; 'total_tcp_conn': Total TCP connections; 'total_conn': Total connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_dns_pkts': Total DNS packets; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total failure actions; 'compression_bytes_before': Data into compression engine; 'compression_bytes_after': Data out of compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn': Peak connections; 'curr_conn_rate': Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'loc_permit': Permit number; 'loc_deny': Deny number; 'loc_conn': Connection number; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, total_tcp_conn, total_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time, loc_permit, loc_deny,

loc_conn, curr_ssl_conn, total_ssl_conn, backend-time-to-first-byte, backend-time-to-last-byte, in-latency, out-latency, total_fwd_bytes_out, total_fwd_pkts_out, total_rev_bytes_out, total_rev_pkts_out, curr_req_rate, curr_resp, total_resp, total_resp_succ, curr_resp_rate, dnsrrl_total_allowed, dnsrrl_total_dropped, dnsrrl_total_slipped, dnsrrl_bad_fqdn, throughput-bits-per-sec, dynamic-memory-alloc, dynamic-memory-free, dynamic-memory, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts, total_dns_filter_type_drop, total_dns_filter_class_drop, dns_filter_type_a_drop, dns_filter_type_aaaa_drop, dns_filter_type_cname_drop, dns_filter_type_mx_drop, dns_filter_type_ns_drop, dns_filter_type_srv_drop, dns_filter_type_ptr_drop, dns_filter_type_soa_drop, dns_filter_type_txt_drop, dns_filter_type_any_drop, dns_filter_type_others_drop, dns_filter_class_internet_drop, dns_filter_class_chaos_drop, dns_filter_class_hesiod_drop, dns_filter_class_none_drop, dns_filter_class_any_drop, dns_filter_class_others_drop, dns_rpz_action_drop, dns_rpz_action_pass_thru, dns_rpz_action_tcp_only, dns_rpz_action_nxdomain, dns_rpz_action_nodata, dns_rpz_action_local_data, dns_rpz_trigger_client_ip, dns_rpz_trigger_resp_ip, dns_rpz_trigger_ns_ip, dns_rpz_trigger_qname, dns_rpz_trigger_ns_name

acl-list

Specification	
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

Mutual Exclusion: acl-id p-acl and shared-partition-acl are mutually exclusive

Refernce Object: */axapi/v3/access-list/standard*

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-shared

Description acl id

Type: number

Range: 1-199

Refernce Object: */axapi/v3/access-list/standard*

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-id-src-nat-pool and shared-partition-pool-id are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-shared

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/access-list*

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-src-nat-pool shared-partition-pool-name and v-shared-partition-pool-name are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-id and acl-id-src-nat-pool are mutually exclusive

shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

v-acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: v-acl-id-src-nat-pool and v-shared-partition-pool-id are mutually exclusive

Refernce Object: */axapi/v3/ip/nat/pool*

v-acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

v-acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

v-acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/ip/nat/pool*

v-shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-id and v-acl-id-src-nat-pool are mutually exclusive

v-shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

aflex-scripts

Specification	
Type	*list*
Block object keys	

aflex

Description Bind aFleX Script to the Virtual Port (aFleX Script Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

aflex-shared

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-cfg

Specification	
Type	*object*

aaa-policy

Description Specify AAA policy name to bind to the virtual port

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/aaa-policy*

stats cache

	Counter	Size	Description
	nm_response	2	nm_response
	rsp_type_304	2	rsp_type_304
	rsp_other	2	rsp_other
	content_toosmall	2	content_toosmall
	entry_create_failures	2	entry_create_failures
	nocache_match	2	nocache_match
	content_toobig	2	content_toobig
	nc_res_header	2	nc_res_header
	miss	2	Cache misses
	nc_req_header	2	nc_req_header
	replaced_entry	8	replaced_entry
	aging_entry	8	aging_entry
	mem_size	8	mem_size
	header_save_error	2	header_save_error
	rsp_deflate	2	rsp_deflate
	invalidate_match	2	invalidate_match
	match	2	match
	cleaned_entry	8	cleaned_entry
	entry_num	8	entry_num
	total_req	2	Total requests received
	bytes_served	2	Bytes served from cache

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Table 2.53 – continued from previous page

	Counter	Size	Description
	rv_success	2	rv_success
	rv_failure	2	rv_failure
	rsp_gzip	2	rsp_gzip
	hits	2	Cache hits
	rsp_type_other	2	rsp_type_other
	rsp_type_CE	2	rsp_type_CE
	rsp_no_compress	2	rsp_no_compress
	rsp_type_CL	2	rsp_type_CL
	caching_req	2	Total requests to cache
	ims_request	2	ims_request
	rsp_type_stream	2	rsp_type_stream

stats client-ssh

	Counter	Size	Description
	forwarding_errors	8	forwarding_errors
	successful_handshakes	8	successful_handshakes
	failed_handshakes	8	failed_handshakes

stats dns_vport

	Counter	Size	Description
	rcode_other_response	8	other rcode response
	dns_total_response	8	total response
	rcode_yxrrset_response	8	rcode yxrrset response
	rcode_badmode_response	8	edns bad mode response
	type_EXPIRE_query	8	edns EXPIRE query
	dns_filter_type_cname_drop	8	counters DNS Filter Type CNAME Drop
	type_NAPTR_query	8	dns NAPTR query
	slb_dns_server_ssl_succ	8	No. of server ssl success
	dns_recursive_resolution_no_resolver	8	DNS Recursive Resolution No Resolver
	dns_filter_class_hesiod_drop	8	counters DNS Filter Class HESIOD Drop
	rcode_badalg_receive	8	edns response rcode bad alg receive,
	dns_recursive_resolution_res_submit_err	8	DNS Recursive Resolution Resolver Submit Err
	dns_recursive_resolution_retransmit_exceeded	8	DNS Recursive Resolution Retransmit Exceeded
	dns_filter_type_ptr_drop	8	counters DNS Filter Type PTR Drop
	dns_request_response	8	the request response by the device
	rcode_serverr_receive	8	response rcode server error receive
	type_N3U_query	8	edns N3U query
	dns_recursive_resolution_udp_conn_err	8	DNS Recursive Resolution UDP Conn Err
	gslb_query_fwd	8	gslb query forward

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Table 2.54 – continued from previous page

	Counter	Size	Description
	type_NSID_query	8	edns NSID query
	dns_filter_class_others_drop	8	counters DNS Filter Class OTHER Drop
	type_DS_query	8	dns DS query
	rcode_badtime_receive	8	edns response rcode bad time receive
	dns_rpz_trigger_ns_ip	8	DNS RPZ Trigger NS IP
	dns_total_drop	8	total drop
	type_SOA_query	8	dns SOA query
	rcode_serverr_response	8	rcode server error response
	rcode_notauth_receive	8	response rcode not auth receive
	type_AAAA_query	8	dns AAAA query
	rcode_badtranc_response	8	edns bad trancate response
	rcode_badcookie_response	8	edns bad cookie response
	dns_cache_hit	8	request cache hit
	type_CERT_query	8	dns CERT query
	dns_recursive_resolution_max_trials_exceeded	8	DNS Recursive Resolution Max Trials Exceeded
	type_CNAME_query	8	dns CNAME query
	type_CAA_query	8	dns CAA query
	type_AXFR_query	8	dns AXFR query
	dns_recursive_resolution_retransmit_sent	8	DNS Recursive Resolution Retransmit Sent
	total_filter_drop	8	query filter drop
	slb_dns_padding_to_server_removed	8	slb_dns_padding_to_server_removed
	dns_recursive_resolution_no_hints	8	DNS Recursive Resolution No Hints
	type_SRV_query	8	dns SRV query
	rcode_badcookie_receive	8	ends response rcode bad cookie receive
	dns_filter_type_txt_drop	8	counters DNS Filter Type TXT Drop
	dns_recursive_resolution_udp_send_failed	8	DNS Recursive Resolution UDP Send Failed
	type_NS_query	8	dns NS query
	rcode_yxdomain_receive	8	response rcode yxdomain receive
	dns_recursive_resolution_timeout	8	DNS Recursive Resolution Timed Out
	dns_rpz_action_nxdomain	8	DNS RPZ Action NXDOMAIN
	dns_request_timeout	8	request time out
	dns_request_rexmit	8	request retransmit
	rcode_nxrrset_response	8	rcode nxrrset response
	rcode_other_receive	8	other rcode receive
	dns_recursive_resolution_buff_alloc_failed	8	DNS Recursive Resolution Buffer Allocation Failed
	rcode_yxrrset_receive	8	response rcode yxrrset receive
	rcode_badver_receive	8	edns response rcode bad version receive
	dns_recursive_resolution_not_dplane	8	DNS Recursive Resolution Not Dplane
	type_other_query	8	dns other type query
	slb_dns_udp_conn_succ	8	No. of backend udp conn established
	dns_filter_class_none_drop	8	counters DNS Filter Class NONE Drop
	total_dns_filter_type_drop	8	counters Total DNS Filter Type Drop
	type_CHAIN_query	8	edns CHAIN query
	gslb_response_good	8	gslb response good
	dns_request_send	8	request send to backend server
	gslb_response_drop	8	gslb response drop

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Table 2.54 – continued from previous page

	Counter	Size	Description
	dns_filter_type_a_drop	8	counters DNS Filter Type A Drop
	slb_dns_client_ssl_succ	8	No. of client ssl success
	dns_filter_type_any_drop	8	counters DNS Filter Type Any Drop
	rcode_notauth_response	8	rcode not auth response
	dns_recursive_resolution_query_not_sent	8	DNS Recursive Resolution Query Not Sent
	dns_recursive_resolution_res_check_err	8	DNS Recursive Resolution Resolver Check Err
	dns_filter_type_aaaa_drop	8	counters DNS Filter Type AAAA Drop
	total_mf_dns_pkt	8	total malform dns pkt
	slb_dns_udp_retransmit	8	slb_dns_udp_retransmit
	type_DNSKEY_query	8	dns DNSKEY query
	type_TSIG_query	8	dns TSIG query
	gslb_response_bad	8	gslb response bad
	type_PTR_query	8	dns PTR query
	rcode_badtrunc_receive	8	edns response rcode bad trancate receive
	slb_dns_udp_conn	8	No. of backend udp connections
	rcode_nxdomain_response	8	rcode name error response
	dns_response_send	8	response send to client
	dnsrrl_total_slipped	8	DNS Response-Rate-Limiting Total Responses Slipped
	gslb_query_bad	8	gslb query bad
	dns_rpz_trigger_resp_ip	8	DNS RPZ Trigger Response IP
	dns_rpz_action_pass_thru	8	DNS RPZ Action Pass Through
	dns_rpz_action_drop	8	DNS RPZ Action Drop
	gslb_drop	8	gslb drop
	rcode_badname_response	8	edns bad name response
	rcode_dsotypen_response	8	rcode dsotypen response
	dns_filter_class_internet_drop	8	counters DNS Filter Class INTERNET Drop
	rcode_nxdomain_receive	8	response rcode nxdomain receive
	dns_filter_class_chaos_drop	8	counters DNS Filter Class CHAOS Drop
	dnsrrl_bad_fqdn	8	DNS Response-Rate-Limiting Bad FQDN
	dns_recursive_resolution_started	8	DNS Recursive Resolution Started
	dns_request_drop	8	request drop
	dns_filter_type_mx_drop	8	counters DNS Filter Type MX Drop
	dnsrrl_total_dropped	8	dns rrl drop
	type_DAU_query	8	edns DAU query
	rcode_formerr_response	8	rcode format error response
	dns_recursive_resolution_tcp_conn_err	8	DNS Recursive Resolution TCP Conn Err
	type_MX_query	8	dns MX query
	dns_rpz_trigger_ns_name	8	DNS RPZ Trigger NS Name
	dns_recursive_resolution_succeeded	8	DNS Recursive Resolution Succeeded
	type_A_query	8	dns A query
	rcode_badkey_receive	8	edns response rcode bad key receive
	rcode_badkey_response	8	ends bad key response
	rcode_badmode_receive	8	ends response rcode bad name receive
	total_max_query_len_drop	8	query too long drop
	type_COOKIE_query	8	edns COOKIE query
	type_KEEPALIVE_query	8	edns KEEPALIVE query

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Table 2.54 – continued from previous page

	Counter	Size	Description
	rcode_notimpl_receive	8	response rcode type error receive
	dns_rpz_trigger_client_ip	8	DNS RPZ Trigger Client IP
	dns_total_request	8	total request
	rcode_refuse_receive	8	response rcode refuse receive
	dns_filter_type_ns_drop	8	counters DNS Filter Type NS Drop
	total_mf_dns_pkt_detect	8	total malform dns pkt detected
	dns_filter_type_srv_drop	8	counters DNS Filter Type SRV Drop
	dns_filter_type_others_drop	8	counters DNS Filter Type OTHERS Drop
	gslb_query_drop	8	gslb query drop
	dns_rpz_trigger_qname	8	DNS RPZ Trigger Qname IP
	rcode_yxdomain_response	8	rcode yxdomain response
	dns_rpz_action_tcp_only	8	DNS RPZ Action TCP Only
	gslb_response_rvs	8	gslb response reverse
	rcode_refuse_response	8	rcode refuse response
	rcode_notimpl_response	8	rcode type error response
	rcode_badtime_response	8	edns bad time response
	rcode_noerror_generate	8	rcode no error generate
	dns_rpz_action_nodata	8	DNS RPZ Action NODATA
	dns_recursive_resolution_send_failed	8	DNS Recursive Resolution Send Failed
	slb_dns_padding_to_client_added	8	slb_dns_padding_to_client_added
	type_PADDING_query	8	edns PADDING query
	dns_recursive_resolution_icmp_err	8	DNS Recursive Resolution ICMP Err
	slb_dns_udp_retransmit_fail	8	slb_dns_udp_retransmit_fail
	dns_filter_class_any_drop	8	counters DNS Filter Class ANY Drop
	rcode_dsotypen_receive	8	response rcode dsotypen receive
	rcode_badname_receive	8	ends response rcode bad name receive
	rcode_badalg_response	8	ends bad alg response
	type_TXT_query	8	dns TXT query
	dns_recursive_resolution_ongoing_client_retransmit	8	DNS Recursive Resolution Ongoing Client Retransmit
	rcode_formerr_receive	8	response rcode form error receive
	dns_filter_type_soa_drop	8	counters DNS Filter Type SOA Drop
	rcode_nxrrset_receive	8	response rcode nxrrset receive
	dns_response_drop	8	response drop
	dnsrrl_total_allowed	8	DNS Response-Rate-Limiting Total Responses Allowed
	slb_dns_edns_subnet_to_server_removed	8	slb_dns_edns_subnet_to_server_removed
	dns_rpz_action_local_data	8	DNS RPZ Action Local Data
	type_IXFR_query	8	dns IXFR query
	rcode_badver_response	8	edns bad var response
	type_ANY_query	8	dns ANY query
	total_dns_filter_class_drop	8	counters Total DNS Filter Class Drop
	type_RRSIG_query	8	dns RRSIG query

stats file-inspection

	Counter	Size	Description
	icap_200	8	Receive icap status 200
	download_suspect_ext_inspect	8	Download suspect extrnal inspect
	upload_bad_blocked	8	upload malware blocked
	bad_file_size_less_1m	8	Bad Files Less than 1Mb
	suspect_file_size_1_5m	8	Suspect Files Between 1-5Mb
	orig_conn_bytes_bypassed	8	Original connection bytes bypassed
	upload_suspect_allowed	8	Upload suspect allowed
	download_good_blocked	8	Download safe blocked
	bad_file_size_8_32m	8	Bad Files Between 8-32Mb
	total_file_size_less_1m	8	Total Files Less than 1Mb
	upload_bad_ext_inspect	8	Upload malware extrnal inspect
	non_supported_file	8	Non supported file type
	orig_conn_bytes_sent	8	Original connection bytes sent
	total_file_size_1_5m	8	Total Files Between 1-5Mb
	download_suspect_allowed	8	Download suspect allowed
	icap_204	8	Receive icap status 204
	suspect_file_size_5_8m	8	Suspect Files Between 5-8Mb
	suspect_file_size_8_32m	8	Suspect Files Between 8-32Mb
	total_file_size_5_8m	8	Total Files Between 5-8Mb
	icap_connect_fail	8	Icap connect fail
	upload_good_blocked	8	Upload safe blocked
	icap_other_status_code	8	Receive icap other status code
	total_bandwidth	8	Total File Bytes
	total_file_size_over_32m	8	Total Files over 32Mb
	bypass_aflex	8	Bypassed by aflex
	good_file_size_over_32m	8	Good Files over 32Mb
	total_suspect_bandwidth	8	Total Suspected Files Bytes
	orig_conn_bytes_received	8	Original connection bytes received
	upload_good_ext_inspect	8	Upload safe external inspect
	good_file_size_8_32m	8	Good Files Between 8-32Mb

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Table 2.55 – continued from previous page

	Counter	Size	Description
	bad_file_size_5_8m	8	Bad Files Between 5-8Mb
	icap_500	8	Receive icap status 500
	icap_bytes_sent	8	Icap bytes sent
	reset_service_down	8	Reset - Internal service down
	total_good_bandwidth	8	Total Good Files Bytes
	good_file_size_1_5m	8	Good Files Between 1-5Mb
	icap_connection_closed	8	Icap connection closed
	download_good_allowed	8	Download safe allowed
	download_bad_blocked	8	Download malware blocked
	bad_file_size_over_32m	8	Bad Files over 32Mb
	download_bad_ext_inspect	8	Download malware extrnal inspect
	transactions_aborted	8	Total transactions aborted
	bypass_service_disabled	8	Bypassed - Internal service disabled
	bypass_non_inspection	8	Bypassed non inspection data
	suspect_file_size_less_1m	8	Suspect Files Less than 1Mb
	transactions_alloc	8	Total transactions allocated
	download_bad_allowed	8	Download malware allowed
	bypass_buffered_overlimit	8	Total Bytes Buffered Overlimit
	download_good_ext_inspect	8	Download safe external inspect
	upload_suspect_blocked	8	Upload suspect blocked
	bypass_max_concurrent_files_reached	8	Bypassed - max concurrent files on server reached
	icap_connection_rst	8	Icap connection rst
	total_file_size_8_32m	8	Total Files Between 8-32Mb
	total_bad_bandwidth	8	Total Bad Files Bytes
	upload_suspect_ext_inspect	8	Upload suspect extrnal inspect
	bypass_service_down	8	Bypassed - Internal service down
	icap_bytes_received	8	Icap bytes received
	icap_connection_established	8	Icap connection established
	good_file_size_less_1m	8	Good Files Less than 1Mb
	good_file_size_5_8m	8	Good Files Between 5-8Mb

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Table 2.55 – continued from previous page

	Counter	Size	Description
	transac-tions_failure	8	Total transactions failure
	down-load_suspect_blocked	8	Download suspect blocked
	icap_connection_created	8	Icap connection created
	transac-tions_free	8	Total transactions freed
	by-pass_large_file	8	Bypassed - large file size
	up-load_good_allowed	8	Upload safe allowed
	up-load_bad_allowed	8	Upload malware allowed
	sus-pect_file_size_over_32m	8	Suspect Files over 32Mb
	bad_file_size_1_5m	8	Bad Files Between 1-5Mb

stats http_vport

	Counter	Size	Description
	jsi_api_no_token	2	JSI API no token in auth hdr
	REQ_50u	2	Rsp time less than 50u
	http2_control_bytes	8	Bytes in HTTP/2 control frames
	doh_get_base64_decode_failed	8	DoH GET base64url decode failed
	ws_server_switch	2	WS Server Pkts
	doh_req_send_failed	8	DoH Request Send Failed
	req_get	8	Method GET
	doh_req	8	DoH Requests
	chunk_sz_2k	8	Chunk less than equal to 2K
	doh_resp_send_failed	8	DoH Response Send Failed
	REQ_50m	2	Rsp time less than 5m
	req_put	8	Method PUT
	status_450	2	Status code 450
	doh_tcp_send_failed	8	DoH serv TCP DNS send failed
	REQ_500m	2	Rsp time less than 500m
	doh_non_doh_req_post	8	DoH non DoH POST Requests
	http2_reset_received	8	Reset frames received
	jsi_hash_add_fails	2	JSI hash addition failures
	doh_dns_resp_rcode_err_name	8	DoH DNS Response rcode ERR_NAME
	status_510	2	Status code 510
	ws_handshake_request	2	WS Handshake Req
	jsi_api_responses	2	JSI API responses
	req_sz_2k	8	Req less than equal to 2K
	http2_header_bytes	8	Bytes in HTTP/2 header frames
	req_post	8	Method POST
	rsp_chunk	8	Resp chunk encoding

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Table 2.56 – continued from previous page

	Counter	Size	Description
	doh_dns_resp_rcode_err_server	8	DoH DNS Response rcode ERR_SERVER
	status_207	2	Status code 207
	status_206	2	Status code 206
	status_205	2	Status code 205
	status_204	2	Status code 204
	status_203	2	Status code 203
	status_202	2	Status code 202
	status_201	2	Status code 201
	status_200	2	Status code 200
	jsi_api_no_auth_hdr	2	JSI API no auth hdr
	ws_client_switch	2	WS Client Pkts
	doh_dns_resp_rcode_notauth	8	DoH DNS Response rcode NOTAUTH
	status_406	2	Status code 406
	http2_goaway_received	8	GoAway frames received
	doh_resp_setup_failed	8	DoH Response setup failed
	REQ_20u	2	Rsp time less than 20u
	rsp_sz_32k	8	Resp less than equal to 32K
	status_4xx	2	status code 4XX
	rsp_sz_gt_256k	8	Resp greater than 256K
	total_requests	8	Total number of Requests
	status_3xx	2	status code 3XX
	REQ_200u	2	Rsp time less than 200u
	stream_closed	8	HTTP/2 streams closed
	rsp_sz_2k	8	Resp less than equal to 2K
	rsp_sz_1k	8	Resp less than equal to 1K
	REQ_100m	2	Rsp time less than 100m
	REQ_5m	2	Rsp time less than 5m
	rsp_sz_256k	8	Resp less than equal to 256K
	REQ_100u	2	Rsp time less than 100u
	chunk_sz_512	8	Chunk less than equal to 512
	REQ_5s	2	Rsp time less than 5s
	chunk_sz_4k	8	Chunk less than equal to 4K
	rsp_sz_8k	8	Resp less than equal to 8K
	rsp_sz_16k	8	Resp less than equal to 16K
	req_sz_4k	8	Req less than equal to 4K
	req_sz_256k	8	Req less than equal to 256K
	jsi_hash_lookup_fails	2	JSI hash lookup failures
	REQ_20m	2	Rsp time less than 20m
	doh_dns_resp_rcode_refuse	8	DoH DNS Response rcode REFUSE
	doh_req_tcp_retry	8	DoH TCP Retry
	header_length_long	2	HTTP Header length too long
	doh_non_doh_req_get	8	DoH non DoH GET Requests
	rsp_sz_64k	8	Resp less than equal to 64K
	doh_path_not_found	8	DoH URI Path not found
	REQ_500u	2	Rsp time less than 500u
	REQ_2s	2	Rsp time less than 2s
	jsi_api_requests	2	JSI API requests (AJAX)

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Table 2.56 – continued from previous page

	Counter	Size	Description
	req_sz_gt_256k	8	Req greater than 256K
	doh_resp_que_failed	8	DoH Resp queue failed
	doh_dns_query_type_others	8	DoH Query type Others
	total_http2_bytes	8	Total bytes in HTTP/2 frames
	http2_reset_sent	8	Reset frames sent
	REQ_200m	2	Rsp time less than 200m
	status_307	2	Status code 307
	status_304	2	Status code 304
	status_305	2	Status code 305
	status_302	2	Status code 302
	status_303	2	Status code 303
	status_300	2	Status code 300
	status_301	2	Status code 301
	doh_non_doh_req	8	DoH non DoH Requests
	doh_req_tcp_retry_fail	8	DoH TCP Retry failed
	REQ_10u	2	Rsp time less than 10u
	doh_dns_query_type_srv	8	DoH Query type SRV
	doh_post_payload_extract_failed	8	DoH POST payload extract failed
	doh_dns_query_type_soa	8	DoH Query type SOA
	doh_dns_query_type_ns	8	DoH Query type NS
	doh_req_post	8	DoH POST Requests
	total_http2_conn	8	Total number of HTTP/2 connections
	doh_dns_query_type_a	8	DoH Query type A
	req_sz_1k	8	Req less than equal to 1K
	doh_dns_malformed_query	8	DoH DNS Malformed Query
	REQ_10m	2	Rsp time less than 10m
	req_delete	8	Method DELETE
	doh_get_uri_too_long	8	DoH GET URI too long
	doh_post_payload_too_large	8	DoH POST Payload too large
	doh_req_udp_retry	8	DoH UDP Retry
	rsp_sz_4k	8	Resp less than equal to 4K
	status_306	2	Status code 306
	peak_http2_conn	8	Largest number of concurrent HTTP/2 connections
	doh_udp_dns_req	8	DoH UDP DNS Requests
	doh_dns_resp_rcode_err_format	8	DoH DNS Response rcode ERR_FORMAT
	jsi_requests	2	JSI requests
	req_content_len	8	Req content len
	status_412	2	Status code 412
	status_413	2	Status code 413
	status_410	2	Status code 410
	status_411	2	Status code 411
	status_416	2	Status code 416
	status_417	2	Status code 417
	status_414	2	Status code 414
	status_415	2	Status code 415
	doh_malloc_fail	8	DoH Memory alloc failed

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Table 2.56 – continued from previous page

	Counter	Size	Description
	doh_dns_resp_rcode_yxrrset	8	DoH DNS Response rcode YXRRSET
	status_418	2	Status code 418
	status_unknown	2	Status code unknown
	status_100	2	Status code 100
	status_101	2	Status code 101
	status_102	2	Status code 102
	status_103	2	Status code 103
	jsi_responses	2	JSI responses
	req_trace	8	Method TRACE
	REQ_2m	2	Rsp time less than 2m
	jsi_pri_requests	2	JSI primary requests (AJAX)
	doh_tcp_dns_req	8	DoH TCP DNS Requests
	req_track	8	Method TRACK
	jsi_skip_no_fi	2	JSI skipped - File Inspection not configured
	doh_tcp_dns_resp	8	DoH TCP DNS Responses
	curr_http2_conn	8	Current number of HTTP/2 connections
	ws_handshake_success	2	WS Handshake Res
	doh_dns_resp_rcode_other	8	DoH DNS Response rcode OTHER
	status_504_ax	2	Status code 504 AX-gen
	doh_query_time_out	8	DoH serv Query timed out
	doh_retry_w_tcp	8	DoH Retry with TCP SG
	status_6xx	2	status code 6XX
	doh_post_payload_not_found	8	DoH POST payload not found
	status_5xx	2	status code 5XX
	doh_udp_send_failed	8	DoH serv UDP DNS send failed
	doh_dns_resp_rcode_yxdomain	8	DoH DNS Response rcode YXDOMAIN
	doh_resp_tcp_frags	8	DoH TCP Frags Rcvd
	status_401	2	Status code 401
	status_400	2	Status code 400
	status_403	2	Status code 403
	status_402	2	Status code 402
	status_405	2	Status code 405
	status_404	2	Status code 404
	status_407	2	Status code 407
	status_2xx	2	status code 2XX
	status_409	2	Status code 409
	status_408	2	Status code 408
	req_options	8	Method OPTIONS
	jsi_skip_not_browser	2	JSI skipped - not fromm browser
	doh_dns_resp_rcode_notzone	8	DoH DNS Response rcode NOTZONE
	doh_dns_resp_rcode_nxrrset	8	DoH DNS Response rcode NXRRSET
	http2_goaway_sent	8	GoAway frames sent
	doh_dns_query_type_any	8	DoH Query type ANY
	doh_non_doh_method	8	DoH Non DoH HTTP request method rcvd
	req_sz_8k	8	Req less than equal to 8K
	REQ_1m	2	Rsp time less than 1m

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Table 2.56 – continued from previous page

	Counter	Size	Description
	doh_serv_sel_failed	8	DoH Server Select Failed
	doh_dns_query_type_mx	8	DoH Query type MX
	jsi_skip_no_ua	2	JSI skipped - no User-Agent
	REQ_1s	2	Rsp time less than 1s
	status_1xx	2	status code 1XX
	doh_resp_udp_frags	8	DoH UDP Frags Rcvd
	doh_tc_resp	8	DoH TC Responses
	doh_dns_query_type_cname	8	DoH Query type CNAME
	doh_udp_dns_resp	8	DoH UDP DNS Responses
	doh_dns_resp_rcode_err_type	8	DoH DNS Response rcode ERR_TYPE
	req_connect	8	Method CONNECT
	doh_resp	8	DoH Responses
	doh_resp_header_alloc_failed	8	DoH Resp hdr alloc failed
	http2_data_bytes	8	Bytes in HTTP/2 data frames
	doh_req_udp_retry_fail	8	DoH UDP Retry failed
	req_head	8	Method HEAD
	req_unknown	8	Method UNKNOWN
	req_sz_16k	8	Req less than equal to 16K
	chunk_sz_gt_4k	8	Chunk greater than 4K
	doh_req_get	8	DoH GET Requests
	doh_get_dns_arg_failed	8	DoH GET dns arg not found in uri
	req_sz_64k	8	Req less than equal to 64K
	doh_snat_failed	8	DoH Source NAT failed
	status_423	2	Status code 423
	status_422	2	Status code 422
	status_426	2	Status code 426
	status_425	2	Status code 425
	status_424	2	Status code 424
	status_508	2	Status code 508
	status_509	2	Status code 509
	REQ_OVER_5s	2	Rsp time greater than equal to 5s
	status_500	2	Status code 500
	status_501	2	Status code 501
	status_502	2	Status code 502
	status_503	2	Status code 503
	status_504	2	Status code 504
	status_505	2	Status code 505
	status_506	2	Status code 506
	status_507	2	Status code 507
	chunk_sz_1k	8	Chunk less than equal to 1K
	req_sz_32k	8	Req less than equal to 32K
	status_449	2	Status code 449
	doh_dns_query_type_aaaa	8	DoH Query type AAAA
	doh_post_content_type_mismatch	8	DoH POST content-type not found

stats server-ssh

	Counter	Size	Description
	forwarding_errors	8	forwarding_errors
	successful_handshakes	8	successful_handshakes
	failed_handshakes	8	failed_handshakes

stats smtp_vport

	Counter	Size	Description
	cmd_local	2	Local extension commands
	cmd_noop	2	NOOP commands
	send_server_ehlo	8	Proxy sends server EHLO
	reply_100u	2	Reply time less than 100u
	aflex_switch	8	aFlex SMTP switching
	reply_100m	2	Reply time less than 100m
	code_451	2	Reply code 451
	code_450	2	Reply code 450
	code_452	2	Reply code 452
	code_455	2	Reply code 455
	cmd_expn	2	EXPN commands
	code_521	2	Reply code 521
	reply_2s	2	Reply time less than 2s
	data_sz_64k	2	Data size less than 64KB
	reply_2m	2	Reply time less than 2m
	code_556	2	Reply code 556
	data_sz_8k	2	Data size less than 8KB
	cmd_starttls	2	STARTTLS commands
	code_421	2	Reply code 421
	data_sz_16k	2	Data size less than 16KB
	code_554	2	Reply code 554
	code_555	2	Reply code 555
	code_4xx	2	Reply code 4XX
	code_550	2	Reply code 550
	code_551	2	Reply code 551
	code_552	2	Reply code 552
	code_553	2	Reply code 553
	code_252	2	Reply code 252
	code_251	2	Reply code 251
	code_250	2	Reply code 250
	cmd_vrfy	2	VRFY commands
	data_sz_256k	2	Data size less than 256KB
	total_conn	8	Total number of SMTP connections
	total_replies	8	Total number of replies received
	reply_10m	2	Reply time less than 10m

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Table 2.57 – continued from previous page

	Counter	Size	Description
	aflex_ehlo_sent	8	aFlex SMTP EHLO sent
	data_sz_32k	2	Data size less than 32KB
	code_5xx	2	Reply code 5XX
	reply_10u	2	Reply time less than 10u
	data_sz_128k	2	Data size less than 128KB
	client_ehlo_saved	8	Client EHLO saved
	data_sz_gt_1m	2	Data size greater than 1MB
	data_sz_2k	2	Data size less than 2KB
	reply_200m	2	Reply time less than 200m
	data_sz_512k	2	Data size less than 512KB
	re-ply_over_5s	2	Reply time greater than equal to 5s
	reply_200u	2	Reply time less than 200u
	reply_500u	2	Reply time less than 500u
	reply_5s	2	Reply time less than 5s
	reply_5m	2	Reply time less than 5m
	reply_500m	2	Reply time less than 500m
	reply_20u	2	Reply time less than 20u
	cmd_rcpt	2	RCPT commands
	cmd_mail	2	MAIL commands
	cmd_turn	2	TURN commands
	reply_20m	2	Reply time less than 20m
	code_200	2	Reply code 200
	cmd_unknown	2	Unknown commands
	cmd_data	2	DATA commands
	server_bytes	8	Total bytes in SMTP replies
	cmd_quit	2	QUIT commands
	peak_conn	8	Largest number of concurrent SMTP connections
	fail_to_save_client_ehlo	8	Failed to save client EHLO
	curr_conn	8	Current number of SMTP connections
	aflex_mail_fail	8	aFlex Mail event abort
	cmd_etrn	2	ETRN commands
	reply_50m	2	Reply time less than 5m
	code_214	2	Reply code 214
	code_211	2	Reply code 211
	code_354	2	Reply code 354
	drop_server_ehlo_ok	8	Server EHLO-OK dropped
	data_sz_4k	2	Data size less than 4KB
	reply_50u	2	Reply time less than 50u
	code_2xx	2	Reply code 2XX
	code_3xx	2	Reply code 3XX
	code_220	2	Reply code 220
	code_221	2	Reply code 221
	client_bytes	8	Total bytes in SMTP commands
	code_503	2	Reply code 503
	code_502	2	Reply code 502
	code_501	2	Reply code 501
	code_500	2	Reply code 500

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Table 2.57 – continued from previous page

	Counter	Size	Description
	code_504	2	Reply code 504
	code_unknown	2	Reply code unknown
	total_commands	8	Total number of commands received
	data_sz_1m	2	Data size less than 1MB
	data_sz_1k	2	Data size less than 1KB
	cmd_helo	2	HELO commands
	cmd_ehlo	2	EHLO commands
	cmd_help	2	HELP commands
	cmd_rset	2	RSET commands
	aflex_switch_ok	8	aFlex SMTP switching success
	reply_1s	2	Reply time less than 1s
	code_530	2	Reply code 530
	reply_1m	2	Reply time less than 1m

stats waf

	Counter	Size	Description
	response_cloaking_hide_status_code_success	8	Response Hide Code check passed
	http_limit_max_header_name_length_violation	8	MAX header name length check violation
	dlp_ccn_mastercard_violation	8	MasterCard Credit Card Number Detected
	request_check_url_blacklist_success	8	URI Black List passed
	http_limit_max_data_parse_violation	8	Buffer Overflow - Max Data Parse violation
	brute_force_challenge_cookie_violation	8	Cookie challenge violation
	evasion_check_remove_spaces_success	8	Remove Spaces check passed
	cookie_security_persistent_cookies	8	Cookie Security - persistent cookies
	form_non_masked_password_violation	8	Form Non Masked Password violation
	http_limit_max_cookies_length_violation	8	MAX cookies length violation
	request_check_command_injection_uri_query_success	8	Command Injection Check url query arguments passed
	form_response_non_post_violation	8	Response form method was not POST
	cookie_security_disallowed_persistent_set_cookies	8	Cookie Security - disallowed persistent Set-Cookies
	request_check_session_check_none	8	Session Created
	request_check_referer_redirect	8	Referer Check Redirect
	xml_check_max_cdata_len_violation	8	XML Limit CData Length violation
	evasion_check_high_ascii_bytes_violation	8	High Ascii Bytes check violation
	http_limit_max_param_value_length_violation	8	Limit check - MAX parameter value length violation
	request_check_url_list_learn	8	URL Check Learn

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Table 2.58 – continued from previous page

	Counter	Size	Description
	request_check_xss_post_body_sanitize	8	XSS Check Post Sanitized
	form_check_sanitize	8	Post Form Check Sanitized
	brute_force_challenge_cookie_sent	8	Cookie Challenge Sent
	http_limit_max_post_length_violation	8	MAX POST length violation
	cookie_security_signature_check_violation	8	Cookie Security - signature check violation
	http_protocol_host_header_with_ip_violation	8	Host header with IP check violation
	json_check_max_depth_violation	8	JSON Limit Depth violation
	evasion_check_decode_entities_success	8	Decode Entities check passed
	xml_check_max_namespace_violation	8	XML Limit Namespace violation
	brute_force_response_string_triggered	8	Brute Force Response string Triggered
	action_learn	8	Request Learning Updates
	request_check_url_list_success	8	URL Check passed
	http_protocol_malformed_request_line_violation	8	Malformed request line check violation
	http_limit_max_params_length_success	8	Limit check - MAX parameters total length check passed
	resp_denied	8	Responses Denied
	request_check_sqlia_post_body_success	8	SQLIA Check Post passed
	cookie_security_decrypt_success	8	Cookie Security - decrypt successful
	http_limit_max_param_value_length_success	8	Limit check - MAX parameter value length check passed
	xml_check_max_attr_name_len_violation	8	XML Limit Name Length violation
	cookie_security_session_cookies	8	Cookie Security - session cookies
	request_check_sqlia_url_violation	8	SQLIA Check URL violation
	form_tag_inserted	8	Form A10 Tag Inserted
	max_url_length_success	8	Limit check - MAX URL length check passed
	brute_force_response_codes_triggered	8	Response Codes Triggered
	http_limit_max_cookies_success	8	Max Cookies check passed
	http_limit_max_content_length_success	8	MAX content-length check passed
	cookie_security_sign_skip_rcache	8	Cookie Security - signing skipped - RAM Cache
	xml_check_max_attr_value_len_violation	8	XML Limit Value Length violation
	http_protocol_post_with_0_content_violation	8	POST with 0 content check violation
	cookie_security_disallowed_persistent_cookies	8	Cookie Security - disallowed persistent cookies
	xml_content_check_schema_violation	8	XML Schema violation
	evasion_check_multiple_slashes_violation	8	Multiple Slashes check violation
	http_limit_max_request_length_success	8	Limit check - MAX request length check passed
	response_cloaking_filter_headers_violation	8	Response Headers Filter violation
	request_check_command_injection_uri_query_violation	8	Command Injection Check url query arguments violation
	csp_header_violation	8	CSP header missing
	http_protocol_post_without_content_type_violation	8	POST without content type check violation
	http_limit_max_cookie_header_length_success	8	MAX cookie header length check passed
	http_protocol_post_without_content_success	8	POST without content check passed
	json_check_format_success	8	JSON Check passed
	xml_check_max_elem_success	8	XML Limit Element check passed

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Table 2.58 – continued from previous page

	Counter	Size	Description
	xml_check_xss_success	8	XML XSS Check passed
	response_action_log	8	Log response violation
	http_limit_max_headers_success	8	MAX headers count check passed
	request_check_url_whitelist_success	8	URI White List passed
	dlp_pcre_violation	8	PCRE Mask violation
	brute_force_success	8	Brute-Force checks passed
	cookie_security_decrypt_in_grace_period_violation	8	Cookie Decrypt violation but in grace period
	http_limit_max_cookie_name_length_violation	8	MAX cookie name length violation
	evasion_check_decode_escaped_chars_success	8	Decode Escaped Chars check passed
	dlp_ccn_discover_masked	8	Discover Credit Card Number Masked
	cookie_security_add_http_only_violation	8	Cookie Security - http-only flag violation
	request_check_xss_url_success	8	XSS Check URL passed
	xml_check_max_entity_exp_depth_violation	8	XML Limit Entities Depth violation
	http_protocol_post_without_content_type_success	8	POST without content type check passed
	action_deny_200	8	Request Deny with 200
	cookie_security_encrypt_limit_exceeded	8	Cookie Security - encrypt limit exceeded
	http_protocol_body_without_content_type_violation	8	Body without content type check violation
	xml_check_max_entity_exp_violation	8	XML Limit Entity Decl violation
	csp_header_success	8	CSP header found
	cookie_security_unrecognized_cookie_violation	8	Cookie Security - unrecognized cookie violation
	dlp_pcre_masked	8	PCRE Mask violation
	xml_check_format_success	8	XML Check passed
	xml_check_namespace_uri_len_violation	8	XML Limit Namespace URI Length violation
	http_protocol_malformed_parameter_violation	8	Malformed parameter check violation
	request_check_command_injection_cookies_violation	8	Command Injection Check cookies violation
	json_check_format_violation	8	JSON Check violation
	form_set_no_cache_success	8	Form Set No Cache check passed
	xml_check_xss_violation	8	XML XSS Check violation
	brute_force_challenge_captcha_sent	8	Captcha challenge sent
	dlp_ssn_success	8	Social Security Number Mask check passed
	brute_force_lockout_limit_success	8	Lockout limit check passed
	cookie_security_cookie_policy_violation	8	Cookie Security - cookie policy violation
	xml_check_max_entity_decl_violation	8	XML Limit Entity Decl violation
	http_protocol_missing_host_header_success	8	Missing host header check passed
	http_protocol_malformed_request_violation	8	Malformed request check violation
	http_limit_max_request_length_violation	8	Limit check - MAX request length violation
	xml_check_max_elem_child_violation	8	XML Limit Element Child violation
	http_protocol_malformed_header_violation	8	Malformed header check passed
	request_check_session_check_success	8	Session Check passed
	request_check_bot_violation	8	Bot check violation

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Table 2.58 – continued from previous page

	Counter	Size	Description
	request_check_sqlia_url_sanitize	8	SQLIA Check URL Sanitized
	http_limit_max_header_length_violation	8	MAX header length check violation
	max_url_length_violation	8	Limit check - MAX URL length violation
	http_protocol_allowed_headers_success	8	HTTP headers check passed
	evasion_check_dir_traversal_violation	8	Dir traversal check violation
	form_request_non_post_violation	8	Form Method being Non Post in Request violation
	request_check_xss_post_body_violation	8	XSS Check Post violation
	cookie_security_sign_success	8	Cookie Security - signing successful
	evasion_check_remove_spaces_violation	8	Remove Spaces check violation
	http_limit_max_data_parse_success	8	Buffer Overflow - Max Data Parse check passed
	evasion_check_dir_traversal_success	8	Dir traversal check passed
	form_consistency_violation	8	Form Consistency violation
	http_protocol_malformed_request_success	8	Malformed request check passed
	request_check_xss_url_sanitize	8	XSS Check URL Sanitized
	http_limit_max_cookie_name_length_success	8	MAX cookie name length check passed
	xml_check_max_elem_violation	8	XML Limit Element violation
	request_check_command_injection_headers_success	8	Command Injection Check headers passed
	brute_force_challenge_cookie_success	8	Cookie Challenge check passed
	cookie_security_allowed_session_cookies	8	Cookie Security - allowed session cookies
	xml_check_max_elem_depth_violation	8	XML Limit Element Depth violation
	response_action_deny_reset	8	Response Deny with Resets
	http_protocol_malformed_request_line_success	8	Malformed request line check passed
	form_set_no_cache	8	Form Set No Cache
	request_check_sqlia_post_body_violation	8	SQLIA Check Post violation
	form_check_violation	8	Post Form Check violation
	response_action_allow	8	Response Action allowed
	evasion_check_max_levels_violation	8	Max Levels check violation
	cookie_security_encrypt_violation	8	Cookie Security - encrypt violation
	brute_force_lockout_limit_violation	8	Lockout limit violation
	http_protocol_allowed_method_check_violation	8	HTTP Method Check violation
	http_protocol_malformed_content_length_success	8	Malformed content-length check passed
	http_protocol_missing_host_header_violation	8	Missing host header check violation
	dlp_ccn_jcb_masked	8	JCB Credit Card Number Masked
	http_limit_max_header_length_success	8	MAX header length check passed
	request_check_redirect_wlist_success	8	Redirect Whitelist passed
	xml_check_max_attr_name_len_success	8	XML Limit Name Length check passed
	http_protocol_head_with_content_violation	8	HEAD with content check violation

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Table 2.58 – continued from previous page

	Counter	Size	Description
	learning_list_full	8	Learning list is full
	request_check_xss_cookie_violation	8	XSS Check Cookie violation
	evasion_check_multiple_encoding_levels_violation	8	Multiple Encoding Levels check violation
	http_protocol_body_without_content_type_success	8	Body without content type check passed
	http_protocol_allowed_versions_success	8	HTTP versions check passed
	xml_check_max_entity_decl_success	8	XML Limit Entity Decl check passed
	cookie_security_disallowed_session_set_cookies	8	Cookie Security - disallowed session Set-Cookies
	http_protocol_malformed_header_success	8	Malformed header check passed
	xml_check_sqlia_success	8	XML Sqlia Check passed
	form_consistency_success	8	Form Consistency passed
	xml_check_max_entity_depth_success	8	XML Limit Entity Depth check passed
	action_log	8	Log request violation
	request_check_xss_url_violation	8	XSS Check URL violation
	http_protocol_invalid_url_encoding_success	8	Invalid url encoding check passed
	request_check_referer_violation	8	Referer Check violation
	form_request_non_post_success	8	Form Method being Non Post in Request passed
	json_check_max_object_member_count_success	8	JSON Limit Object Number Count check passed
	dlp_ccn_visa_masked	8	Visa Credit Card Number Masked
	http_limit_max_header_name_length_success	8	MAX header name length check passed
	json_check_max_array_value_count_success	8	JSON Limit Array Value Count check passed
	xml_check_max_entity_exp_depth_success	8	XML Limit Entities Depth check passed
	http_limit_max_headers_length_success	8	MAX headers length check passed
	dlp_ccn_diners_masked	8	Diners Club Credit Card Number Masked
	policy_limit_exceeded	8	Policy limit exceeded
	dlp_ccn_success	8	Credit Card Number check passed
	http_protocol_bad_multipart_request_success	8	Bad multi-part request check passed
	soap_check_violation	8	Soap Check violation
	evasion_check_decode_unicode_chars_success	8	Decode Unicode Chars check passed
	http_limit_max_params_violation	8	Limit check - MAX parameters violation
	cookie_security_sign_limit_exceeded	8	Cookie Security - signing limit exceeded
	request_check_bot_success	8	Bot check passed
	cookie_security_encrypt_skip_rcache	8	Cookie Security - encrypt skipped - RAM cache
	brute_force_challenge_javascript_sent	8	JavaScript challenge sent
	http_limit_max_entities_violation	8	Max Entities violation
	evasion_check_apache_whitespace_success	8	Apache Whitespace check passed
	brute_force_challenge_limit_success	8	Lockout limit check passed
	http_protocol_allowed_versions_violation	8	HTTP versions check violation
	cookie_security_unrecognized_cookie_success	8	Cookie Security - request with unrecognized cookie
	action_deny_reset	8	Request Deny with Resets

continues on next page

Table 2.58 – continued from previous page

	Counter	Size	Description
	form_non_ssl_password_violation	8	Form Non SSL Password violation
	xml_check_max_elem_depth_success	8	XML Limit Element Depth check passed
	http_limit_max_headers_length_violation	8	MAX headers length check violation
	response_action_drop	8	Number of Dropped Responses
	dlp_ccn_visa_violation	8	Visa Credit Card Number Detected
	req_denied	8	Requests Denied
	http_limit_max_params_success	8	Limit check - MAX parameters check passed
	req_allowed	8	Requests Allowed
	cookie_security_add_secure_success	8	Cookie Security - secure flag added
	evasion_check_invalid_hex_encoding_violation	8	Invalid Hex Encoding check violation
	json_check_max_object_member_count_violation	8	JSON Limit Object Number Count violation
	brute_force_challenge_javascript_success	8	JavaScript challenge check passed
	request_check_command_injection_cookies_success	8	Command Injection Check cookies passed
	dlp_ccn_jcb_violation	8	JCB Credit Card Number Detected
	form_non_ssl_password_success	8	Form Non SSL Password check passed
	form_password_autocomplete_success	8	Form Password Autocomplete check passed
	action_allow	8	Request Action allowed
	http_limit_max_cookies_length_success	8	MAX cookies length check passed
	action_deny_redirect	8	Request Deny with Redirect
	http_limit_max_param_name_length_success	8	Limit check - MAX parameter name length check passed
	dlp_ccn_diners_violation	8	Diners Club Credit Card Number Detected
	http_protocol_malformed_parameter_success	8	Malformed parameter check passed
	http_protocol_invalid_url_encoding_violation	8	Invalid url encoding check violation
	xml_check_max_attr_value_len_success	8	XML Limit Value Length check passed
	request_check_url_whitelist_violation	8	URI White List violation
	request_check_xss_cookie_success	8	XSS Check Cookie passed
	request_check_command_injection_form_body_success	8	Command Injection Check form body arguments passed
	http_protocol_success	8	HTTP Check passed
	http_protocol_bad_multipart_request_violation	8	Bad multi-part request check violation
	xml_check_max_namespace_success	8	XML Limit Namespace check passed
	dlp_ccn_mastercard_masked	8	MasterCard Credit Card Number Masked
	form_check_success	8	Post Form Check passed
	action_deny_custom_response	8	Request Deny with custom response
	xml_check_sqlia_violation	8	XML Sqlia Check violation
	cookie_security_sign_violation	8	Cookie Security - signing violation
	evasion_check_decode_escaped_chars_violation	8	Decode Escaped Chars check violation
	too_many_sessions	8	Too many sessions consumed
	cookie_security_add_secure_violation	8	Cookie Security - secure flag violation
	json_check_max_array_value_count_violation	8	JSON Limit Array Value Count violation

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Table 2.58 – continued from previous page

	Counter	Size	Description
	evasion_check_max_levels_success	8	Max Levels check passed
	http_limit_max_query_length_violation	8	Limit check - MAX query length violation
	xml_check_max_elem_name_len_violation	8	XML Limit Element Name Length violation
	http_protocol_multiple_content_length_success	8	Multiple content-length headers check passed
	regex_violation	8	Regular expression failure
	xml_check_max_attr_violation	8	XML Limit Attribute violation
	http_limit_max_header_value_length_violation	8	MAX header value length check violation
	http_limit_max_request_line_length_success	8	Limit check - MAX request line length check passed
	cookie_security_disallowed_session_cookies	8	Cookie Security - disallowed session cookies
	xml_content_check_schema_success	8	XML Schema passed
	evasion_check_high_ascii_bytes_success	8	High Ascii Bytes check passed
	http_protocol_head_with_content_success	8	HEAD with content check passed
	http_limit_max_content_length_violation	8	MAX content-length check violation
	http_protocol_missing_header_value_violation	8	Missing header value check violation
	http_limit_max_cookie_header_length_violation	8	MAX cookie header length violation
	xml_check_max_cdata_len_success	8	XML Limit CData Length check passed
	response_cloaking_filter_headers_success	8	Response Headers Filter check passed
	cookie_security_missing_cookie_success	8	Cookie Security - request with missing cookie
	http_protocol_post_without_content_violation	8	POST without content check violation
	cookie_security_persistent_cookies_signed	8	Cookie Security - signed persistent cookies
	soap_check_success	8	Soap Check passed
	request_check_redirect_wlist_violation	8	Redirect Whitelist violation
	http_limit_max_request_line_length_violation	8	Limit check - MAX request line length violation
	xml_check_max_elem_child_success	8	XML Limit Element Child check passed
	response_action_deny_custom_response	8	Response Deny with custom response
	http_limit_max_post_length_success	8	MAX POST length check passed
	request_check_url_blacklist_violation	8	URI Black List violation
	dlp_ccn_discover_violation	8	Discover Credit Card Number Detected
	http_limit_max_headers_violation	8	Max Headers violation
	xml_check_max_elem_name_len_success	8	XML Limit Element Name Length check passed
	request_check_sqlia_post_body_sanitize	8	SQLIA Check Post Sanitized
	form_csrf_tag_violation	8	Form CSRF tag violation
	form_non_masked_password_success	8	Form Non Masked Password check passed
	json_check_max_string_violation	8	JSON Limit String violation
	http_protocol_non_ssl_cookie_prefix_violation	8	Cookie Name Prefix check violation
	http_limit_max_entities_success	8	Max Entities check passed
	action_drop	8	Number of Dropped Requests
	http_protocol_missing_header_value_success	8	Missing header value check violation
	xml_check_format_violation	8	XML Check violation
	request_check_xss_post_body_success	8	XSS Check Post passed
	xml_check_max_attr_success	8	XML Limit Attribute check passed

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Table 2.58 – continued from previous page

	Counter	Size	Description
	dlp_ccn_amex_masked	8	Amex Credit Card Number Masked
	form_password_autocomplete_violation	8	Form Password Autocomplete violation
	response_cloaking_hide_status_code_violation	8	Response Hide Code violation
	request_check_sqlia_url_success	8	SQLIA Check URL passed
	http_protocol_allowed_headers_violation	8	HTTP headers check violation
	brute_force_violation	8	Brute-Force checks violation
	brute_force_challenge_captcha_success	8	Captcha challenge check passed
	brute_force_response_headers_triggered	8	Brute Force Response Headers Triggered
	http_limit_max_param_name_length_violation	8	Limit check - MAX parameter name length violation
	response_action_deny_redirect	8	Response Deny with Redirect
	cookie_security_add_samesite_success	8	Cookie Security - samesite attribute added successfully
	evasion_check_remove_comments_violation	8	Remove Comments check violation
	request_check_command_injection_form_body_violation	8	Command Injection Check form body arguments violation
	evasion_check_decode_entities_violation	8	Decode Entities check violation
	request_check_session_check_violation	8	Session Check violation
	form_non_ssl_success	8	Form Non SSL check passed
	cookie_security_session_cookies_signed	8	Cookie Security - signed session cookies
	xml_check_max_entity_depth_violation	8	XML Limit Entity Depth violation
	xml_content_check_wsdl_violation	8	WSDL violation
	json_check_max_depth_success	8	JSON Limit Depth check passed
	http_protocol_get_with_content_violation	8	GET with content check violation
	cookie_security_disallowed_session_set_cookies	8	Cookie Security - disallowed session Set-Cookies
	xml_check_namespace_uri_len_success	8	XML Limit Namespace URI Length check passed
	evasion_check_multiple_slashes_success	8	Multiple Slashes check passed
	http_limit_max_params_length_violation	8	Limit check - MAX parameters total length violation
	http_protocol_violation	8	HTTP Check violation
	csp_header_inserted	8	CSP header Inserted
	form_non_ssl_violation	8	Form Non SSL violation
	http_protocol_host_header_with_ip_success	8	Host header with IP check passed
	sessions_freed	8	Sessions freed
	out_of_sessions	8	Out of sessions
	dlp_ssn_violation	8	Social Security Number Mask violation
	form_response_non_post_success	8	Response form method was POST
	sessions_alloc	8	Sessions allocated
	request_check_command_injection_headers_violation	8	Command Injection Check headers violation
	form_response_non_post_sanitize	8	Changed response form method to POST
	http_protocol_non_ssl_cookie_prefix_success	8	Cookie Name Prefix check passed

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Table 2.58 – continued from previous page

	Counter	Size	Description
	request_check_referer_success	8	Referer Check passed
	cookie_security_missing_cookie_violation	8	Cookie Security - missing cookie violation
	response_action_deny_403	8	Response Deny with 403
	http_protocol_malformed_content_length_violation	8	Malformed content-length check violation
	cookie_security_persistent_cookies_encrypted	8	Cookie Security - encrypted persistent cookies
	evasion_check_decode_unicode_chars_violation	8	Decode Unicode Chars check violation
	evasion_check_invalid_hex_encoding_success	8	Invalid Hex Encoding check passed
	evasion_check_apache_whitespace_violation	8	Apache Whitespace check violation
	response_action_deny_200	8	Response Deny with 200
	cookie_security_signature_check_success	8	Cookie Security - signature check successful
	brute_force_challenge_limit_violation	8	Lockout limit violation
	response_action_learn	8	Response Learning Updates
	total_req	8	Total Requests
	http_limit_max_cookie_value_length_success	8	MAX cookie value length check passed
	http_protocol_multiple_content_length_violation	8	Multiple content-length headers check violation
	action_deny_403	8	Request Deny with 403
	form_csrf_tag_success	8	Form CSRF tag passed
	http_protocol_post_with_0_content_success	8	POST with 0 content check passed
	cookie_security_encrypt_success	8	Cookie Security - encrypt successful
	request_check_xss_cookie_sanitize	8	XSS Check Cookie Sanitized
	cookie_security_cookie_policy_success	8	Cookie Security - cookie policy passed
	xml_content_check_wsdl_success	8	WSDL passed
	cookie_security_disallowed_persistent_set_cookies	8	Cookie Security - disallowed persistent Set-Cookies
	cookie_security_decrypt_violation	8	Cookie Security - decrypt violation
	http_protocol_get_with_content_success	8	GET with content check passed
	request_check_redirect_wlist_learn	8	Redirect Whitelist Learn
	http_limit_max_header_value_length_success	8	MAX header value length check passed
	evasion_check_remove_comments_success	8	Remove Comments check passed
	brute_force_challenge_javascript_violation	8	JavaScript challenge violation
	evasion_check_multiple_encoding_levels_success	8	Multiple Encoding Levels check passed
	cookie_security_allowed_persistent_cookies	8	Cookie Security - allowed persistent cookies
	http_protocol_allowed_method_check_success	8	HTTP Method Check passed
	request_check_url_list_violation	8	URL Check violation
	cookie_security_add_samesite_violation	8	Cookie Security - samesite attribute violation
	http_limit_max_query_length_success	8	Limit check - MAX query length check passed
	cookie_security_add_http_only_success	8	Cookie Security - http-only flag added

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Table 2.58 – continued from previous page

	Counter	Size	Description
	dlp_ccn_amex_violation	8	Amex Credit Card Number Detected
	json_check_max_string_success	8	JSON Limit String check passed
	http_limit_max_cookie_value_length_violation	8	MAX cookie value length violation
	brute_force_challenge_captcha_violation	8	Captcha challenge violation
	dlp_pcre_success	8	PCRE Mask check passed
	xml_check_max_entity_exp_success	8	XML Limit Entity Decl check passed
	cookie_security_session_cookies_encrypted	8	Cookie Security - encrypted session cookies
	http_limit_max_cookies_violation	8	Max Cookies violation

stats data

	Counter	Size	Description
	curr_req	8	Current requests
	curr_req_rate	8	Current request rate
	dns_filter_type_aaaa_drop	8	DNS Filter Type AAAA Drop
	dns_rpz_trigger_qname	8	DNS RPZ Trigger Qname IP
	dns_rpz_trigger_client_ip	8	DNS RPZ Trigger Client IP
	dns_filter_type_a_drop	8	DNS Filter Type A Drop
	total_rev_pkts_out	8	Packets processed in reverse direction (outbound)
	curr_ssl_conn	8	Current SSL connections
	total_fwd_bytes_out	8	Bytes processed in forward direction (outbound)
	loc_deny	8	Geo-location Deny count
	dns_filter_type_mx_drop	8	DNS Filter Type MX Drop
	dns_filter_class_internet_drop	8	DNS Filter Class INTERNET Drop
	curr_resp	8	Current response
	dns_filter_type_srv_drop	8	DNS Filter Type SRV Drop
	dns_filter_type_soa_drop	8	DNS Filter Type SOA Drop
	total_fwd_bytes	8	Bytes processed in forward direction
	curr_resp_rate	8	Current response rate
	backend-time-to-last-byte	8	Backend Time from Request to Response Last Byte
	dns_filter_class_any_drop	8	DNS Filter Class ANY Drop
	dnsrrl_total_slipped	8	DNS Response-Rate-Limiting Total Responses Slipped
	dns_filter_type_others_drop	8	DNS Filter Type OTHERS Drop
	total_resp_succ	8	Total successful responses
	dnsrrl_bad_fqdn	8	DNS Response-Rate-Limiting Bad FQDN
	dns_rpz_action_drop	8	DNS RPZ Action Drop
	compression_miss	2	Number of requests NOT compressed
	loc_permit	8	Geo-location Permit count
	loc_conn	8	Geo-location Connection count

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Table 2.59 – continued from previous page

	Counter	Size	Description
	fastest_rsp_time	8	Fastest response time
	total_fwd_pkts	8	Packets processed in forward direction
	ip_only_lb_fwd_bytes	8	IP-Only-LB Bytes processed in forward direction
	dns_rpz_trigger_resp_ip	8	DNS RPZ Trigger Response IP
	dnsrrl_total_allowed	8	DNS Response-Rate-Limiting Total Responses Allowed
	total_tcp_conn	8	Total TCP connections established
	total_mf_dns_pkts	2	Total MF DNS packets
	ip_only_lb_rev_bytes	8	IP-Only-LB Bytes processed in reverse direction
	dns_rpz_action_nodata	8	DNS RPZ Action NODATA
	dns_filter_class_chaos_drop	8	DNS Filter Class CHAOS Drop
	dns_filter_type_ptr_drop	8	DNS Filter Type PTR Drop
	compression_miss_template_exclusion	2	Compression miss template exclusion
	in-latency	8	Request Latency at Thunder
	total_dns_pkts	2	Total DNS packets processed
	dns_rpz_action_tcp_only	8	DNS RPZ Action TCP Only
	out-latency	8	Response Latency at Thunder
	peak_conn	8	Peak connections
	total_rev_bytes_out	8	Bytes processed in reverse direction (outbound)
	ip_only_lb_fwd_pkts	8	IP-Only-LB Packets processed in forward direction
	compression_bytes_after	2	Data out of compression engine
	dns_rpz_action_local_data	8	DNS RPZ Action Local Data
	total_req	8	Total requests
	dnsrrl_total_dropped	8	DNS Response-Rate-Limiting Total Responses Dropped
	compression_bytes_before	2	Data into compression engine
	dns_filter_class_hesiod_drop	8	DNS Filter Class HESIOD Drop
	backend-time-to-first-byte	8	Backend Time from Request to Response First Byte
	last_rsp_time	8	Last response time
	curr_conn	8	Current established connections
	throughput-bits-per-sec	8	Throughput in bits/sec
	dns_rpz_trigger_ns_ip	8	DNS RPZ Trigger NS IP
	dns_rpz_action_nxdomain	8	DNS RPZ Action NXDOMAIN
	total_fwd_pkts_out	8	Packets processed in forward direction (outbound)
	total_rev_bytes	8	Bytes processed in reverse direction
	dns_filter_class_none_drop	8	DNS Filter Class NONE Drop
	total_dns_filter_type_drop	8	Total DNS Filter Type Drop

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Table 2.59 – continued from previous page

	Counter	Size	Description
	curr_conn_rate	8	Current connection rate
	compres-sion_miss_no_client	2	Compression miss no client
	es_total_failure_actions	2	Total failure actions
	ip_only_lb_rev_pkts	8	IP-Only-LB Packets processed in reverse direction
	dns_filter_class_others_drop	8	DNS Filter Class OTHERS Drop
	to-tal_ssl_conn	8	Total SSL connections
	total_conn	8	Total connections established
	to-tal_rev_pkts	8	Packets processed in reverse direction
	to-tal_l7_conn	8	Total L7 connections established
	dns_filter_type_txt_drop	8	DNS Filter Type TXT Drop
	to-tal_dns_filter_class_drop	8	Total DNS Filter Class Drop
	to-tal_req_succ	8	Total successful requests
	dynamic-memory	8	dynamic memory (bytes) used by the vport(alloc-free)
	dns_filter_type_cname_drop	8	DNS Filter Type CNAME Drop
	total_resp	8	Total response
	dns_rpz_action_pass_thru	8	DNS RPZ Action Pass Through
	dns_filter_type_ns_drop	8	DNS Filter Type NS Drop
	dns_filter_type_any_drop	8	DNS Filter Type Any Drop
	to-tal_l4_conn	8	Total L4 connections established
	slow-est_rsp_time	8	Slowest response time
	dns_rpz_trigger_ns_name	8	DNS RPZ Trigger NS Name
	compres-sion_hit	2	Number of requests compressed

operational data

	Counter	Size	Description
	http_host_hits	flag	http_host_hits
	cpu-count	number	cpu-count
	loc_last	string	loc_last
	loc_list	string	loc_list
	http-hits-list		http-hits-list
	http_vport	flag	http_vport
	http_url_hits	flag	http_url_hits
	loc_max_depth	number	loc_max_depth
	level_str	string	level_str
	loc_error	number	loc_error
	state	enum	Output contains one of the following values: - All Up, Functional Up, Down, Disb, Unkn
	geo_location	string	geo_location
	http-vport-cpu-list		http-vport-cpu-list
	real_curr_conn	number	real_curr_conn
	loc_success	number	loc_success
	curr_conn_overflow	number	curr_conn_overflow
	group_id	number	group_id
	loc_override	number	loc_override

2.93 smtp

Objects:

2.93.1 smtp

Configure SMTP Server

smtp Specification

Type	*Configuration Resource*
Element Name	smtp
Element URI	/axapi/v3/smtp
Element Attributes	smtp_attributes
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/smtp

smtp attributes

```
POST /axapi/v3/smtp
Payload:
{
    "smtp": {
        "smtp-server": "a"
    }
}
```

Get Object

GET

/axapi/v3/smtp

smtp attributes

```
GET /axapi/v3/smtp
Reponse:
{
    "smtp": {
        "smtp-server": "a",
        "needauthentication": 0,
        "uuid": "43d3c482-5bf7-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/smtp"
    }
}
```

Modify Object

POST

/axapi/v3/smtp

smtp attributes

Replace Object

PUT

/axapi/v3/smtp

smtp attributes

```
PUT /axapi/v3/smtp
Payload:
{
    "smtp": {
        "smtp-server": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/smtp

smtp attributes

```
DELETE /axapi/v3/smtp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

smtp attributes

mailfrom

Description Configure email source address

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

needauthentication

Description Configure SMTP server need authtication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Configure SMTP Port (Configure SMTP port, default is 25)

Type: number

Range: 1-65535

smtp-server

Description Configure SMTP Server (length:1-254)

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

Mutual Exclusion: smtp-server and smtp-server-v6 are mutually exclusive

smtp-server-v6

Description Configure SMTP Server IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: smtp-server-v6 and smtp-server are mutually exclusive

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *username-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

username-cfg

Specification	
Type	*object*

password

Description: password is a **JSON Block**. Please see below for *username-cfg_password*

Type: Object

username

Description Configure SMTP login username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

username-cfg_password

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

smtp-password

Description Configure SMTP login password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

2.94 snmp-server

Objects:

2.94.1 snmp-server

Configure SNMP engine parameters

snmp-server Specification

Type	*Intermediate Resource*
Element Name	snmp-server
Element URI	/axapi/v3/snmp-server
Element Attributes	snmp-server_attributes
Schema	`snmp-server schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server

snmp-server_attributes

snmp-server attributes

SNMPv1-v2c

Description: SNMPv1-v2c is a **JSON Block**. Please see below for *SNMPv1-v2c*

Type: Object

Refernce Object: */axapi/v3/snmp-server/SNMPv1-v2c*

SNMPv3

Description: SNMPv3 is a **JSON Block**. Please see below for *SNMPv3*

Type: Object

Refernce Object: */axapi/v3/snmp-server/SNMPv3*

community

Description: community is a **JSON Block**. Please see below for *community*

Type: Object

Refernce Object: */axapi/v3/snmp-server/community*

contact

Description: contact is a **JSON Block**. Please see below for *contact*

Type: Object

Refernce Object: */axapi/v3/snmp-server/contact*

disable

Description: disable is a **JSON Block**. Please see below for *disable*

Type: Object

Refernce Object: */axapi/v3/snmp-server/disable*

enable

Description: enable is a **JSON Block**. Please see below for *enable*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable*

engineID

Description: engineID is a **JSON Block**. Please see below for *engineID*

Type: Object

Refernce Object: */axapi/v3/snmp-server/engineID*

group-list

Type: List

Refernce Object: */axapi/v3/snmp-server/group/{groupname}*

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Refernce Object: */axapi/v3/snmp-server/host*

location

Description: location is a **JSON Block**. Please see below for *location*

Type: Object

Refernce Object: */axapi/v3/snmp-server/location*

management-index

Description: management-index is a **JSON Block**. Please see below for *management-index*

Type: Object

Refernce Object: */axapi/v3/snmp-server/management-index*

slb-data-cache-timeout

Description: slb-data-cache-timeout is a **JSON Block**. Please see below for *slb-data-cache-timeout*

Type: Object

Refernce Object: */axapi/v3/snmp-server/slb-data-cache-timeout*

table-timeout-list

Type: List

Refernce Object: */axapi/v3/snmp-server/table-timeout/{table}*

user-list

Type: List

Refernce Object: */axapi/v3/snmp-server/user/{username}*

view-list

Type: List

Refernce Object: */axapi/v3/snmp-server/view/{viewname}+{oid}*

table-timeout-list

Specification	
Type	*list*
Block object keys	

table

Description SNMP table name or table oid

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description timeout value

Type: number

Range: 1-60

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable

Specification	
Type	*object*

service

Description Enable SNMP service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps

Description: traps is a **JSON Block**. Please see below for *enable_traps*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps

Specification	
Type	*object*

all

Description Enable all SNMP traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description: gslb is a **JSON Block**. Please see below for *enable_traps_gslb*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/gslb*

lldp

Description Enable lldp traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn

Description: lsn is a **JSON Block**. Please see below for *enable_traps_lsn*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/lsn*

network

Description: network is a **JSON Block**. Please see below for *enable_traps_network*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/network*

routing

Description: routing is a **JSON Block**. Please see below for *enable_traps_routing*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing*

slb

Description: slb is a **JSON Block**. Please see below for *enable_traps_slb*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/slb*

slb-change

Description: slb-change is a **JSON Block**. Please see below for *enable_traps_slb-change*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/slb-change*

snmp

Description: snmp is a **JSON Block**. Please see below for *enable_traps_snmp*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/snmp*

ssl

Description: ssl is a **JSON Block**. Please see below for *enable_traps_ssl*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/ssl*

system

Description: system is a **JSON Block**. Please see below for *enable_traps_system*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/system*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs

Description: vcs is a **JSON Block**. Please see below for *enable_traps_vcs*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/vcs*

vrrp-a

Description: vrrp-a is a **JSON Block**. Please see below for *enable_traps_vrrp-a*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/vrrp-a*

enable_traps_slb-change

Specification	
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-resource-event

Description Enable system connection resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-usage-warning

Description Enable partition resource usage warning trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Enable slb server create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Enable slb server port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-change

Description Enable SSL certificate change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-expire

Description Enable SSL certificate expiring trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-threshold

Description Enable slb system threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description Enable slb vip create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port

Description Enable slb vip-port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable_traps_lsn

Specification	
Type	*object*

all

Description Enable all LSN group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mapping-file-change

Description Enable LSN trap when fixed nat port mapping file change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-ipport-threshold

Description Maximum threshold

Type: number

Range: 10000-64512

Default: 64512

max-port-threshold

Description Maximum threshold

Type: number

Range: 10000-655355000

Default: 655350000

per-ip-port-usage-threshold

Description Enable LSN trap when IP total port usage reaches the threshold (default 64512)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-port-usage-threshold

Description Enable LSN trap when NAT total port usage reaches the threshold (default 655350000)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-exceeded

Description Enable LSN trap when NAT pool reaches the threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_vrrp-a

Specification	
Type	*object*

active

Description Enable VRRP-A active trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description Enable all VRRP-A group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby

Description Enable VRRP-A standby trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_snmp

Specification	
Type	*object*

all

Description Enable all SNMP group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkdown

Description Enable SNMP link-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkup

Description Enable SNMP link-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_system

Specification	
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

control-cpu-high

Description Enable control CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu-high

Description Enable data CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fan

Description Enable system fan trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-sys-read-only

Description Enable file system read-only trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-disk-use

Description Enable system high disk usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-memory-use

Description Enable system high memory usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-temp

Description Enable system high temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-management

Description Enable system license management traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-temp

Description Enable system low temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-drop

Description Enable system packet dropped trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

power

Description Enable system power supply trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri-disk

Description Enable system primary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Enable system restart trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec-disk

Description Enable system secondary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shutdown

Description Enable system shutdown trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp-resource-event

Description Enable system smp resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start

Description Enable system start trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syslog-severity-one

Description Enable system syslog severity one messages trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacacs-server-up-down

Description Enable system TACACS monitor server up/down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_ssl

Specification	
Type	*object*

server-certificate-error

Description Enable SSL server certificate error trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_vcs

Specification	
Type	*object*

state-change

Description Enable VCS state change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_routing

Specification	
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *enable_traps_routing_bgp*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/bgp*

isis

Description: isis is a **JSON Block**. Please see below for *enable_traps_routing_isis*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *enable_traps_routing_ospf*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/ospf*

enable_traps_routing_bgp

Specification	
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_routing_ospf

Specification	
Type	*object*

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_routing_isis

Specification	
Type	*object*

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_gslb

Specification	
Type	*object*

all

Description Enable all GSLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group

Description Enable GSLB group related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-ip

Description Enable GSLB service-ip related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

site

Description Enable GSLB site related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Enable GSLB zone related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable_traps_slb

Specification	
Type	*object*

all

Description Enable all SLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

application-buffer-limit

Description Enable application buffer reach limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-exceed

Description Enable SLB server/port bandwidth rate limit exceed trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Enable SLB server/port bandwidth rate limit resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-down

Description Enable SLB server gateway down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-up

Description Enable SLB server gateway up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-limit

Description Enable SLB server connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-resume

Description Enable SLB server connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disabled

Description Enable SLB server-disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-down

Description Enable SLB server-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-selection-failure

Description Enable SLB server selection failure trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-up

Description Enable slb server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-limit

Description Enable SLB service connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-resume

Description Enable SLB service connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-down

Description Enable SLB service-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-down

Description Enable SLB service-group-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-down

Description Enable SLB service-group-member-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-up

Description Enable SLB service-group-member-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-up

Description Enable SLB service-group-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-up

Description Enable SLB service-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-connlimit

Description Enable the virtual server reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-connratelimit

Description Enable the virtual server reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-down

Description Enable SLB virtual server down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connlimit

Description Enable the virtual port reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connratelimit

Description Enable the virtual port reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-down

Description Enable SLB virtual port down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-up

Description Enable SLB virtual port up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-up

Description Enable SLB virtual server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable_traps_network

Specification	
Type	*object*

trunk-port-threshold

Description Enable network trunk-port-threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-data-cache-timeout

Specification	
Type	*object*

slblimit

Description Cache time-out in seconds, default as 60 seconds

Type: number

Range: 5-120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

view-list

Specification	
Type	*list*
Block object keys	

mask

Description Hex octets, separated by '.', mask of oid

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: mask and type are mutually exclusive

oid

Description MIB view family name or oid

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'included': MIB family is included in the view; 'excluded': MIB family is excluded from the view;

Type: string

Supported Values: included, excluded

Mutual Exclusion: type and mask are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

viewname

Description Name of the view

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

community

Specification	
Type	*object*

read-list

Type: List

Refernce Object: */axapi/v3/snmp-server/community/read/{user}*

community_read-list

Specification	
Type	*list*
Block object keys	

oid-list

Type: List

Refernce Object: */axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}*

remote

Description: remote is a **JSON Block**. Please see below for *community_read-list_remote*

Type: Object

user

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community_read-list_oid-list

Specification	
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *community_read-list_oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community_read-list_oid-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

community_read-list_oid-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

community_read-list_oid-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

community_read-list_oid-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

community_read-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

community_read-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

community_read-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

community_read-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

contact

Specification	
Type	*object*

contact-name

Description Identification of the contact person for this managed node

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	
Type	*object*

host-name-list

Type: List

Refernce Object: */axapi/v3/snmp-server/host/host-name/{hostname}+{version}*

ipv4-host-list

Type: List

Refernce Object: */axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}*

ipv6-host-list

Type: List

Refernce Object: */axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}*

host_ipv6-host-list

Specification	
Type	*list*
Block object keys	

ipv6-addr

Description help IPV6 address of SNMP trap host

Type: string

Format: ipv6-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

host_host-name-list

Specification	
Type	*list*
Block object keys	

hostname

Description Hostname of SNMP trap host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

host_ipv4-host-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description help IPV4 address of SNMP trap host

Type: string

Format: ipv4-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

management-index

Specification	
Type	*object*

mgmt-index

Description index number

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable

Specification	
Type	*object*

a10cmsubagent

Description Disable a10cmsubagent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps

Description: traps is a **JSON Block**. Please see below for *disable_traps*

Type: Object

Refernce Object: */axapi/v3/snmp-server/disable/traps*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable_traps

Specification	
Type	*object*

all

Description Disable all traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description Disable all gslb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description Disable all slb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-change

Description Disable all slb-change traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp

Description Disable all snmp traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrrp-a

Description Disable all vrrp-a on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

location

Specification	
Type	*object*

loc

Description The physical location of this node

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list

Specification	
Type	*list*
Block object keys	

groupname

Description Name of the group

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

read

Description specify a read view for the group (read view name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': group using the authNoPriv Security Level; 'noauth': group using the noAuthNoPriv Security Level; 'priv': group using SNMPv3 authPriv security level;

Type: string

Supported Values: auth, noauth, priv

SNMPv3

Specification	
Type	*object*

user-list

Type: List

Refernce Object: */axapi/v3/snmp-server/SNMPv3/user/{username}*

SNMPv3_user-list

Specification	
Type	*list*
Block object keys	

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication;

Type: string

Supported Values: md5, sha

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

user-list

Specification	
Type	*list*
Block object keys	

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication;

Type: string

Supported Values: md5, sha

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

engineID

Specification	
Type	*object*

engId

Description Define local engineID HEX WORD

Type: string

Maximum Length: 24 characters

Maximum Length: 10 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

SNMPv1-v2c

Specification	
Type	*object*

user-list

Type: List

Refernce Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}*

SNMPv1-v2c_user-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED community string)

oid-list

Type: List

Refernce Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}*

passwd

Description define value of community string

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *SNMPv1-v2c_user-list_remote*

Type: Object

user

Description SNMPv1/v2c community configuration key

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

SNMPv1-v2c_user-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

SNMPv1-v2c_user-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

SNMPv1-v2c_user-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

SNMPv1-v2c_user-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

SNMPv1-v2c_user-list_oid-list

Specification	
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *SNMPv1-v2c_user-list_oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

SNMPv1-v2c_user-list_oid-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

SNMPv1-v2c_user-list_oid-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

SNMPv1-v2c_user-list_oid-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

SNMPv1-v2c_user-list_oid-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.94.2 snmp-server SNMPv1-v2c

Specify the SNMPv1/v2c configuration

SNMPv1-v2c Specification

Type	*Intermediate Resource*
Element Name	SNMPv1-v2c
Element URI	/axapi/v3/snmp-server/SNMPv1-v2c
Element Attributes	SNMPv1-v2c_attributes
Schema	`SNMPv1-v2c schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/SNMPv1-v2c

SNMPv1-v2c_attributes

SNMPv1-v2c attributes

user-list

Type: List

Refernce Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}*

user-list

Specification	
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED community string)

oid-list

Type: List

Refernce Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}*

passwd

Description define value of community string

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *user-list_remote*

Type: Object

user

Description SNMPv1/v2c community configuration key

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

user-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

user-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

user-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

user-list_oid-list

Specification	
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *user-list_oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-list_oid-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

user-list_oid-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

user-list_oid-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

user-list_oid-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.94.3 snmp-server SNMPv1-v2c user

Define configuration for SNMPv1/v2c user

user Specification

Type	*Collection*
Object Key(s)	*user*
Collection Name	*user-list*
Collection URI	/axapi/v3/snmp-server/SNMPv1-v2c/user
Element Name	user
Element URI	/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}
Element Attributes	user_attributes
Schema	`user schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user

user attributes

```
POST /axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/
Payload:
{
    "oid": {
        "oid-val": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user

user attributes

Get Object

GET

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}

user attributes

```
GET /axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/a
Reponse:
{
    "oid": {
        "oid-val": "a",
        "uuid": "76aeb0dc-6139-11d9-bcb8-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/SNMPv1-v2c/user

user-list

Modify Object

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}

user attributes

Replace Object

PUT

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}

user attributes

```
PUT /axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/a
Payload:
{
    "oid": {
        "oid-val": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/SNMPv1-v2c/user

user-list

Delete Object

DELETE

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}

user attributes

```
DELETE /axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

user-list

user-list is **JSON List** of *user attributes*

user-list : [

{ *user attributes* },

{ *user attributes* },

...

]

user attributes

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED community string)

oid-list

Type: List

Refernce Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}*

passwd

Description define value of community string

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

user

Description SNMPv1/v2c community configuration key

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

oid-list

Specification	
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oid-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

oid-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

oid-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

oid-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.94.4 snmp-server SNMPv1-v2c user oid

Define a remote entity to which user belongs

oid Specification

Type	*Collection*
Object Key(s)	*oid-val*
Collection Name	*oid-list*
Collection URI	/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid
Element Name	oid
Element URI	/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}
Element Attributes	oid_attributes
Schema	`oid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid

oid attributes

Create List

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid

oid attributes

Get Object

GET

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}

oid attributes

Get List

GET

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid

oid-list

Modify Object

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}

oid attributes

Replace Object

PUT

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}

oid attributes

Replace List

PUT

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid

oid-list

Delete Object

DELETE

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}

oid attributes

oid-list

oid-list is **JSON List** of *oid attributes*

oid-list : [

{ *oid attributes* },

{ *oid attributes* },

...

]

oid attributes

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.94.5 snmp-server SNMPv3

Define a SNMPv3 user

SNMPv3 Specification

Type	*Intermediate Resource*
Element Name	SNMPv3
Element URI	/axapi/v3/snmp-server/SNMPv3
Element Attributes	SNMPv3_attributes
Schema	`SNMPv3 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/SNMPv3

SNMPv3_attributes

SNMPv3 attributes

user-list

Type: List

Refernce Object: */axapi/v3/snmp-server/SNMPv3/user/{username}*

user-list

Specification	
Type	*list*
Block object keys	

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication;

Type: string

Supported Values: md5, sha

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

2.94.6 snmp-server SNMPv3 user

Define a user who can access the SNMP engine

user Specification

Type	*Collection*
Object Key(s)	*username*
Collection Name	*user-list*
Collection URI	/axapi/v3/snmp-server/SNMPv3/user
Element Name	user
Element URI	/axapi/v3/snmp-server/SNMPv3/user/{username}
Element Attributes	user_attributes
Schema	`user schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/SNMPv3/user

user attributes

```
POST /axapi/v3/snmp-server/SNMPv3/user/
Payload:
{
    "user": {
        "username": "a",
        "auth-val": "md5",
        "v3": "auth",
        "group": "a",
        "passwd": "abcdefgh",
        "priv": "des",
        "encpasswd": "abcdefgh"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/SNMPv3/user

user attributes

Get Object

GET

/axapi/v3/snmp-server/SNMPv3/user/{username}

user attributes

```
GET /axapi/v3/snmp-server/SNMPv3/user/a
Reponse:
{
    "user": {
        "username": "a",
        "group": "a",
        "v3": "auth",
        "auth-val": "md5",
        "pw-encrypted": "XXXXX",
        "priv": "des",
        "priv-pw-encrypted": "XXXXX",
        "uuid": "979b7cee-6139-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/SNMPv3/user/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/SNMPv3/user

user-list

Modify Object

POST

/axapi/v3/snmp-server/SNMPv3/user/{username}

user attributes

Replace Object

PUT

/axapi/v3/snmp-server/SNMPv3/user/{username}

user attributes

```
PUT /axapi/v3/snmp-server/SNMPv3/user/a
Payload:
{
    "user": {
        "username": "a",
        "v3": "noauth",
        "group": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/SNMPv3/user

user-list

Delete Object

DELETE

/axapi/v3/snmp-server/SNMPv3/user/{username}

user attributes

```
DELETE /axapi/v3/snmp-server/SNMPv3/user/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

user-list

user-list is **JSON List** of *user attributes*

user-list : [

{ *user attributes* },

{ *user attributes* },

...

]

user attributes

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication;

Type: string

Supported Values: md5, sha

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

2.94.7 snmp-server community

Deprecated SNMP community command

community Specification

Type	*Intermediate Resource*
Element Name	community
Element URI	/axapi/v3/snmp-server/community
Element Attributes	community_attributes
Schema	`community schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/community

community_attributes

community attributes

read-list

Type: List

Refernce Object: */axapi/v3/snmp-server/community/read/{user}*

read-list

Specification	
Type	*list*
Block object keys	

oid-list

Type: List

Refernce Object: */axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}*

remote

Description: remote is a **JSON Block**. Please see below for *read-list_remote*

Type: Object

user

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

read-list_oid-list

Specification	
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *read-list_oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

read-list_oid-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

read-list_oid-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

read-list_oid-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

read-list_oid-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

read-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

read-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

read-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

read-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.94.8 snmp-server community read

Define a read only community string

read Specification

Type	*Collection*
Object Key(s)	*user*
Collection Name	*read-list*
Collection URI	/axapi/v3/snmp-server/community/read
Element Name	read
Element URI	/axapi/v3/snmp-server/community/read/{user}
Element Attributes	read_attributes
Schema	`read schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/community/read

read attributes

```
POST /axapi/v3/snmp-server/community/read/
Payload:
{
    "read": {
        "user": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/community/read

read attributes

Get Object

GET

/axapi/v3/snmp-server/community/read/{user}

read attributes

```
GET /axapi/v3/snmp-server/community/read/a
Reponse:
{
    "read": {
        "user": "a",
        "uuid": "b81ac77c-6139-11d9-bcb8-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/snmp-server/community/read/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/community/read

read-list

Modify Object

POST

/axapi/v3/snmp-server/community/read/{user}

read attributes

Replace Object

PUT

/axapi/v3/snmp-server/community/read/{user}

read attributes

```
PUT /axapi/v3/snmp-server/community/read/a
Payload:
{
    "read": {
        "user": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/community/read

read-list

Delete Object

DELETE

/axapi/v3/snmp-server/community/read/{user}

read attributes

```
DELETE /axapi/v3/snmp-server/community/read/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

read-list

read-list is **JSON List** of *read attributes*

read-list : [

{ *read attributes* },

{ *read attributes* },

...

]

read attributes

oid-list

Type: List

Refernce Object: */axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}*

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

user

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oid-list

Specification	
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oid-list_remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

oid-list_remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

oid-list_remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

oid-list_remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.94.9 snmp-server community read oid

Define a remote entity to which user belongs

oid Specification

Type	*Collection*
Object Key(s)	*oid-val*
Collection Name	*oid-list*
Collection URI	/axapi/v3/snmp-server/community/read/{user}/oid
Element Name	oid
Element URI	/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}
Element Attributes	oid_attributes
Schema	`oid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/community/read/{user}/oid

oid attributes

Create List

POST

/axapi/v3/snmp-server/community/read/{user}/oid

oid attributes

Get Object

GET

/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}

oid attributes

Get List

GET

/axapi/v3/snmp-server/community/read/{user}/oid

oid-list

Modify Object

POST

/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}

oid attributes

Replace Object

PUT

/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}

oid attributes

Replace List

PUT

/axapi/v3/snmp-server/community/read/{user}/oid

oid-list

Delete Object

DELETE

/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}

oid attributes

oid-list

oid-list is **JSON List** of *oid attributes*

oid-list : [

{ *oid attributes* },

{ *oid attributes* },

...

]

oid attributes

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote

Specification	
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

remote_host-list

Specification	
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.94.10 snmp-server contact

Text for mib object sysContact

contact Specification

Type	*Configuration Resource*
Element Name	contact
Element URI	/axapi/v3/snmp-server/contact
Element Attributes	contact_attributes
Schema	`contact schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/contact

contact attributes

```
POST /axapi/v3/snmp-server/contact
Payload:
{
```

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```
    "contact": {
        "contact-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/contact

contact attributes

```
GET /axapi/v3/snmp-server/contact
Reponse:
{
    "contact": {
        "contact-name": "a",
        "uuid": "d588fa90-6139-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/contact"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/contact

contact attributes

Replace Object

PUT

/axapi/v3/snmp-server/contact

contact attributes

```
PUT /axapi/v3/snmp-server/contact
Payload:
{
    "contact": {
        "contact-name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/contact

contact attributes

```
DELETE /axapi/v3/snmp-server/contact
Reponse:
{
```

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(continued from previous page)

```
    "response": {
        "status": "OK"
    }
}
```

contact attributes

contact-name

Description Identification of the contact person for this managed node

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.11 snmp-server disable

Disable l3v partition trap

disable Specification

Type	*Configuration Resource*
Element Name	disable
Element URI	/axapi/v3/snmp-server/disable
Element Attributes	disable_attributes
Schema	`disable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/disable

disable attributes

```
POST /axapi/v3/snmp-server/disable
Payload:
{
```

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(continued from previous page)

```
    "disable": {
        "a10cmsubagent": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/disable

disable attributes

```
GET /axapi/v3/snmp-server/disable
Reponse:
{
    "disable": {
        "a10cmsubagent": 1,
        "uuid": "e2b5c4c8-6139-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/disable"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/disable

disable attributes

Replace Object

PUT

/axapi/v3/snmp-server/disable

disable attributes

```
PUT /axapi/v3/snmp-server/disable
Payload:
{
    "disable": {
        "a10cmsubagent": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/disable

disable attributes

```
DELETE /axapi/v3/snmp-server/disable
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

disable attributes

a10cmsubagent

Description Disable a10cmsubagent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps

Description: traps is a **JSON Block**. Please see below for *traps*

Type: Object

Refernce Object: */axapi/v3/snmp-server/disable/traps*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps

Specification	
Type	*object*

all

Description Disable all traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description Disable all gslb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description Disable all slb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-change

Description Disable all slb-change traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp

Description Disable all snmp traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrrp-a

Description Disable all vrrp-a on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.94.12 snmp-server disable traps

Disable l3v partition SNMP traps

traps Specification

Type	*Configuration Resource*
Element Name	traps
Element URI	/axapi/v3/snmp-server/disable/traps
Element Attributes	traps_attributes
Schema	`traps schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/disable/traps

traps attributes

Get Object

GET

/axapi/v3/snmp-server/disable/traps

traps attributes

Modify Object

POST

/axapi/v3/snmp-server/disable/traps

traps attributes

Replace Object

PUT

/axapi/v3/snmp-server/disable/traps

traps attributes

Delete Object

DELETE

/axapi/v3/snmp-server/disable/traps

traps attributes

traps attributes

all

Description Disable all traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description Disable all gslb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description Disable all slb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-change

Description Disable all slb-change traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp

Description Disable all snmp traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrrp-a

Description Disable all vrrp-a on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.94.13 snmp-server enable

Enable SNMP service

enable Specification

Type	*Configuration Resource*
Element Name	enable
Element URI	/axapi/v3/snmp-server/enable
Element Attributes	enable_attributes
Schema	`enable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable

enable attributes

```
POST /axapi/v3/snmp-server/enable
Payload:
{
    "enable": {
        "service": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable

enable attributes

```
GET /axapi/v3/snmp-server/enable
Reponse:
{
    "enable": {
        "service": 1,
        "uuid": "0b2f4b2c-613a-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable

enable attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable

enable attributes

```
PUT /axapi/v3/snmp-server/enable
Payload:
{
    "enable": {
        "service": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable

enable attributes

```
DELETE /axapi/v3/snmp-server/enable
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

enable attributes

service

Description Enable SNMP service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps

Description: traps is a **JSON Block**. Please see below for *traps*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps

Specification	
Type	*object*

all

Description Enable all SNMP traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description: gslb is a **JSON Block**. Please see below for *traps_gslb*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/gslb*

lldp

Description Enable lldp traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn

Description: lsn is a **JSON Block**. Please see below for *traps_lsn*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/lsn*

network

Description: network is a **JSON Block**. Please see below for *traps_network*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/network*

routing

Description: routing is a **JSON Block**. Please see below for *traps_routing*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing*

slb

Description: slb is a **JSON Block**. Please see below for *traps_slb*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/slb*

slb-change

Description: slb-change is a **JSON Block**. Please see below for *traps_slb-change*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/slb-change*

snmp

Description: snmp is a **JSON Block**. Please see below for *traps_snmp*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/snmp*

ssl

Description: ssl is a **JSON Block**. Please see below for *traps_ssl*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/ssl*

system

Description: system is a **JSON Block**. Please see below for *traps_system*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/system*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs

Description: vcs is a **JSON Block**. Please see below for *traps_vcs*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/vcs*

vrrp-a

Description: vrrp-a is a **JSON Block**. Please see below for *traps_vrrp-a*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/vrrp-a*

traps_slb-change

Specification	
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-resource-event

Description Enable system connection resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-usage-warning

Description Enable partition resource usage warning trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Enable slb server create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Enable slb server port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-change

Description Enable SSL certificate change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-expire

Description Enable SSL certificate expiring trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-threshold

Description Enable slb system threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description Enable slb vip create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port

Description Enable slb vip-port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps_lsn

Specification	
Type	*object*

all

Description Enable all LSN group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mapping-file-change

Description Enable LSN trap when fixed nat port mapping file change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-ipport-threshold

Description Maximum threshold

Type: number

Range: 10000-64512

Default: 64512

max-port-threshold

Description Maximum threshold

Type: number

Range: 10000-655355000

Default: 655350000

per-ip-port-usage-threshold

Description Enable LSN trap when IP total port usage reaches the threshold (default 64512)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-port-usage-threshold

Description Enable LSN trap when NAT total port usage reaches the threshold (default 655350000)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-exceeded

Description Enable LSN trap when NAT pool reaches the threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_vrrp-a

Specification	
Type	*object*

active

Description Enable VRRP-A active trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description Enable all VRRP-A group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby

Description Enable VRRP-A standby trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_snmp

Specification	
Type	*object*

all

Description Enable all SNMP group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkdown

Description Enable SNMP link-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkup

Description Enable SNMP link-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_system

Specification	
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

control-cpu-high

Description Enable control CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu-high

Description Enable data CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fan

Description Enable system fan trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-sys-read-only

Description Enable file system read-only trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-disk-use

Description Enable system high disk usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-memory-use

Description Enable system high memory usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-temp

Description Enable system high temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-management

Description Enable system license management traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-temp

Description Enable system low temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-drop

Description Enable system packet dropped trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

power

Description Enable system power supply trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri-disk

Description Enable system primary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Enable system restart trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec-disk

Description Enable system secondary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shutdown

Description Enable system shutdown trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp-resource-event

Description Enable system smp resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start

Description Enable system start trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syslog-severity-one

Description Enable system syslog severity one messages trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacacs-server-up-down

Description Enable system TACACS monitor server up/down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_ssl

Specification	
Type	*object*

server-certificate-error

Description Enable SSL server certificate error trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_vcs

Specification	
Type	*object*

state-change

Description Enable VCS state change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_routing

Specification	
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *traps_routing_bgp*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/bgp*

isis

Description: isis is a **JSON Block**. Please see below for *traps_routing_isis*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *traps_routing_ospf*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/ospf*

traps_routing_bgp

Specification	
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_routing_ospf

Specification	
Type	*object*

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_routing_isis

Specification	
Type	*object*

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_gslb

Specification	
Type	*object*

all

Description Enable all GSLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group

Description Enable GSLB group related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-ip

Description Enable GSLB service-ip related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

site

Description Enable GSLB site related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Enable GSLB zone related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps_slb

Specification	
Type	*object*

all

Description Enable all SLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

application-buffer-limit

Description Enable application buffer reach limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-exceed

Description Enable SLB server/port bandwidth rate limit exceed trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Enable SLB server/port bandwidth rate limit resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-down

Description Enable SLB server gateway down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-up

Description Enable SLB server gateway up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-limit

Description Enable SLB server connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-resume

Description Enable SLB server connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disabled

Description Enable SLB server-disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-down

Description Enable SLB server-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-selection-failure

Description Enable SLB server selection failure trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-up

Description Enable slb server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-limit

Description Enable SLB service connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-resume

Description Enable SLB service connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-down

Description Enable SLB service-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-down

Description Enable SLB service-group-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-down

Description Enable SLB service-group-member-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-up

Description Enable SLB service-group-member-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-up

Description Enable SLB service-group-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-up

Description Enable SLB service-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-connlimit

Description Enable the virtual server reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-connratelimit

Description Enable the virtual server reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-down

Description Enable SLB virtual server down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connlimit

Description Enable the virtual port reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connratelimit

Description Enable the virtual port reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-down

Description Enable SLB virtual port down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-up

Description Enable SLB virtual port up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-up

Description Enable SLB virtual server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps_network

Specification	
Type	*object*

trunk-port-threshold

Description Enable network trunk-port-threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.14 snmp-server enable traps

Enable SNMP traps

traps Specification

Type	*Configuration Resource*
Element Name	traps
Element URI	/axapi/v3/snmp-server/enable/traps
Element Attributes	traps_attributes
Schema	`traps schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps

traps attributes

```
POST /axapi/v3/snmp-server/enable/traps
Payload:
{
    "traps": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps

traps attributes

```
GET /axapi/v3/snmp-server/enable/traps
Reponse:
{
    "traps": {
        "all": 1,
        "lldp": 0,
        "uuid": "0e088a52-613a-11d9-bcb8-001fa00680a0",
        "gslb": {
            "all": 0,
            "zone": 0,
            "site": 0,
            "group": 0,
            "service-ip": 0,
            "uuid": "",
            "a10-url": "/axapi/v3/snmp-server/enable/traps/gslb"
        },
```

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```
        "a10-url": "/axapi/v3/snmp-server/enable/traps"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps

traps attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps

traps attributes

```
PUT /axapi/v3/snmp-server/enable/traps
Payload:
{
    "traps": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps

traps attributes

```
DELETE /axapi/v3/snmp-server/enable/traps
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

traps attributes

all

Description Enable all SNMP traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description: gslb is a **JSON Block**. Please see below for *gslb*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/gslb*

lldp

Description Enable lldp traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn

Description: lsn is a **JSON Block**. Please see below for *lsn*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/lsn*

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/network*

routing

Description: routing is a **JSON Block**. Please see below for *routing*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing*

slb

Description: slb is a **JSON Block**. Please see below for *slb*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/slb*

slb-change

Description: slb-change is a **JSON Block**. Please see below for *slb-change*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/slb-change*

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/snmp*

ssl

Description: ssl is a **JSON Block**. Please see below for *ssl*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/ssl*

system

Description: system is a **JSON Block**. Please see below for *system*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/system*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs

Description: vcs is a **JSON Block**. Please see below for *vcs*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/vcs*

vrrp-a

Description: vrrp-a is a **JSON Block**. Please see below for *vrrp-a*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/vrrp-a*

slb-change

Specification	
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-resource-event

Description Enable system connection resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-usage-warning

Description Enable partition resource usage warning trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Enable slb server create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Enable slb server port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-change

Description Enable SSL certificate change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-expire

Description Enable SSL certificate expiring trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-threshold

Description Enable slb system threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description Enable slb vip create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port

Description Enable slb vip-port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn

Specification	
Type	*object*

all

Description Enable all LSN group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mapping-file-change

Description Enable LSN trap when fixed nat port mapping file change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-ipport-threshold

Description Maximum threshold

Type: number

Range: 10000-64512

Default: 64512

max-port-threshold

Description Maximum threshold

Type: number

Range: 10000-655355000

Default: 655350000

per-ip-port-usage-threshold

Description Enable LSN trap when IP total port usage reaches the threshold (default 64512)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-port-usage-threshold

Description Enable LSN trap when NAT total port usage reaches the threshold (default 655350000)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-exceeded

Description Enable LSN trap when NAT pool reaches the threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrrp-a

Specification	
Type	*object*

active

Description Enable VRRP-A active trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description Enable all VRRP-A group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby

Description Enable VRRP-A standby trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp

Specification	
Type	*object*

all

Description Enable all SNMP group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkdown

Description Enable SNMP link-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkup

Description Enable SNMP link-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system

Specification	
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

control-cpu-high

Description Enable control CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu-high

Description Enable data CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fan

Description Enable system fan trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-sys-read-only

Description Enable file system read-only trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-disk-use

Description Enable system high disk usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-memory-use

Description Enable system high memory usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-temp

Description Enable system high temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-management

Description Enable system license management traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-temp

Description Enable system low temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-drop

Description Enable system packet dropped trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

power

Description Enable system power supply trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri-disk

Description Enable system primary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Enable system restart trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec-disk

Description Enable system secondary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shutdown

Description Enable system shutdown trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp-resource-event

Description Enable system smp resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start

Description Enable system start trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syslog-severity-one

Description Enable system syslog severity one messages trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacacs-server-up-down

Description Enable system TACACS monitor server up/down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl

Specification	
Type	*object*

server-certificate-error

Description Enable SSL server certificate error trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs

Specification	
Type	*object*

state-change

Description Enable VCS state change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

routing

Specification	
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *routing_bgp*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/bgp*

isis

Description: isis is a **JSON Block**. Please see below for *routing_isis*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *routing_ospf*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/ospf*

routing_bgp

Specification	
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

routing_ospf

Specification	
Type	*object*

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

routing_isis

Specification	
Type	*object*

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gslb

Specification	
Type	*object*

all

Description Enable all GSLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group

Description Enable GSLB group related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-ip

Description Enable GSLB service-ip related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

site

Description Enable GSLB site related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Enable GSLB zone related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Specification	
Type	*object*

all

Description Enable all SLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

application-buffer-limit

Description Enable application buffer reach limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-exceed

Description Enable SLB server/port bandwidth rate limit exceed trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Enable SLB server/port bandwidth rate limit resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-down

Description Enable SLB server gateway down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-up

Description Enable SLB server gateway up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-limit

Description Enable SLB server connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-resume

Description Enable SLB server connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disabled

Description Enable SLB server-disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-down

Description Enable SLB server-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-selection-failure

Description Enable SLB server selection failure trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-up

Description Enable slb server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-limit

Description Enable SLB service connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-resume

Description Enable SLB service connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-down

Description Enable SLB service-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-down

Description Enable SLB service-group-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-down

Description Enable SLB service-group-member-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-up

Description Enable SLB service-group-member-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-up

Description Enable SLB service-group-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-up

Description Enable SLB service-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-connlimit

Description Enable the virtual server reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-connratelimit

Description Enable the virtual server reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-down

Description Enable SLB virtual server down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connlimit

Description Enable the virtual port reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connratelimit

Description Enable the virtual port reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-down

Description Enable SLB virtual port down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-up

Description Enable SLB virtual port up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-up

Description Enable SLB virtual server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Specification	
Type	*object*

trunk-port-threshold

Description Enable network trunk-port-threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.15 snmp-server enable traps gslb

Enable GSLB group traps

gslb Specification

Type	*Configuration Resource*
Element Name	gslb
Element URI	/axapi/v3/snmp-server/enable/traps/gslb
Element Attributes	gslb_attributes
Schema	`gslb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

```
POST /axapi/v3/snmp-server/enable/traps/gslb
Payload:
{
    "gslb": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

```
GET /axapi/v3/snmp-server/enable/traps/gslb
Reponse:
{
    "gslb": {
        "all": 1,
        "zone": 0,
        "site": 0,
        "group": 0,
        "service-ip": 0,
        "uuid": "5da0df06-613a-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/gslb"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

```
PUT /axapi/v3/snmp-server/enable/traps/gslb
Payload:
{
    "gslb": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/gslb
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

gslb attributes

all

Description Enable all GSLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group

Description Enable GSLB group related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-ip

Description Enable GSLB service-ip related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

site

Description Enable GSLB site related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Enable GSLB zone related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.94.16 snmp-server enable traps lsn

Enable LSN group traps

lsn Specification

Type	*Configuration Resource*
Element Name	lsn
Element URI	/axapi/v3/snmp-server/enable/traps/lsn
Element Attributes	lsn_attributes
Schema	`lsn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

```
POST /axapi/v3/snmp-server/enable/traps/lsn
Payload:
{
    "lsn": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

```
GET /axapi/v3/snmp-server/enable/traps/lsn
Reponse:
{
    "lsn": {
        "all": 1,
        "total-port-usage-threshold": 0,
        "per-ip-port-usage-threshold": 0,
        "fixed-nat-port-mapping-file-change": 0,
        "traffic-exceeded": 0,
        "uuid": "6bc73e40-613a-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/lsn"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

```
PUT /axapi/v3/snmp-server/enable/traps/lsn
Payload:
{
    "lsn": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/lsn
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

lsn attributes

all

Description Enable all LSN group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mapping-file-change

Description Enable LSN trap when fixed nat port mapping file change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-ipport-threshold

Description Maximum threshold

Type: number

Range: 10000-64512

Default: 64512

max-port-threshold

Description Maximum threshold

Type: number

Range: 10000-655355000

Default: 655350000

per-ip-port-usage-threshold

Description Enable LSN trap when IP total port usage reaches the threshold (default 64512)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-port-usage-threshold

Description Enable LSN trap when NAT total port usage reaches the threshold (default 655350000)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-exceeded

Description Enable LSN trap when NAT pool reaches the threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.17 snmp-server enable traps network

Enable network group traps

network Specification

Type	*Configuration Resource*
Element Name	network
Element URI	/axapi/v3/snmp-server/enable/traps/network
Element Attributes	network_attributes
Schema	`network schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/network

network attributes

```
POST /axapi/v3/snmp-server/enable/traps/network
Payload:
{
    "network": {
        "trunk-port-threshold": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/network

network attributes

```
GET /axapi/v3/snmp-server/enable/traps/network
Reponse:
{
    "network": {
        "trunk-port-threshold": 1,
        "uuid": "885b8ae8-613a-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/network"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/network

network attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/network

network attributes

```
PUT /axapi/v3/snmp-server/enable/traps/network
Payload:
{
    "network": {
        "trunk-port-threshold": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/network

network attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/network
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

network attributes

trunk-port-threshold

Description Enable network trunk-port-threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.18 snmp-server enable traps routing

Enable routing traps

routing Specification

Type	*Intermediate Resource*
Element Name	routing
Element URI	/axapi/v3/snmp-server/enable/traps/routing
Element Attributes	routing_attributes
Schema	`routing schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing

routing_attributes

routing attributes

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/bgp*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/snmp-server/enable/traps/routing/ospf*

bgp

Specification	
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	
Type	*object*

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	
Type	*object*

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.19 snmp-server enable traps routing bgp

Enable bgp traps

bgp Specification

Type	*Configuration Resource*
Element Name	bgp
Element URI	/axapi/v3/snmp-server/enable/traps/routing/bgp
Element Attributes	bgp_attributes
Schema	`bgp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

```
POST /axapi/v3/snmp-server/enable/traps/routing/bgp
Payload:
{
    "bgp": {
        "bgpEstablishedNotification": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

```
GET /axapi/v3/snmp-server/enable/traps/routing/bgp
Reponse:
{
    "bgp": {
        "bgpEstablishedNotification": 1,
        "bgpBackwardTransNotification": 0,
        "uuid": "a222e534-613a-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/bgp"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

```
PUT /axapi/v3/snmp-server/enable/traps/routing/bgp
Payload:
{
    "bgp": {
        "bgpEstablishedNotification": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/routing/bgp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bgp attributes

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.20 snmp-server enable traps routing isis

Enable isis traps

isis Specification

Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/snmp-server/enable/traps/routing/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

```
POST /axapi/v3/snmp-server/enable/traps/routing/isis
Payload:
{
    "isis": {
        "isisAdjacencyChange": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

```
GET /axapi/v3/snmp-server/enable/traps/routing/isis
Reponse:
{
    "isis": {
        "isisAdjacencyChange": 1,
        "isisAreaMismatch": 0,
        "isisAttemptToExceedMaxSequence": 0,
        "isisAuthenticationFailure": 0,
        "isisAuthenticationTypeFailure": 0,
        "isisCorruptedLSPDetected": 0,
        "isisDatabaseOverload": 0,
        "isisIDLenMismatch": 0,
        "isisLSPTooLargeToPropagate": 0,
        "isisManualAddressDrops": 0,
        "isisMaxAreaAddressesMismatch": 0,
        "isisOriginatingLSPBufferSizeMismatch": 0,
```

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```
        "isisOwnLSPPurge": 0,
        "isisProtocolsSupportedMismatch": 0,
        "isisRejectedAdjacency": 0,
        "isisSequenceNumberSkip": 0,
        "isisVersionSkew": 0,
        "uuid": "b1dafb10-613a-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/isis"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

```
PUT /axapi/v3/snmp-server/enable/traps/routing/isis
Payload:
{
    "isis": {
        "isisAdjacencyChange": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/routing/isis
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

isis attributes

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.21 snmp-server enable traps routing ospf

Enable OSPFv2 traps

ospf Specification

Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/snmp-server/enable/traps/routing/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

```
POST /axapi/v3/snmp-server/enable/traps/routing/ospf
Payload:
{
    "ospf": {
        "ospfIfAuthFailure": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

```
GET /axapi/v3/snmp-server/enable/traps/routing/ospf
Reponse:
{
    "ospf": {
        "ospfIfAuthFailure": 1,
        "ospfIfConfigError": 0,
        "ospfIfRxBadPacket": 0,
        "ospfIfStateChange": 0,
        "ospfLsdbApproachingOverflow": 0,
        "ospfLsdbOverflow": 0,
        "ospfMaxAgeLsa": 0,
        "ospfNbrStateChange": 0,
        "ospfOriginateLsa": 0,
        "ospfTxRetransmit": 0,
        "ospfVirtIfAuthFailure": 0,
        "ospfVirtIfConfigError": 0,
        "ospfVirtIfRxBadPacket": 0,
        "ospfVirtIfStateChange": 0,
        "ospfVirtIfTxRetransmit": 0,
        "ospfVirtNbrStateChange": 0,
        "uuid": "e889ef4a-613a-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

```
PUT /axapi/v3/snmp-server/enable/traps/routing/ospf
```

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```
Payload:
{
    "ospf": {
        "ospfIfAuthFailure": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/routing/ospf
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf attributes

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.22 snmp-server enable traps slb

Enable SLB group traps

slb Specification

Type	*Configuration Resource*
Element Name	slb
Element URI	/axapi/v3/snmp-server/enable/traps/slb
Element Attributes	slb_attributes
Schema	`slb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

```
POST /axapi/v3/snmp-server/enable/traps/slb
Payload:
{
    "slb": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

```
GET /axapi/v3/snmp-server/enable/traps/slb
Reponse:
{
    "slb": {
        "all": 1,
        "application-buffer-limit": 0,
        "gateway-up": 0,
        "gateway-down": 0,
        "server-conn-limit": 0,
        "server-conn-resume": 0,
        "server-up": 0,
        "server-down": 0,
        "server-disabled": 0,
        "server-selection-failure": 0,
        "service-conn-limit": 0,
        "service-conn-resume": 0,
```

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```
        "service-down": 0,
        "service-up": 0,
        "service-group-up": 0,
        "service-group-down": 0,
        "service-group-member-up": 0,
        "service-group-member-down": 0,
        "vip-connlimit": 0,
        "vip-connratelimit": 0,
        "vip-down": 0,
        "vip-port-connlimit": 0,
        "vip-port-connratelimit": 0,
        "vip-port-down": 0,
        "vip-port-up": 0,
        "vip-up": 0,
        "bw-rate-limit-exceed": 0,
        "bw-rate-limit-resume": 0,
        "uuid": "1c312d86-613b-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/slb"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

```
PUT /axapi/v3/snmp-server/enable/traps/slb
Payload:
{
    "slb": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/slb
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

slb attributes

all

Description Enable all SLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

application-buffer-limit

Description Enable application buffer reach limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-exceed

Description Enable SLB server/port bandwidth rate limit exceed trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Enable SLB server/port bandwidth rate limit resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-down

Description Enable SLB server gateway down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-up

Description Enable SLB server gateway up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-limit

Description Enable SLB server connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-resume

Description Enable SLB server connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disabled

Description Enable SLB server-disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-down

Description Enable SLB server-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-selection-failure

Description Enable SLB server selection failure trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-up

Description Enable slb server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-limit

Description Enable SLB service connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-resume

Description Enable SLB service connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-down

Description Enable SLB service-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-down

Description Enable SLB service-group-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-down

Description Enable SLB service-group-member-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-up

Description Enable SLB service-group-member-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-up

Description Enable SLB service-group-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-up

Description Enable SLB service-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-connlimit

Description Enable the virtual server reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-connratelimit

Description Enable the virtual server reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-down

Description Enable SLB virtual server down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connlimit

Description Enable the virtual port reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connratelimit

Description Enable the virtual port reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-down

Description Enable SLB virtual port down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-up

Description Enable SLB virtual port up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-up

Description Enable SLB virtual server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.94.23 snmp-server enable traps slb-change

Enable SLB change traps

slb-change Specification

Type	*Configuration Resource*
Element Name	slb-change
Element URI	/axapi/v3/snmp-server/enable/traps/slb-change
Element Attributes	slb-change_attributes
Schema	`slb-change schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

```
POST /axapi/v3/snmp-server/enable/traps/slb-change
Payload:
{
    "slb-change": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

```
GET /axapi/v3/snmp-server/enable/traps/slb-change
Reponse:
{
    "slb-change": {
        "all": 1,
        "resource-usage-warning": 0,
        "connection-resource-event": 0,
        "server": 0,
        "server-port": 0,
        "ssl-cert-change": 0,
        "ssl-cert-expire": 0,
        "vip": 0,
        "vip-port": 0,
        "system-threshold": 0,
        "uuid": "6f2cf470-613b-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/slb-change"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

```
PUT /axapi/v3/snmp-server/enable/traps/slb-change
Payload:
{
    "slb-change": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/slb-change
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

slb-change attributes

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-resource-event

Description Enable system connection resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-usage-warning

Description Enable partition resource usage warning trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Enable slb server create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Enable slb server port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-change

Description Enable SSL certificate change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-expire

Description Enable SSL certificate expiring trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-threshold

Description Enable slb system threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description Enable slb vip create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port

Description Enable slb vip-port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.94.24 snmp-server enable traps snmp

Enable SNMP group traps

snmp Specification

Type	*Configuration Resource*
Element Name	snmp
Element URI	/axapi/v3/snmp-server/enable/traps/snmp
Element Attributes	snmp_attributes
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

```
POST /axapi/v3/snmp-server/enable/traps/snmp
Payload:
{
    "snmp": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

```
GET /axapi/v3/snmp-server/enable/traps/snmp
Reponse:
{
    "snmp": {
        "all": 1,
        "linkdown": 0,
        "linkup": 0,
        "uuid": "93971502-613b-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/snmp"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

```
PUT /axapi/v3/snmp-server/enable/traps/snmp
Payload:
{
    "snmp": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/snmp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

snmp attributes

all

Description Enable all SNMP group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkdown

Description Enable SNMP link-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkup

Description Enable SNMP link-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.25 snmp-server enable traps ssl

Enable SSL group traps

ssl Specification

Type	*Configuration Resource*
Element Name	ssl
Element URI	/axapi/v3/snmp-server/enable/traps/ssl
Element Attributes	ssl_attributes
Schema	`ssl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

Get Object

GET

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

ssl attributes

server-certificate-error

Description Enable SSL server certificate error trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.26 snmp-server enable traps system

Enable system group traps

system Specification

Type	*Configuration Resource*
Element Name	system
Element URI	/axapi/v3/snmp-server/enable/traps/system
Element Attributes	system_attributes
Schema	`system schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/system

system attributes

```
POST /axapi/v3/snmp-server/enable/traps/system
Payload:
{
    "system": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/system

system attributes

```
GET /axapi/v3/snmp-server/enable/traps/system
Reponse:
{
    "system": {
        "all": 1,
        "control-cpu-high": 0,
        "data-cpu-high": 0,
        "fan": 0,
```

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```
        "file-sys-read-only": 0,
        "high-disk-use": 0,
        "high-memory-use": 0,
        "high-temp": 0,
        "low-temp": 0,
        "license-management": 0,
        "packet-drop": 0,
        "power": 0,
        "pri-disk": 0,
        "restart": 0,
        "sec-disk": 0,
        "shutdown": 0,
        "smp-resource-event": 0,
        "syslog-severity-one": 0,
        "tacacs-server-up-down": 0,
        "start": 0,
        "uuid": "a5f3ee50-613b-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/system"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/system

system attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/system

system attributes

```
PUT /axapi/v3/snmp-server/enable/traps/system
Payload:
{
    "system": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/system

system attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/system
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

system attributes

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

control-cpu-high

Description Enable control CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu-high

Description Enable data CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fan

Description Enable system fan trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-sys-read-only

Description Enable file system read-only trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-disk-use

Description Enable system high disk usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-memory-use

Description Enable system high memory usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-temp

Description Enable system high temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-management

Description Enable system license management traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-temp

Description Enable system low temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-drop

Description Enable system packet dropped trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

power

Description Enable system power supply trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri-disk

Description Enable system primary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Enable system restart trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec-disk

Description Enable system secondary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shutdown

Description Enable system shutdown trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp-resource-event

Description Enable system smp resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start

Description Enable system start trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syslog-severity-one

Description Enable system syslog severity one messages trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacacs-server-up-down

Description Enable system TACACS monitor server up/down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.27 snmp-server enable traps vcs

Enable vcs traps

vcs Specification

Type	*Configuration Resource*
Element Name	vcs
Element URI	/axapi/v3/snmp-server/enable/traps/vcs
Element Attributes	vcs_attributes
Schema	`vcs schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

```
POST /axapi/v3/snmp-server/enable/traps/vcs
Payload:
{
    "vcs": {
        "state-change": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

```
GET /axapi/v3/snmp-server/enable/traps/vcs
Reponse:
{
    "vcs": {
        "state-change": 1,
        "uuid": "e4240b9c-613b-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/vcs"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

```
PUT /axapi/v3/snmp-server/enable/traps/vcs
Payload:
{
    "vcs": {
        "state-change": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/vcs
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vcs attributes

state-change

Description Enable VCS state change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.28 snmp-server enable traps vrrp-a

Enable VRRP-A group traps

vrrp-a Specification

Type	*Configuration Resource*
Element Name	vrrp-a
Element URI	/axapi/v3/snmp-server/enable/traps/vrrp-a
Element Attributes	vrrp-a_attributes
Schema	`vrrp-a schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

Get Object

GET

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

vrrp-a attributes

active

Description Enable VRRP-A active trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description Enable all VRRP-A group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby

Description Enable VRRP-A standby trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.29 snmp-server engineID

Define local engineID

engineID Specification

Type	*Configuration Resource*
Element Name	engineID
Element URI	/axapi/v3/snmp-server/engineID
Element Attributes	engineID_attributes
Schema	`engineID schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/engineID

engineID attributes

```
POST /axapi/v3/snmp-server/engineID
Payload:
{
    "engineID": {
        "engId": "ABABABABAB"
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/engineID

engineID attributes

```
GET /axapi/v3/snmp-server/engineID
Reponse:
{
    "engineID": {
        "engId": "ABABABABAB",
        "uuid": "f11d464c-613b-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/engineID"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/engineID

engineID attributes

Replace Object

PUT

/axapi/v3/snmp-server/engineID

engineID attributes

```
PUT /axapi/v3/snmp-server/engineID
Payload:
{
    "engineID": {
        "engId": "AAAAAAAAAA"
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/engineID

engineID attributes

```
DELETE /axapi/v3/snmp-server/engineID
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

engineID attributes

engId

Description Define local engineID HEX WORD

Type: string

Maximum Length: 24 characters

Maximum Length: 10 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.30 snmp-server group

Define a User Security Model group

group Specification

Type	*Collection*
Object Key(s)	*groupname*
Collection Name	*group-list*
Collection URI	/axapi/v3/snmp-server/group
Element Name	group
Element URI	/axapi/v3/snmp-server/group/{groupname}
Element Attributes	group_attributes
Schema	`group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/group

group attributes

```
POST /axapi/v3/snmp-server/group/
Payload:
{
    "group": {
        "read": "a",
        "groupname": "a",
        "v3": "auth"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/group

group attributes

Get Object

GET

/axapi/v3/snmp-server/group/{groupname}

group attributes

```
GET /axapi/v3/snmp-server/group/a
Reponse:
{
    "group": {
        "groupname": "a",
        "v3": "auth",
        "read": "a",
        "uuid": "fe552d7a-613b-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/group/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/group

group-list

Modify Object

POST

/axapi/v3/snmp-server/group/{groupname}

group attributes

Replace Object

PUT

/axapi/v3/snmp-server/group/{groupname}

group attributes

```
PUT /axapi/v3/snmp-server/group/a
Payload:
{
    "group": {
        "read": "a",
        "groupname": "a",
        "v3": "auth"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/group

group-list

Delete Object

DELETE

/axapi/v3/snmp-server/group/{groupname}

group attributes

```
DELETE /axapi/v3/snmp-server/group/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

group-list

group-list is **JSON List** of *group attributes*

group-list : [

{ *group attributes* },

{ *group attributes* },

...

]

group attributes

groupname

Description Name of the group

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

read

Description specify a read view for the group (read view name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': group using the authNoPriv Security Level; 'noauth': group using the noAuthNoPriv Security Level; 'priv': group using SNMPv3 authPriv security level;

Type: string

Supported Values: auth, noauth, priv

2.94.31 snmp-server host

Specify hosts to receive SNMP traps

host Specification

Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/snmp-server/host
Element Attributes	host_attributes
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/host

host_attributes

host attributes

host-name-list

Type: List

Refernce Object: */axapi/v3/snmp-server/host/host-name/{hostname}+{version}*

ipv4-host-list

Type: List

Refernce Object: */axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}*

ipv6-host-list

Type: List

Refernce Object: */axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}*

ipv6-host-list

Specification	
Type	*list*
Block object keys	

ipv6-addr

Description help IPV6 address of SNMP trap host

Type: string

Format: ipv6-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

host-name-list

Specification	
Type	*list*
Block object keys	

hostname

Description Hostname of SNMP trap host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

ipv4-host-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description help IPV4 address of SNMP trap host

Type: string

Format: ipv4-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

2.94.32 snmp-server host host-name

Specify IPV6 hosts to receive SNMP traps

host-name Specification

Type	*Collection*
Object Key(s)	*hostname, version*
Collection Name	*host-name-list*
Collection URI	/axapi/v3/snmp-server/host/host-name
Element Name	host-name
Element URI	/axapi/v3/snmp-server/host/host-name/{hostname}+{version}
Element Attributes	host-name_attributes
Schema	`host-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/host/host-name

host-name attributes

```
POST /axapi/v3/snmp-server/host/host-name/
Payload:
{
    "host-name": {
        "hostname": "a",
        "version": "v1",
        "v1-v2c-comm": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/host/host-name

host-name attributes

Get Object

GET

/axapi/v3/snmp-server/host/host-name/{hostname}+{version}

host-name attributes

```
GET /axapi/v3/snmp-server/host/host-name/a+v1
Reponse:
{
    "host-name": {
        "hostname": "a",
        "version": "v1",
        "v1-v2c-comm": "a",
        "udp-port": 162,
        "uuid": "1ea40588-613c-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/host/host-name/a+v1"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/host/host-name

host-name-list

Modify Object

POST

/axapi/v3/snmp-server/host/host-name/{hostname}+{version}

host-name attributes

Replace Object

PUT

/axapi/v3/snmp-server/host/host-name/{hostname}+{version}

host-name attributes

```
PUT /axapi/v3/snmp-server/host/host-name/a+v1
Payload:
{
    "host-name": {
        "hostname": "a",
        "version": "v1",
        "v1-v2c-comm": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/host/host-name

host-name-list

Delete Object

DELETE

/axapi/v3/snmp-server/host/host-name/{hostname}+{version}

host-name attributes

```
DELETE /axapi/v3/snmp-server/host/host-name/a+v1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

host-name-list

host-name-list is **JSON List** of *host-name attributes*

host-name-list : [

{ *host-name attributes* },

{ *host-name attributes* },

...

]

host-name attributes

hostname

Description Hostname of SNMP trap host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

2.94.33 snmp-server host ipv4-host

Specify IPV4 hosts to receive SNMP traps

ipv4-host Specification

Type	*Collection*
Object Key(s)	*ipv4-addr, version*
Collection Name	*ipv4-host-list*
Collection URI	/axapi/v3/snmp-server/host/ipv4-host
Element Name	ipv4-host
Element URI	/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}
Element Attributes	ipv4-host_attributes
Schema	`ipv4-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/host/ipv4-host

ipv4-host attributes

```
POST /axapi/v3/snmp-server/host/ipv4-host/
Payload:
{
    "ipv4-host": {
        "ipv4-addr": "3.3.3.3",
        "version": "v1",
        "v1-v2c-comm": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/host/ipv4-host

ipv4-host attributes

Get Object

GET

/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}

ipv4-host attributes

```
GET /axapi/v3/snmp-server/host/ipv4-host/3.3.3.3+v1
Reponse:
{
    "ipv4-host": {
```

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```
        "ipv4-addr": "3.3.3.3",
        "version": "v1",
        "v1-v2c-comm": "a",
        "udp-port": 162,
        "uuid": "39053bf4-613c-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/host/ipv4-host/3.3.3.3+v1"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/host/ipv4-host

ipv4-host-list

Modify Object

POST

/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}

ipv4-host attributes

Replace Object

PUT

/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}

ipv4-host attributes

```
PUT /axapi/v3/snmp-server/host/ipv4-host/3.3.3.3+v1
Payload:
{
    "ipv4-host": {
        "ipv4-addr": "3.3.3.3",
        "version": "v1",
        "v1-v2c-comm": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/host/ipv4-host

ipv4-host-list

Delete Object

DELETE

/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}

ipv4-host attributes

```
DELETE /axapi/v3/snmp-server/host/ipv4-host/3.3.3.3+v1
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

ipv4-host-list

ipv4-host-list is **JSON List** of *ipv4-host attributes*

ipv4-host-list : [

{ *ipv4-host attributes* },

{ *ipv4-host attributes* },

...

]

ipv4-host attributes

ipv4-addr

Description help IPV4 address of SNMP trap host

Type: string

Format: ipv4-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

2.94.34 snmp-server host ipv6-host

Specify IPV6 hosts to receive SNMP traps

ipv6-host Specification

Type	*Collection*
Object Key(s)	*ipv6-addr, version*
Collection Name	*ipv6-host-list*
Collection URI	/axapi/v3/snmp-server/host/ipv6-host
Element Name	ipv6-host
Element URI	/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}
Element Attributes	ipv6-host_attributes
Schema	`ipv6-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/host/ipv6-host

ipv6-host attributes

```
POST /axapi/v3/snmp-server/host/ipv6-host/
Payload:
{
    "ipv6-host": {
        "version": "v1",
        "ipv6-addr": "2003::1",
        "v1-v2c-comm": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/host/ipv6-host

ipv6-host attributes

Get Object

GET

/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}

ipv6-host attributes

```
GET /axapi/v3/snmp-server/host/ipv6-host/2003::1+v1
Reponse:
{
    "ipv6-host": {
        "ipv6-addr": "2003::1",
        "version": "v1",
        "v1-v2c-comm": "a",
        "udp-port": 162,
        "uuid": "53661bc6-613c-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/host/ipv6-host/2003%3A%3A1+v1"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/host/ipv6-host

ipv6-host-list

Modify Object

POST

/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}

ipv6-host attributes

Replace Object

PUT

/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}

ipv6-host attributes

```
PUT /axapi/v3/snmp-server/host/ipv6-host/2003::1+v1
Payload:
{
    "ipv6-host": {
        "version": "v1",
        "ipv6-addr": "2003::1",
        "v1-v2c-comm": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/host/ipv6-host

ipv6-host-list

Delete Object

DELETE

/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}

ipv6-host attributes

```
DELETE /axapi/v3/snmp-server/host/ipv6-host/2003::1+v1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6-host-list

ipv6-host-list is **JSON List** of *ipv6-host attributes*

ipv6-host-list : [

{ *ipv6-host attributes* },

{ *ipv6-host attributes* },

...

]

ipv6-host attributes

ipv6-addr

Description help IPV6 address of SNMP trap host

Type: string

Format: ipv6-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

2.94.35 snmp-server location

Text for mib object sysLocation

location Specification

Type	*Configuration Resource*
Element Name	location
Element URI	/axapi/v3/snmp-server/location
Element Attributes	location_attributes
Schema	`location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/location

location attributes

```
POST /axapi/v3/snmp-server/location
Payload:
{
    "location": {
        "loc": "a"
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/location

location attributes

```
GET /axapi/v3/snmp-server/location
Reponse:
{
    "location": {
        "loc": "a",
        "uuid": "6ba07984-613c-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/location"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/location

location attributes

Replace Object

PUT

/axapi/v3/snmp-server/location

location attributes

```
PUT /axapi/v3/snmp-server/location
Payload:
{
    "location": {
        "loc": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/location

location attributes

```
DELETE /axapi/v3/snmp-server/location
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

location attributes

loc

Description The physical location of this node

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.36 snmp-server management-index

Define index of management interface.

management-index Specification

Type	*Configuration Resource*
Element Name	management-index
Element URI	/axapi/v3/snmp-server/management-index
Element Attributes	management-index_attributes
Schema	`management-index schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/management-index

management-index attributes

```
POST /axapi/v3/snmp-server/management-index
Payload:
{
    "management-index": {
        "mgmt-index": 0
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/management-index

management-index attributes

```
GET /axapi/v3/snmp-server/management-index
Reponse:
{
    "management-index": {
        "mgmt-index": 0,
        "uuid": "7af64120-613c-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/management-index"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/management-index

management-index attributes

Replace Object

PUT

/axapi/v3/snmp-server/management-index

management-index attributes

```
PUT /axapi/v3/snmp-server/management-index
Payload:
{
    "management-index": {
        "mgmt-index": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/management-index

management-index attributes

```
DELETE /axapi/v3/snmp-server/management-index
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

management-index attributes

mgmt-index

Description index number

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.37 snmp-server slb-data-cache-timeout

Configure the SLB data cache time-out in seconds

slb-data-cache-timeout Specification

Type	*Configuration Resource*
Element Name	slb-data-cache-timeout
Element URI	/axapi/v3/snmp-server/slb-data-cache-timeout
Element Attributes	slb-data-cache-timeout_attributes
Schema	`slb-data-cache-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

```
POST /axapi/v3/snmp-server/slb-data-cache-timeout
Payload:
{
```

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```
    "slb-data-cache-timeout": {
        "slblimit": 5
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

```
GET /axapi/v3/snmp-server/slb-data-cache-timeout
Reponse:
{
    "slb-data-cache-timeout": {
        "slblimit": 5,
        "uuid": "87e1729c-613c-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/slb-data-cache-timeout"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

Replace Object

PUT

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

```
PUT /axapi/v3/snmp-server/slb-data-cache-timeout
Payload:
{
    "slb-data-cache-timeout": {
        "slblimit": 5
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

```
DELETE /axapi/v3/snmp-server/slb-data-cache-timeout
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

slb-data-cache-timeout attributes

slblimit

Description Cache time-out in seconds, default as 60 seconds

Type: number

Range: 5-120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.38 snmp-server table-timeout

Define SNMP table timeout

table-timeout Specification

Type	*Collection*
Object Key(s)	*table*
Collection Name	*table-timeout-list*
Collection URI	/axapi/v3/snmp-server/table-timeout
Element Name	table-timeout
Element URI	/axapi/v3/snmp-server/table-timeout/{table}
Element Attributes	table-timeout_attributes
Schema	`table-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/table-timeout

table-timeout attributes

Create List

POST

/axapi/v3/snmp-server/table-timeout

table-timeout attributes

Get Object

GET

/axapi/v3/snmp-server/table-timeout/{table}

table-timeout attributes

Get List

GET

/axapi/v3/snmp-server/table-timeout

table-timeout-list

Modify Object

POST

/axapi/v3/snmp-server/table-timeout/{table}

table-timeout attributes

Replace Object

PUT

/axapi/v3/snmp-server/table-timeout/{table}

table-timeout attributes

Replace List

PUT

/axapi/v3/snmp-server/table-timeout

table-timeout-list

Delete Object

DELETE

/axapi/v3/snmp-server/table-timeout/{table}

table-timeout attributes

table-timeout-list

table-timeout-list is **JSON List** of *table-timeout attributes*

table-timeout-list : [

{ *table-timeout attributes* },

{ *table-timeout attributes* },

...

]

table-timeout attributes

table

Description SNMP table name or table oid

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description timeout value

Type: number

Range: 1-60

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.39 snmp-server user

Deprecated SNMPv3 user command

user Specification

Type	*Collection*
Object Key(s)	*username*
Collection Name	*user-list*
Collection URI	/axapi/v3/snmp-server/user
Element Name	user
Element URI	/axapi/v3/snmp-server/user/{username}
Element Attributes	user_attributes
Schema	`user schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/user

user attributes

```
POST /axapi/v3/snmp-server/user/
Payload:
{
    "user": {
        "username": "a",
        "auth-val": "md5",
        "v3": "auth",
        "group": "a",
        "passwd": "abcdefgh",
        "priv": "des",
        "encpasswd": "abcdefgh"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/user

user attributes

Get Object

GET

/axapi/v3/snmp-server/user/{username}

user attributes

```
GET /axapi/v3/snmp-server/user/a
Reponse:
{
    "user": {
        "username": "a",
        "group": "a",
        "v3": "auth",
        "auth-val": "md5",
        "pw-encrypted": "XXXXX",
        "priv": "des",
        "priv-pw-encrypted": "XXXXX",
        "uuid": "995a9594-613c-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/user/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/user

user-list

Modify Object

POST

/axapi/v3/snmp-server/user/{username}

user attributes

Replace Object

PUT

/axapi/v3/snmp-server/user/{username}

user attributes

```
PUT /axapi/v3/snmp-server/user/a
Payload:
{
    "user": {
        "username": "a",
        "v3": "noauth",
        "group": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/user

user-list

Delete Object

DELETE

/axapi/v3/snmp-server/user/{username}

user attributes

```
DELETE /axapi/v3/snmp-server/user/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

user-list

user-list is **JSON List** of *user attributes*

user-list : [

{ *user attributes* },

{ *user attributes* },

...

]

user attributes

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication;

Type: string

Supported Values: md5, sha

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

2.94.40 snmp-server view

Defines named "view" - a subset of the overall OID tree

view Specification

Type	*Collection*
Object Key(s)	*viewname, oid*
Collection Name	*view-list*
Collection URI	/axapi/v3/snmp-server/view
Element Name	view
Element URI	/axapi/v3/snmp-server/view/{viewname}+{oid}
Element Attributes	view_attributes
Schema	`view schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/view

view attributes

```
POST /axapi/v3/snmp-server/view/
Payload:
{
```

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```
    "view": {
        "oid": "a",
        "viewname": "a",
        "type": "included"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/view

view attributes

Get Object

GET

/axapi/v3/snmp-server/view/{viewname}+{oid}

view attributes

```
GET /axapi/v3/snmp-server/view/a+a
Reponse:
{
    "view": {
        "viewname": "a",
        "oid": "a",
        "type": "included",
        "uuid": "b49655c8-613c-11d9-bcb8-001fa00680a0",
        "a10-url": "/axapi/v3/snmp-server/view/a+a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/view

view-list

Modify Object

POST

/axapi/v3/snmp-server/view/{viewname}+{oid}

view attributes

Replace Object

PUT

/axapi/v3/snmp-server/view/{viewname}+{oid}

view attributes

```
PUT /axapi/v3/snmp-server/view/a+a
Payload:
```

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```
{
    "view": {
        "oid": "a",
        "viewname": "a",
        "type": "excluded"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/view

view-list

Delete Object

DELETE

/axapi/v3/snmp-server/view/{viewname}+{oid}

view attributes

```
DELETE /axapi/v3/snmp-server/view/a+a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

view-list

view-list is **JSON List** of *view attributes*

view-list : [

{ *view attributes* },

{ *view attributes* },

...

]

view attributes

mask

Description Hex octets, separated by '.', mask of oid

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: mask and type are mutually exclusive

oid

Description MIB view family name or oid

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'included': MIB family is included in the view; 'excluded': MIB family is excluded from the view;

Type: string

Supported Values: included, excluded

Mutual Exclusion: type and mask are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

viewname

Description Name of the view

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

2.95 so-counters

Objects:

2.95.1 so-counters

Show scaleout statistics

so-counters Specification

Type	*Configuration Resource*
Element Name	so-counters
Element URI	/axapi/v3/so-counters
Element Attributes	so-counters_attributes
Statistics Data URI	/axapi/v3/so-counters/stats
Schema	`so-counters schema`

Operations Allowed:

Create Object

POST

/axapi/v3/so-counters

so-counters attributes

Get Object

GET

/axapi/v3/so-counters

so-counters attributes

Modify Object

POST

/axapi/v3/so-counters

so-counters attributes

Replace Object

PUT

/axapi/v3/so-counters

so-counters attributes

Delete Object

DELETE

/axapi/v3/so-counters

so-counters attributes

so-counters attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'so_pkts_conn_in': Total packets processed for an established connection; 'so_pkts_conn_redirect': Total packets redirected for an established connection; 'so_pkts_dropped': Total packets dropped; 'so_pkts_errors': Total packet errors; 'so_pkts_in': Total packets in-coming; 'so_pkts_new_conn_in': Total packets processed for a new connection; 'so_pkts_new_conn_redirect': Total packets redirected for a new connection; 'so_pkts_out': Total packets sent out; 'so_pkts_redirect': Total packets redirected; 'so_pkts_conn_sync_fail': Total connection sync failures; 'so_pkts_nat_reserve_fail': Total NAT reserve failures; 'so_pkts_nat_release_fail': Total NAT release failures; 'so_pkts_conn_l7_sync': Total L7 connection syncs; 'so_pkts_conn_l4_sync': Total L4 connection syncs; 'so_pkts_redirect_conn_aged_out': Total redirect conns aged out;

Type: string

Supported Values: all, so_pkts_rcvd, so_redirect_pkts_sent, so_pkts_dropped, so_redirected_pkts_rcvd, so_fw_shadow_session_created, so_pkts_traffic_map_not_found_drop, so_slb_pkts_redirect_conn_aged_out, so_pkts_scaleout_not_active_drop, so_pkts_slb_nat_reserve_fail, so_pkts_slb_nat_release_fail, so_pkts_dest_mac_mistmatch_drop, so_pkts_l2redirect_dest_mac_zero_drop, so_pkts_l2redirect_interface_not_up, so_pkts_l2redirect_invalid_redirect_info_error, so_pkts_l3_redirect_encap_error_drop, so_pkts_l3_redirect_inner_mac_zero_drop, so_pkts_l3_redirect_decap_vlan_sanity_drop, so_pkts_l3_redirect_decap_non_ipv4_vxlan_drop, so_pkts_l3_redirect_decap_rx_encap_params_drop, so_pkts_l3_redirect_table_error, so_pkts_l3_redirect_rcvd_in_l2_mode_drop, so_pkts_l3_redirect_fragmentation_error, so_pkts_l3_redirect_table_no_entry_found, so_pkts_l3_redirect_invalid_dev_dir, so_pkts_l3_redirect_chassis_dest_mac_error, so_pkts_l3_redirect_encap_ipv4_jumbo_frag_drop, so_pkts_l3_redirect_encap_ipv6_jumbo_frag_drop, so_pkts_l3_redirect_too_large_pkts_in_drop, so_sync_fw_shadow_session_create, so_sync_fw_shadow_session_delete, so_sync_fw_shadow_ext, so_sync_shadow_stats_to_active, so_fw_internal_rule_count, so_hc_registration_done, so_hc_deregistration_done

stats data

	Counter	Size	Description
	so_pkts_traffic_map_not_found_drop	8	Traffic MAP Not Found Drop
	so_pkts_l3_redirect_encap_error_drop	8	L3 Redirect encap error drop during transmission
	so_fw_shadow_session_created	8	FW Shadow Session created
	so_pkts_l3_redirect_inner_mac_zero_drop	8	L3 Redirect inner mac zero drop during transmission
	so_pkts_l3_redirect_too_large_pkts_in_drop	8	Received L3 Redirected fragmented packets too large
	so_pkts_l3_redirect_invalid_dev_dir	8	L3 Redirect Invalid Device direction during transmission
	so_pkts_l3_redirect_decap_rx_encap_params_drop	8	L3 Redirect decap Rx encap params error Drop
	so_pkts_l3_redirect_decap_non_ipv4_vxlan_drop	8	L3 Redirect received non ipv4 VXLAN packet
	so_pkts_dropped	8	Total packets dropped
	so_redirect_pkts_sent	8	Total packets redirected out of node
	so_pkts_l3_redirect_decap_vlan_sanity_drop	8	L3 Redirect Decap VLAN Sanity Drop during receipt
	so_pkts_dest_mac_mistmatch_drop	8	Destination MAC Mistmatch Drop
	so_pkts_l2redirect_interface_not_up	8	L2redirect Intf is not UP
	so_pkts_slb_nat_release_fail	8	Total SLB NAT release failures
	so_pkts_scaleout_not_active_drop	8	Scaleout Not Active Drop
	so_redirected_pkts_rcvd	8	Total redirected packets received on node
	so_pkts_slb_nat_reserve_fail	8	Total SLB NAT reserve failures
	so_pkts_l3_redirect_fragmentation_error	8	L3 redirect encap Fragmentation error
	so_pkts_l2redirect_invalid_redirect_info_error	8	Redirect Table Error due to invalid redirect info
	so_pkts_l3_redirect_table_error	8	L3 Redirect Table error Drop
	so_pkts_l3_redirect_encap_ipv6_jumbo_frag_drop	8	L3 Redirect tx ipv6 packet after encap more than max jumbo size
	so_slb_pkts_redirect_conn_aged_out	8	Total SLB redirect conns aged out
	so_pkts_l3_redirect_table_no_entry_found	8	L3 redirect Table no redirect entry found error
	so_pkts_rcvd	8	Total data packets received
	so_pkts_l3_redirect_rcvd_in_l2_mode_drop	8	Recevied l3 redirect packets in L2 mode Drop
	so_pkts_l3_redirect_encap_ipv4_jumbo_frag_drop	8	L3 Redirect ipv4 packet after encap more than max jumbo size
	so_pkts_l3_redirect_chassis_dest_mac_error	8	L3 Redirect RX multi-slot Destination MAC Error
	so_pkts_l2redirect_dest_mac_zero_drop	8	Destination MAC Address zero Drop

2.96 ssh-login-grace-time

Objects:

2.96.1 ssh-login-grace-time

The grace time during which a connection can exist without successful authentication.

ssh-login-grace-time Specification

Type	*Configuration Resource*
Element Name	ssh-login-grace-time
Element URI	/axapi/v3/ssh-login-grace-time
Element Attributes	ssh-login-grace-time_attributes
Schema	`ssh-login-grace-time schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

Get Object

GET

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

Modify Object

POST

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

Replace Object

PUT

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

Delete Object

DELETE

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

ssh-login-grace-time attributes

grace-time

Description specify number of seconds

Type: number

Range: 5-600

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.97 syn-cookie

Objects:

2.97.1 syn-cookie

Global Syn-Cookie Protection

syn-cookie Specification

Type	*Configuration Resource*
Element Name	syn-cookie
Element URI	/axapi/v3/syn-cookie
Element Attributes	syn-cookie_attributes
Schema	`syn-cookie schema`

Operations Allowed:

Create Object

POST

/axapi/v3/syn-cookie

syn-cookie attributes

```
POST /axapi/v3/syn-cookie
Payload:
{
    "syn-cookie": {
        "enable": 1,
        "on-threshold": 0,
```

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```
        "off-threshold": 0
    }
}
```

Get Object

GET

/axapi/v3/syn-cookie

syn-cookie attributes

```
GET /axapi/v3/syn-cookie
Reponse:
{
    "syn-cookie": {
        "enable": 1,
        "on-threshold": 0,
        "off-threshold": 0,
        "uuid": "f2a78420-612f-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/syn-cookie"
    }
}
```

Modify Object

POST

/axapi/v3/syn-cookie

syn-cookie attributes

Replace Object

PUT

/axapi/v3/syn-cookie

syn-cookie attributes

```
PUT /axapi/v3/syn-cookie
Payload:
{
    "syn-cookie": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/syn-cookie

syn-cookie attributes

```
DELETE /axapi/v3/syn-cookie
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

syn-cookie attributes

enable

Description Global Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

off-threshold

Description off-threshold for Syn-cookie (Decimal number)

Type: number

Range: 0-2147483647

Default: 0

on-threshold

Description on-threshold for Syn-cookie (Decimal number)

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98 sys-ut

Objects:

2.98.1 sys-ut

System unit test

sys-ut Specification

Type	*Configuration Resource*
Element Name	sys-ut
Element URI	/axapi/v3/sys-ut
Element Attributes	sys-ut_attributes
Schema	`sys-ut schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut

sys-ut attributes

Get Object

GET

/axapi/v3/sys-ut

sys-ut attributes

Modify Object

POST

/axapi/v3/sys-ut

sys-ut attributes

Replace Object

PUT

/axapi/v3/sys-ut

sys-ut attributes

Delete Object

DELETE

/axapi/v3/sys-ut

sys-ut attributes

sys-ut attributes

action

Description 'enable': Set device to SUT mode; 'disable': Set device to normal mode;

Type: string

Supported Values: enable, disable

Default: disable

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Refernce Object: */axapi/v3/sys-ut/common*

event-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}*

run-test

Description: run-test is a **JSON Block**. Please see below for *run-test*

Type: Object

Refernce Object: */axapi/v3/sys-ut/run-test*

secondary-name

Description Minor test case name. This is autogenerated

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

state-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}*

template-list

Type: List

Refernce Object: */axapi/v3/sys-ut/template/{name}*

test-name

Description Name for this test case

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list

Specification	
Type	*list*
Block object keys	

action-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}*

event-number

Description Event number

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list

Specification	
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *event-list_action-list_ignore-validation*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *event-list_action-list_l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *event-list_action-list_l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *event-list_action-list_l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *event-list_action-list_tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *event-list_action-list_udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list_ignore-validation

Specification	
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list_udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list_tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *event-list_action-list_tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *event-list_action-list_tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

event-list_action-list_tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list_tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

event-list_action-list_l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

event-list_action-list_l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

event-list_action-list_l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

event-list_action-list_l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

event-list_action-list_l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

event-list_action-list_l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

event-list_action-list_l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

common

Specification	
Type	*object*

delay

Description wait time in seconds after each run

Type: number

Range: 1-3600

proceed-on-error

Description Run test even in case of event failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	
Type	*list*
Block object keys	

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *template-list_ignore-validation*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *template-list_l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *template-list_l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *template-list_l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/l3*

name

Description template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Description: tcp is a **JSON Block**. Please see below for *template-list_tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *template-list_udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/udp*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port-range

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_udp_src-port-range

Specification	
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

template-list_l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

template-list_l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

template-list_l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

template-list_l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

template-list_l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

template-list_l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

template-list_l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-end-address

Description IP end address

Type: string

Format: ipv4-address

ipv4-start-address

Description IP address

Type: string

Format: ipv4-address

ipv6-end-address

Description Ipv6 end address

Type: string

Format: ipv6-address

ipv6-start-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

template-list_ignore-validation

Specification	
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *template-list_tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *template-list_tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port-range

Type: List

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

template-list_tcp_src-port-range

Specification	
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

template-list_tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

state-list

Specification	
Type	*list*
Block object keys	

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list

Specification	
Type	*list*
Block object keys	

case-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}*

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list

Specification	
Type	*list*
Block object keys	

action-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}*

case-number

Description

Type: number

Range: 1-32

repeat

Description number of times case should be repeated before state transition

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list_action-list

Specification	
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list_action-list_udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list_action-list_tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

state-list_next-state-list_case-list_action-list_tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list_action-list_tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

state-list_next-state-list_case-list_action-list_l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

state-list_next-state-list_case-list_action-list_l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

state-list_next-state-list_case-list_action-list_l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

state-list_next-state-list_case-list_action-list_l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

state-list_next-state-list_case-list_action-list_l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

state-list_next-state-list_case-list_action-list_l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

state-list_next-state-list_case-list_action-list_l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

run-test

Specification	
Type	*object*

mode

Description 'basic': Run Basic mode; 'fault-injection': Run FI mode. This will also run Basic mode to gather data; 'cpu-rr': Run CPU RR mode; 'frag': Run IP frag mode;

Type: string

Supported Values: basic, fault-injection, cpu-rr, frag

2.98.2 sys-ut common

Common

common Specification

Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/sys-ut/common
Element Attributes	common_attributes
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/common

common attributes

Get Object

GET

/axapi/v3/sys-ut/common

common attributes

Modify Object

POST

/axapi/v3/sys-ut/common

common attributes

Replace Object

PUT

/axapi/v3/sys-ut/common

common attributes

Delete Object

DELETE

/axapi/v3/sys-ut/common

common attributes

common attributes

delay

Description wait time in seconds after each run

Type: number

Range: 1-3600

proceed-on-error

Description Run test even in case of event failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.3 sys-ut event

Specify event parameters

event Specification

Type	*Collection*
Object Key(s)	*event-number*
Collection Name	*event-list*
Collection URI	/axapi/v3/sys-ut/event
Element Name	event
Element URI	/axapi/v3/sys-ut/event/{event-number}
Element Attributes	event_attributes
Schema	`event schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event

event attributes

Create List

POST

/axapi/v3/sys-ut/event

event attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}

event attributes

Get List

GET

/axapi/v3/sys-ut/event

event-list

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}

event attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}

event attributes

Replace List

PUT

/axapi/v3/sys-ut/event

event-list

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}

event attributes

event-list

event-list is **JSON List** of *event attributes*

event-list : [

{ *event attributes* },

{ *event attributes* },

...

]

event attributes

action-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}*

event-number

Description Event number

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list

Specification	
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *action-list_ignore-validation*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *action-list_l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *action-list_l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *action-list_l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *action-list_tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *action-list_udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_ignore-validation

Specification	
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *action-list_tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *action-list_tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

action-list_tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

action-list_l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

action-list_l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

action-list_l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

action-list_l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

action-list_l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

action-list_l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

action-list_l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.4 sys-ut event action

Specify event parameters

action Specification

Type	*Collection*
Object Key(s)	*direction*
Collection Name	*action-list*
Collection URI	/axapi/v3/sys-ut/event/{event-number}/action
Element Name	action
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}
Element Attributes	action_attributes
Schema	`action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action

action attributes

Create List

POST

/axapi/v3/sys-ut/event/{event-number}/action

action attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}

action attributes

Get List

GET

/axapi/v3/sys-ut/event/{event-number}/action

action-list

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}

action attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}

action attributes

Replace List

PUT

/axapi/v3/sys-ut/event/{event-number}/action

action-list

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}

action attributes

action-list

action-list is **JSON List** of *action attributes*

action-list : [

{ *action attributes* },

{ *action attributes* },

...

]

action attributes

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *ignore-validation*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ignore-validation

Specification	
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.5 sys-ut event action ignore-validation

Ignore following layers for validation

ignore-validation Specification

Type	*Configuration Resource*
Element Name	ignore-validation
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation
Element Attributes	ignore-validation_attributes
Schema	`ignore-validation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

ignore-validation attributes

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.6 sys-ut event action l1

L1 packet paramters

l1 Specification

Type	*Configuration Resource*
Element Name	l1
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1
Element Attributes	l1_attributes
Schema	`l1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

l1 attributes

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.7 sys-ut event action l2

L2 packet paramters

l2 Specification

Type	*Configuration Resource*
Element Name	l2
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2
Element Attributes	l2_attributes
Schema	`l2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

l2 attributes

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.8 sys-ut event action l2 mac

Mac Address

mac Specification

Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*mac-list*
Collection URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac
Element Name	mac
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}
Element Attributes	mac_attributes
Schema	`mac schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac

mac attributes

Create List

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac

mac attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Get List

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac

mac-list

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Replace List

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac

mac-list

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

mac-list

mac-list is **JSON List** of *mac attributes*

mac-list : [

{ *mac attributes* },

{ *mac attributes* },

...

]

mac attributes

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.9 sys-ut event action l3

L3 packet paramters

l3 Specification

Type	*Configuration Resource*
Element Name	l3
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3
Element Attributes	l3_attributes
Schema	`l3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

l3 attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.10 sys-ut event action l3 ip

IP address

ip Specification

Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*ip-list*
Collection URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip
Element Name	ip
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip

ip attributes

Create List

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip

ip attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Get List

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip

ip-list

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Replace List

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip

ip-list

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.11 sys-ut event action tcp

TCP header

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

tcp attributes

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.98.12 sys-ut event action tcp flags

TCP flags

flags Specification

Type	*Configuration Resource*
Element Name	flags
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags
Element Attributes	flags_attributes
Schema	`flags schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

flags attributes

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.13 sys-ut event action tcp options

Tcp Flags

options Specification

Type	*Configuration Resource*
Element Name	options
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options
Element Attributes	options_attributes
Schema	`options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

options attributes

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.98.14 sys-ut event action udp

UDP header

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

udp attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.15 sys-ut run-suite

Generate test cases and run them

run-suite Specification

Type	*Configuration Resource*
Element Name	run-suite
Element URI	/axapi/v3/sys-ut/run-suite
Element Attributes	run-suite_attributes
Schema	`run-suite schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/run-suite

run-suite attributes

Get Object

GET

/axapi/v3/sys-ut/run-suite

run-suite attributes

Modify Object

POST

/axapi/v3/sys-ut/run-suite

run-suite attributes

run-suite attributes

2.98.16 sys-ut state

State machine node

state Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*state-list*
Collection URI	/axapi/v3/sys-ut/state
Element Name	state
Element URI	/axapi/v3/sys-ut/state/{name}
Element Attributes	state_attributes
Schema	`state schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state

state attributes

Create List

POST

/axapi/v3/sys-ut/state

state attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}

state attributes

Get List

GET

/axapi/v3/sys-ut/state

state-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}

state attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}

state attributes

Replace List

PUT

/axapi/v3/sys-ut/state

state-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}

state attributes

state-list

state-list is **JSON List** of *state attributes*

state-list : [

{ *state attributes* },

{ *state attributes* },

...

]

state attributes

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list

Specification	
Type	*list*
Block object keys	

case-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}*

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list

Specification	
Type	*list*
Block object keys	

action-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}*

case-number

Description

Type: number

Range: 1-32

repeat

Description number of times case should be repeated before state transition

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list_action-list

Specification	
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list_action-list_udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list_action-list_tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

next-state-list_case-list_action-list_tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list_action-list_tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

next-state-list_case-list_action-list_l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

next-state-list_case-list_action-list_l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

next-state-list_case-list_action-list_l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

next-state-list_case-list_action-list_l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

next-state-list_case-list_action-list_l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

next-state-list_case-list_action-list_l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

next-state-list_case-list_action-list_l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.17 sys-ut state next-state

Next State machine node

next-state Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*next-state-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state
Element Name	next-state
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}
Element Attributes	next-state_attributes
Schema	`next-state schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state

next-state attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state

next-state attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}

next-state attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state

next-state-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}

next-state attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}

next-state attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state

next-state-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}

next-state attributes

next-state-list

next-state-list is **JSON List** of *next-state attributes*

next-state-list : [

{ *next-state attributes* },

{ *next-state attributes* },

...

]

next-state attributes

case-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}*

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list

Specification	
Type	*list*
Block object keys	

action-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}*

case-number

Description

Type: number

Range: 1-32

repeat

Description number of times case should be repeated before state transition

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list_action-list

Specification	
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *case-list_action-list_l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *case-list_action-list_l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *case-list_action-list_l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *case-list_action-list_tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *case-list_action-list_udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list_action-list_udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list_action-list_tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *case-list_action-list_tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *case-list_action-list_tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

case-list_action-list_tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list_action-list_tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

case-list_action-list_l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

case-list_action-list_l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

case-list_action-list_l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

case-list_action-list_l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

case-list_action-list_l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

case-list_action-list_l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

case-list_action-list_l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.18 sys-ut state next-state case

Case number

case Specification

Type	*Collection*
Object Key(s)	*case-number*
Collection Name	*case-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case
Element Name	case
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}
Element Attributes	case_attributes
Schema	`case schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case

case attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case

case attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}

case attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case

case-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}

case attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}

case attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case

case-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}

case attributes

case-list

case-list is **JSON List** of *case attributes*

```
case-list : [
        { case attributes },
        { case attributes },
        ...
    ]
```

case attributes

action-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}*

case-number

Description

Type: number

Range: 1-32

repeat

Description number of times case should be repeated before state transition

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list

Specification	
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *action-list_l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *action-list_l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *action-list_l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *action-list_tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *action-list_udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *action-list_tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *action-list_tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

action-list_tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

action-list_l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

action-list_l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

action-list_l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

action-list_l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

action-list_l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

action-list_l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

action-list_l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.19 sys-ut state next-state case action

Specify event parameters

action Specification

Type	*Collection*
Object Key(s)	*direction*
Collection Name	*action-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action
Element Name	action
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}
Element Attributes	action_attributes
Schema	`action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action

action attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action

action attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}

action attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action

action-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}

action attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}

action attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action

action-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}

action attributes

action-list

action-list is **JSON List** of *action attributes*

```
action-list : [
        { action attributes },
        { action attributes },
        ...
    ]
```

action attributes

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.20 sys-ut state next-state case action l1

L1 packet paramters

l1 Specification

Type	*Configuration Resource*
Element Name	l1
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1
Element Attributes	l1_attributes
Schema	`l1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

l1 attributes

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.21 sys-ut state next-state case action l2

L2 packet paramters

l2 Specification

Type	*Configuration Resource*
Element Name	l2
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2
Element Attributes	l2_attributes
Schema	`l2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

l2 attributes

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.22 sys-ut state next-state case action l2 mac

Mac Address

mac Specification

Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*mac-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac
Element Name	mac
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}
Element Attributes	mac_attributes
Schema	`mac schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac

mac attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac

mac attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac

mac-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac

mac-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

mac-list

mac-list is **JSON List** of *mac attributes*

mac-list : [

{ *mac attributes* },

{ *mac attributes* },

...

]

mac attributes

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.23 sys-ut state next-state case action l3

L3 packet paramters

l3 Specification

Type	*Configuration Resource*
Element Name	l3
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3
Element Attributes	l3_attributes
Schema	`l3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

l3 attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.24 sys-ut state next-state case action l3 ip

IP address

ip Specification

Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*ip-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip
Element Name	ip
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip

ip attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip

ip attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip

ip-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip

ip-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.25 sys-ut state next-state case action tcp

TCP header

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

tcp attributes

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.98.26 sys-ut state next-state case action tcp flags

TCP flags

flags Specification

Type	*Configuration Resource*
Element Name	flags
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags
Element Attributes	flags_attributes
Schema	`flags schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

flags attributes

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.27 sys-ut state next-state case action tcp options

Tcp Flags

options Specification

Type	*Configuration Resource*
Element Name	options
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options
Element Attributes	options_attributes
Schema	`options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

options attributes

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.98.28 sys-ut state next-state case action udp

UDP header

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

udp attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.29 sys-ut stop-test

Clear all dynamic test parameters and stop the test

stop-test Specification

Type	*Configuration Resource*
Element Name	stop-test
Element URI	/axapi/v3/sys-ut/stop-test
Element Attributes	stop-test_attributes
Schema	`stop-test schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/stop-test

stop-test attributes

Get Object

GET

/axapi/v3/sys-ut/stop-test

stop-test attributes

Modify Object

POST

/axapi/v3/sys-ut/stop-test

stop-test attributes

stop-test attributes

2.98.30 sys-ut template

Packet config template

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/sys-ut/template
Element Name	template
Element URI	/axapi/v3/sys-ut/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template

template attributes

Create List

POST

/axapi/v3/sys-ut/template

template attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}

template attributes

Get List

GET

/axapi/v3/sys-ut/template

template-list

Modify Object

POST

/axapi/v3/sys-ut/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}

template attributes

Replace List

PUT

/axapi/v3/sys-ut/template

template-list

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *ignore-validation*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *l1*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *l2*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *l3*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/l3*

name

Description template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/udp*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port-range

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_src-port-range

Specification	
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

l1

Specification	
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

l1_eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

l1_trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

l2

Specification	
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

l2_mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

l3

Specification	
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

l3_ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-end-address

Description IP end address

Type: string

Format: ipv4-address

ipv4-start-address

Description IP address

Type: string

Format: ipv4-address

ipv6-end-address

Description Ipv6 end address

Type: string

Format: ipv6-address

ipv6-start-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

ignore-validation

Specification	
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *tcp_flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *tcp_options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port-range

Type: List

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

tcp_src-port-range

Specification	
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

tcp_flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.98.31 sys-ut template ignore-validation

Ignore following layers for validation

ignore-validation Specification

Type	*Configuration Resource*
Element Name	ignore-validation
Element URI	/axapi/v3/sys-ut/template/{name}/ignore-validation
Element Attributes	ignore-validation_attributes
Schema	`ignore-validation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

ignore-validation attributes

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.32 sys-ut template l1

L1 packet paramters

l1 Specification

Type	*Configuration Resource*
Element Name	l1
Element URI	/axapi/v3/sys-ut/template/{name}/l1
Element Attributes	l1_attributes
Schema	`l1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

l1 attributes

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

eth-list

Specification	
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

trunk_list

Specification	
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.98.33 sys-ut template l2

L2 packet paramters

l2 Specification

Type	*Configuration Resource*
Element Name	l2
Element URI	/axapi/v3/sys-ut/template/{name}/l2
Element Attributes	l2_attributes
Schema	`l2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

l2 attributes

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Refernce Object: */axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

mac-list

Specification	
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.34 sys-ut template l2 mac

Mac Address

mac Specification

Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*mac-list*
Collection URI	/axapi/v3/sys-ut/template/{name}/l2/mac
Element Name	mac
Element URI	/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}
Element Attributes	mac_attributes
Schema	`mac schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l2/mac

mac attributes

Create List

POST

/axapi/v3/sys-ut/template/{name}/l2/mac

mac attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}

mac attributes

Get List

GET

/axapi/v3/sys-ut/template/{name}/l2/mac

mac-list

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}

mac attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}

mac attributes

Replace List

PUT

/axapi/v3/sys-ut/template/{name}/l2/mac

mac-list

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}

mac attributes

mac-list

mac-list is **JSON List** of *mac attributes*

mac-list : [

{ *mac attributes* },

{ *mac attributes* },

...

]

mac attributes

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.35 sys-ut template l3

L3 packet paramters

l3 Specification

Type	*Configuration Resource*
Element Name	l3
Element URI	/axapi/v3/sys-ut/template/{name}/l3
Element Attributes	l3_attributes
Schema	`l3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

l3 attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Refernce Object: */axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

ip-list

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-end-address

Description IP end address

Type: string

Format: ipv4-address

ipv4-start-address

Description IP address

Type: string

Format: ipv4-address

ipv6-end-address

Description Ipv6 end address

Type: string

Format: ipv6-address

ipv6-start-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.36 sys-ut template l3 ip

IP address

ip Specification

Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*ip-list*
Collection URI	/axapi/v3/sys-ut/template/{name}/l3/ip
Element Name	ip
Element URI	/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l3/ip

ip attributes

Create List

POST

/axapi/v3/sys-ut/template/{name}/l3/ip

ip attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}

ip attributes

Get List

GET

/axapi/v3/sys-ut/template/{name}/l3/ip

ip-list

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}

ip attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}

ip attributes

Replace List

PUT

/axapi/v3/sys-ut/template/{name}/l3/ip

ip-list

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

ethernet

Description Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

ipv4-end-address

Description IP end address

Type: string

Format: ipv4-address

ipv4-start-address

Description IP address

Type: string

Format: ipv4-address

ipv6-end-address

Description Ipv6 end address

Type: string

Format: ipv6-address

ipv6-start-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/virtual-server*

2.98.37 sys-ut template tcp

TCP header

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/sys-ut/template/{name}/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

tcp attributes

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *flags*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *options*

Type: Object

Refernce Object: */axapi/v3/sys-ut/template/{name}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port-range

Type: List

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port-range

Specification	
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

flags

Specification	
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

options

Specification	
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.98.38 sys-ut template tcp flags

TCP flags

flags Specification

Type	*Configuration Resource*
Element Name	flags
Element URI	/axapi/v3/sys-ut/template/{name}/tcp/flags
Element Attributes	flags_attributes
Schema	`flags schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

flags attributes

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.39 sys-ut template tcp options

Tcp Flags

options Specification

Type	*Configuration Resource*
Element Name	options
Element URI	/axapi/v3/sys-ut/template/{name}/tcp/options
Element Attributes	options_attributes
Schema	`options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

options attributes

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.98.40 sys-ut template udp

UDP header

udp Specification

Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/sys-ut/template/{name}/udp
Element Attributes	udp_attributes
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

udp attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port-range

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

src-port-range

Specification	
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

2.99 system

Objects:

2.99.1 system

Configure System Parameters

system Specification

Type	*Configuration Resource*
Element Name	system
Element URI	/axapi/v3/system
Element Attributes	system_attributes
Schema	`system schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system

system attributes

```
POST /axapi/v3/system
Payload:
{
    "system": {
```

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```
        "anomaly-log": 1,
        "bandwidth": {
            "sampling-enable": [
                {
                    "counters1": "all"
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/system

system attributes

```
GET /axapi/v3/system
Reponse:
{
    "system": {
        "anomaly-log": 1,
        "attack": 0,
        "ddos-attack": 0,
        "sockstress-disable": 0,
        "promiscuous-mode": 1,
        "src-ip-hash-enable": 0,
        "class-list-hitcount-enable": 1,
        "geo-db-hitcount-enable": 0,
        "domain-list-hitcount-enable": 0,
        "dynamic-service-dns-socket-pool": 0,
        "uuid": "8d24f0f2-2ad4-11e7-aff4-6962c9cf6ef5",
        "bandwidth": {
            "uuid": "f41a64a0-bfc2-11e5-97a2-834e10d40cb3",
            "sampling-enable": [
                {
                    "counters1": "all"
                }
            ],
            "a10-url": "/axapi/v3/system/bandwidth"
        },
        "control-cpu": {
            "uuid": "f41a652c-bfc2-11e5-97a2-834e10d40cb3",
            "a10-url": "/axapi/v3/system/control-cpu"
        },
        "data-cpu": {
            "uuid": "f41a65b8-bfc2-11e5-97a2-834e10d40cb3",
            "a10-url": "/axapi/v3/system/data-cpu"
        },
        "memory": {
            "uuid": "90d9a928-19ec-11e9-9fc7-d150edc24b5f",
            "a10-url": "/axapi/v3/system/memory"
        },
        "resource-usage": {
            "nat-pool-addr-count": 10,
```

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```
            "l4-session-count": 2097152,
            "auth-portal-html-file-size": 20,
            "auth-portal-image-file-size": 6,
            "max-aflex-file-size": 32,
            "aflex-table-entry-count": 102400,
            "class-list-ipv6-addr-count": 524288,
            "class-list-ac-entry-count": 65536,
            "max-aflex-authz-collection-number": 512,
            "radius-table-size": 4000000,
            "authz-policy-number": 128,
            "ipsec-sa-number": 5000,
            "ram-cache-memory-limit": 4096,
            "uuid": "dc64efd6-bfa6-11e5-a413-df8bf195119b",
            "visibility": {
                "monitored-entity-count": 1716,
                "uuid": "ed917fa0-45da-11e9-95f8-b3c4715cde6f",
                "a10-url": "/axapi/v3/system/resource-usage/visibility"
            },
            "a10-url": "/axapi/v3/system/resource-usage"
        },
        "resource-accounting": {
            "uuid": "ed91818a-45da-11e9-95f8-b3c4715cde6f",
            "a10-url": "/axapi/v3/system/resource-accounting"
        },
        "trunk": {
            "load-balance": {
                "use-l3": 0,
                "uuid": "90d9af0e-19ec-11e9-9fc7-d150edc24b5f",
                "a10-url": "/axapi/v3/system/trunk/load-balance"
            },
            "a10-url": "/axapi/v3/system/trunk"
        },
        "ports": {
            "link-detection-interval": 1000,
            "uuid": "ed9184be-45da-11e9-95f8-b3c4715cde6f",
            "a10-url": "/axapi/v3/system/ports"
        },
        "ipsec": {
            "packet-round-robin": 0,
            "crypto-core": 0,
            "crypto-mem": 0,
            "uuid": "292c2e8a-19de-11e9-9549-a73822acd584",
            "a10-url": "/axapi/v3/system/ipsec"
        },
        "cpu-load-sharing": {
            "disable": 0,
            "packets-per-second": {
                "min": 100000
            },
            "cpu-usage": {
                "low": 60,
                "high": 75
            },
            "uuid": "dc64f062-bfa6-11e5-a413-df8bf195119b",
            "a10-url": "/axapi/v3/system/cpu-load-sharing"
        },
        "per-vlan-limit": {
```


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```
            "bcast": 1000,
            "ipmcast": 1000,
            "mcast": 1000,
            "unknown-ucast": 1000,
            "uuid": "dc64f09e-bfa6-11e5-a413-df8bf195119b",
            "a10-url": "/axapi/v3/system/per-vlan-limit"
        },
        "all-vlan-limit": {
            "bcast": 5000,
            "ipmcast": 5000,
            "mcast": 5000,
            "unknown-ucast": 5000,
            "uuid": "dc64f0e4-bfa6-11e5-a413-df8bf195119b",
            "a10-url": "/axapi/v3/system/all-vlan-limit"
        },
        "ve-mac-scheme": {
            "ve-mac-scheme-val": "hash-based",
            "uuid": "f41a7af8-bfc2-11e5-97a2-834e10d40cb3",
            "a10-url": "/axapi/v3/system/ve-mac-scheme"
        },
        "session-reclaim-limit": {
            "nscan-limit": 4096,
            "scan-freq": 5,
            "uuid": "90d9b882-19ec-11e9-9fc7-d150edc24b5f",
            "a10-url": "/axapi/v3/system/session-reclaim-limit"
        },
        "throughput": {
            "uuid": "ed91951c-45da-11e9-95f8-b3c4715cde6f",
            "a10-url": "/axapi/v3/system/throughput"
        },
        "radius": {
            "server": {
                "listen-port": 1813,
                "secret": 0,
                "disable-reply": 0,
                "accounting-start": "append-entry",
                "accounting-stop": "delete-entry",
                "accounting-interim-update": "ignore",
                "accounting-on": "ignore",
                "uuid": "ed919e86-45da-11e9-95f8-b3c4715cde6f",
                "a10-url": "/axapi/v3/system/radius/server"
            },
            "a10-url": "/axapi/v3/system/radius"
        },
        "geoloc-name-helper": {
            "uuid": "90d9c8c2-19ec-11e9-9fc7-d150edc24b5f",
            "a10-url": "/axapi/v3/system/geoloc-name-helper"
        },
        "app-performance": {
            "uuid": "ed920b64-45da-11e9-95f8-b3c4715cde6f",
            "a10-url": "/axapi/v3/system/app-performance"
        },
        "ssl-req-q": {
            "uuid": "e6b535c6-a3a6-11e9-b8ef-4575e5494891",
            "a10-url": "/axapi/v3/system/ssl-req-q"
        },
        "tcp": {
```


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```
            "uuid": "899f57cc-ad12-11e7-ba9c-001fa0074d30",
            "a10-url": "/axapi/v3/system/tcp"
        },
        "icmp": {
            "uuid": "899f586c-ad12-11e7-ba9c-001fa0074d30",
            "a10-url": "/axapi/v3/system/icmp"
        },
        "icmp6": {
            "uuid": "899f5902-ad12-11e7-ba9c-001fa0074d30",
            "a10-url": "/axapi/v3/system/icmp6"
        },
        "ip-stats": {
            "uuid": "899f5998-ad12-11e7-ba9c-001fa0074d30",
            "a10-url": "/axapi/v3/system/ip-stats"
        },
        "ip6-stats": {
            "uuid": "899f5a2e-ad12-11e7-ba9c-001fa0074d30",
            "a10-url": "/axapi/v3/system/ip6-stats"
        },
        "domain-list-info": {
            "uuid": "e6b53c92-a3a6-11e9-b8ef-4575e5494891",
            "a10-url": "/axapi/v3/system/domain-list-info"
        },
        "ip-dns-cache": {
            "uuid": "e6b53daa-a3a6-11e9-b8ef-4575e5494891",
            "a10-url": "/axapi/v3/system/ip-dns-cache"
        },
        "bfd": {
            "uuid": "dc64f396-bfa6-11e5-a413-df8bf195119b",
            "a10-url": "/axapi/v3/system/bfd"
        },
        "icmp-rate": {
            "uuid": "899f5b5a-ad12-11e7-ba9c-001fa0074d30",
            "a10-url": "/axapi/v3/system/icmp-rate"
        },
        "dns": {
            "uuid": "e6b54106-a3a6-11e9-b8ef-4575e5494891",
            "a10-url": "/axapi/v3/system/dns"
        },
        "dns-cache": {
            "uuid": "e6b54228-a3a6-11e9-b8ef-4575e5494891",
            "a10-url": "/axapi/v3/system/dns-cache"
        },
        "session": {
            "uuid": "336ca15a-693a-11e7-9047-2585502fb663",
            "a10-url": "/axapi/v3/system/session"
        },
        "ndisc-ra": {
            "uuid": "899f5c86-ad12-11e7-ba9c-001fa0074d30",
            "a10-url": "/axapi/v3/system/ndisc-ra"
        },
        "tcp-stats": {
            "uuid": "899f5d1c-ad12-11e7-ba9c-001fa0074d30",
            "a10-url": "/axapi/v3/system/tcp-stats"
        },
        "telemetry-log": {
            "top-k-source-list": {
```


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```
                "uuid": "ed921d5c-45da-11e9-95f8-b3c4715cde6f",
                "a10-url": "/axapi/v3/system/telemetry-log/top-k-source-list"
            },
            "top-k-app-svc-list": {
                "uuid": "ed921e9c-45da-11e9-95f8-b3c4715cde6f",
                "a10-url": "/axapi/v3/system/telemetry-log/top-k-app-svc-list"
            },
            "device-status": {
                "uuid": "ed921fe6-45da-11e9-95f8-b3c4715cde6f",
                "a10-url": "/axapi/v3/system/telemetry-log/device-status"
            },
            "partition-metrics": {
                "uuid": "ed922126-45da-11e9-95f8-b3c4715cde6f",
                "a10-url": "/axapi/v3/system/telemetry-log/partition-metrics"
            },
            "a10-url": "/axapi/v3/system/telemetry-log"
        },
        "a10-url": "/axapi/v3/system"
    }
}
```

Modify Object

POST

/axapi/v3/system

system attributes

Replace Object

PUT

/axapi/v3/system

system attributes

```
PUT /axapi/v3/system
Payload:
{
    "system": {
        "anomaly-log": 1,
        "bandwidth": {
            "sampling-enable": [
                {
                    "counters1": "input-bytes-per-sec"
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/system

system attributes

```
DELETE /axapi/v3/system
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

system attributes

add-cpu-core

Description: add-cpu-core is a **JSON Block**. Please see below for *add-cpu-core*

Type: Object

Refernce Object: */axapi/v3/system/add-cpu-core*

add-port

Description: add-port is a **JSON Block**. Please see below for *add-port*

Type: Object

Refernce Object: */axapi/v3/system/add-port*

all-vlan-limit

Description: all-vlan-limit is a **JSON Block**. Please see below for *all-vlan-limit*

Type: Object

Refernce Object: */axapi/v3/system/all-vlan-limit*

anomaly-log

Description log system anomalies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

app-performance

Description: app-performance is a **JSON Block**. Please see below for *app-performance*

Type: Object

Refernce Object: */axapi/v3/system/app-performance*

apps-global

Description: apps-global is a **JSON Block**. Please see below for *apps-global*

Type: Object

Refernce Object: */axapi/v3/system/apps-global*

attack-log

Description log attack anomalies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bandwidth

Description: bandwidth is a **JSON Block**. Please see below for *bandwidth*

Type: Object

Refernce Object: */axapi/v3/system/bandwidth*

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/system/bfd*

class-list-hitcount-enable

Description Enable class list hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

cm-update-file-name-ref

Description: cm-update-file-name-ref is a **JSON Block**. Please see below for *cm-update-file-name-ref*

Type: Object

Refernce Object: */axapi/v3/system/cm-update-file-name-ref*

control-cpu

Description: control-cpu is a **JSON Block**. Please see below for *control-cpu*

Type: Object

Refernce Object: */axapi/v3/system/control-cpu*

core

Description: core is a **JSON Block**. Please see below for *core*

Type: Object

Refernce Object: */axapi/v3/system/core*

cosq-show

Description: cosq-show is a **JSON Block**. Please see below for *cosq-show*

Type: Object

Refernce Object: */axapi/v3/system/cosq-show*

cosq-stats

Description: cosq-stats is a **JSON Block**. Please see below for *cosq-stats*

Type: Object

Refernce Object: /axapi/v3/system/cosq-stats

counter-lib-accounting

Description: counter-lib-accounting is a **JSON Block**. Please see below for *counter-lib-accounting*

Type: Object

Refernce Object: */axapi/v3/system/counter-lib-accounting*

cpu-hyper-thread

Description: cpu-hyper-thread is a **JSON Block**. Please see below for *cpu-hyper-thread*

Type: Object

Refernce Object: */axapi/v3/system/cpu-hyper-thread*

cpu-list

Description: cpu-list is a **JSON Block**. Please see below for *cpu-list*

Type: Object

Refernce Object: */axapi/v3/system/cpu-list*

cpu-load-sharing

Description: cpu-load-sharing is a **JSON Block**. Please see below for *cpu-load-sharing*

Type: Object

Refernce Object: */axapi/v3/system/cpu-load-sharing*

cpu-map

Description: cpu-map is a **JSON Block**. Please see below for *cpu-map*

Type: Object

Refernce Object: */axapi/v3/system/cpu-map*

data-cpu

Description: data-cpu is a **JSON Block**. Please see below for *data-cpu*

Type: Object

Refernce Object: */axapi/v3/system/data-cpu*

ddos-attack

Description System DDoS Attack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos-log

Description log DDoS attack anomalies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deep-hrxq

Description: deep-hrxq is a **JSON Block**. Please see below for *deep-hrxq*

Type: Object

Refernce Object: */axapi/v3/system/deep-hrxq*

del-port

Description: del-port is a **JSON Block**. Please see below for *del-port*

Type: Object

Refernce Object: */axapi/v3/system/del-port*

delete-cpu-core

Description: delete-cpu-core is a **JSON Block**. Please see below for *delete-cpu-core*

Type: Object

Refernce Object: */axapi/v3/system/delete-cpu-core*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Refernce Object: */axapi/v3/system/dns*

dns-cache

Description: dns-cache is a **JSON Block**. Please see below for *dns-cache*

Type: Object

Refernce Object: */axapi/v3/system/dns-cache*

domain-list-hitcount-enable

Description Enable class list hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

domain-list-info

Description: domain-list-info is a **JSON Block**. Please see below for *domain-list-info*

Type: Object

Refernce Object: */axapi/v3/system/domain-list-info*

dpdk-stats

Description: dpdk-stats is a **JSON Block**. Please see below for *dpdk-stats*

Type: Object

Refernce Object: /axapi/v3/system/dpdk-stats

dynamic-service-dns-socket-pool

Description Enable socket pool for dynamic-service DNS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

environment

Description: environment is a **JSON Block**. Please see below for *environment*

Type: Object

Refernce Object: */axapi/v3/system/environment*

fpga-core-crc

Description: fpga-core-crc is a **JSON Block**. Please see below for *fpga-core-crc*

Type: Object

Refernce Object: */axapi/v3/system/fpga-core-crc*

fpga-drop

Description: fpga-drop is a **JSON Block**. Please see below for *fpga-drop*

Type: Object

Refernce Object: */axapi/v3/system/fpga-drop*

fw

Description: fw is a **JSON Block**. Please see below for *fw*

Type: Object

Refernce Object: */axapi/v3/system/fw*

geo-db-hitcount-enable

Description Enable Geolocation database hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description: geo-location is a **JSON Block**. Please see below for *geo-location*

Type: Object

Refernce Object: */axapi/v3/system/geo-location*

geoloc

Description: geoloc is a **JSON Block**. Please see below for *geoloc*

Type: Object

Refernce Object: */axapi/v3/system/geoloc*

geoloc-list-list

Type: List

Refernce Object: */axapi/v3/system/geoloc-list/{name}*

geoloc-name-helper

Description: geoloc-name-helper is a **JSON Block**. Please see below for *geoloc-name-helper*

Type: Object

Refernce Object: */axapi/v3/system/geoloc-name-helper*

geolocation-file

Description: geolocation-file is a **JSON Block**. Please see below for *geolocation-file*

Type: Object

Refernce Object: */axapi/v3/system/geolocation-file*

glid

Description Apply limits to the whole system

Type: number

Range: 1-1023

Refernce Object: */axapi/v3/glid*

guest-file

Description: guest-file is a **JSON Block**. Please see below for *guest-file*

Type: Object

Refernce Object: */axapi/v3/system/guest-file*

gui-image-list

Description: gui-image-list is a **JSON Block**. Please see below for *gui-image-list*

Type: Object

Refernce Object: */axapi/v3/system/gui-image-list*

hardware

Description: hardware is a **JSON Block**. Please see below for *hardware*

Type: Object

Refernce Object: */axapi/v3/system/hardware*

hardware-forward

Description: hardware-forward is a **JSON Block**. Please see below for *hardware-forward*

Type: Object

Refernce Object: */axapi/v3/system/hardware-forward*

high-memory-l4-session

Description: high-memory-l4-session is a **JSON Block**. Please see below for *high-memory-l4-session*

Type: Object

Refernce Object: */axapi/v3/system/high-memory-l4-session*

hrxq-status

Description: hrxq-status is a **JSON Block**. Please see below for *hrxq-status*

Type: Object

Refernce Object: */axapi/v3/system/hrxq-status*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Refernce Object: */axapi/v3/system/icmp*

icmp-rate

Description: icmp-rate is a **JSON Block**. Please see below for *icmp-rate*

Type: Object

Refernce Object: */axapi/v3/system/icmp-rate*

icmp6

Description: icmp6 is a **JSON Block**. Please see below for *icmp6*

Type: Object

Refernce Object: */axapi/v3/system/icmp6*

inuse-cpu-list

Description: inuse-cpu-list is a **JSON Block**. Please see below for *inuse-cpu-list*

Type: Object

Refernce Object: */axapi/v3/system/inuse-cpu-list*

inuse-port-list

Description: inuse-port-list is a **JSON Block**. Please see below for *inuse-port-list*

Type: Object

Refernce Object: */axapi/v3/system/inuse-port-list*

io-cpu

Description: io-cpu is a **JSON Block**. Please see below for *io-cpu*

Type: Object

Refernce Object: */axapi/v3/system/io-cpu*

ip-dns-cache

Description: ip-dns-cache is a **JSON Block**. Please see below for *ip-dns-cache*

Type: Object

Refernce Object: */axapi/v3/system/ip-dns-cache*

ip-stats

Description: ip-stats is a **JSON Block**. Please see below for *ip-stats*

Type: Object

Refernce Object: /axapi/v3/system/ip-stats

ip-threat-list

Description: ip-threat-list is a **JSON Block**. Please see below for *ip-threat-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list*

ip6-stats

Description: ip6-stats is a **JSON Block**. Please see below for *ip6-stats*

Type: Object

Refernce Object: /axapi/v3/system/ip6-stats

ipmi

Description: ipmi is a **JSON Block**. Please see below for *ipmi*

Type: Object

Refernce Object: */axapi/v3/system/ipmi*

ipmi-service

Description: ipmi-service is a **JSON Block**. Please see below for *ipmi-service*

Type: Object

Refernce Object: */axapi/v3/system/ipmi-service*

ipsec

Description: ipsec is a **JSON Block**. Please see below for *ipsec*

Type: Object

Refernce Object: */axapi/v3/system/ipsec*

link-capability

Description: link-capability is a **JSON Block**. Please see below for *link-capability*

Type: Object

Refernce Object: */axapi/v3/system/link-capability*

link-monitor

Description: link-monitor is a **JSON Block**. Please see below for *link-monitor*

Type: Object

Refernce Object: */axapi/v3/system/link-monitor*

lro

Description: lro is a **JSON Block**. Please see below for *lro*

Type: Object

Refernce Object: */axapi/v3/system/lro*

management-interface-mode

Description: management-interface-mode is a **JSON Block**. Please see below for *management-interface-mode*

Type: Object

Refernce Object: */axapi/v3/system/management-interface-mode*

memory

Description: memory is a **JSON Block**. Please see below for *memory*

Type: Object

Refernce Object: */axapi/v3/system/memory*

mfa-auth

Description: mfa-auth is a **JSON Block**. Please see below for *mfa-auth*

Type: Object

Refernce Object: */axapi/v3/system/mfa-auth*

mfa-cert-store

Description: mfa-cert-store is a **JSON Block**. Please see below for *mfa-cert-store*

Type: Object

Refernce Object: */axapi/v3/system/mfa-cert-store*

mfa-management

Description: mfa-management is a **JSON Block**. Please see below for *mfa-management*

Type: Object

Refernce Object: */axapi/v3/system/mfa-management*

mfa-validation-type

Description: mfa-validation-type is a **JSON Block**. Please see below for *mfa-validation-type*

Type: Object

Refernce Object: */axapi/v3/system/mfa-validation-type*

mgmt-port

Description: mgmt-port is a **JSON Block**. Please see below for *mgmt-port*

Type: Object

Refernce Object: */axapi/v3/system/mgmt-port*

modify-port

Description: modify-port is a **JSON Block**. Please see below for *modify-port*

Type: Object

Refernce Object: */axapi/v3/system/modify-port*

module-ctrl-cpu

Description 'high': high cpu usage; 'low': low cpu usage; 'medium': medium cpu usage;

Type: string

Supported Values: high, low, medium

mon-template

Description: mon-template is a **JSON Block**. Please see below for *mon-template*

Type: Object

Refernce Object: */axapi/v3/system/mon-template*

multi-queue-support

Description: multi-queue-support is a **JSON Block**. Please see below for *multi-queue-support*

Type: Object

Refernce Object: */axapi/v3/system/multi-queue-support*

ndisc-ra

Description: ndisc-ra is a **JSON Block**. Please see below for *ndisc-ra*

Type: Object

Refernce Object: */axapi/v3/system/ndisc-ra*

password-policy

Description: password-policy is a **JSON Block**. Please see below for *password-policy*

Type: Object

Refernce Object: */axapi/v3/system/password-policy*

per-vlan-limit

Description: per-vlan-limit is a **JSON Block**. Please see below for *per-vlan-limit*

Type: Object

Refernce Object: */axapi/v3/system/per-vlan-limit*

platformtype

Description: platformtype is a **JSON Block**. Please see below for *platformtype*

Type: Object

Refernce Object: */axapi/v3/system/platformtype*

port-info

Description: port-info is a **JSON Block**. Please see below for *port-info*

Type: Object

Refernce Object: */axapi/v3/system/port-info*

port-list

Description: port-list is a **JSON Block**. Please see below for *port-list*

Type: Object

Refernce Object: */axapi/v3/system/port-list*

ports

Description: ports is a **JSON Block**. Please see below for *ports*

Type: Object

Refernce Object: */axapi/v3/system/ports*

probe-network-devices

Type: Object

Refernce Object: */axapi/v3/system/probe-network-devices*

promiscuous-mode

Description Run in promiscous mode settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psu-info

Description: psu-info is a **JSON Block**. Please see below for *psu-info*

Type: Object

Refernce Object: */axapi/v3/system/psu-info*

q-in-q

Description: q-in-q is a **JSON Block**. Please see below for *q-in-q*

Type: Object

Refernce Object: */axapi/v3/system/q-in-q*

queuing-buffer

Description: queuing-buffer is a **JSON Block**. Please see below for *queuing-buffer*

Type: Object

Refernce Object: */axapi/v3/system/queuing-buffer*

radius

Description: radius is a **JSON Block**. Please see below for *radius*

Type: Object

Refernce Object: */axapi/v3/system/radius*

reboot

Description: reboot is a **JSON Block**. Please see below for *reboot*

Type: Object

Refernce Object: */axapi/v3/system/reboot*

resource-accounting

Description: resource-accounting is a **JSON Block**. Please see below for *resource-accounting*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting*

resource-usage

Description: resource-usage is a **JSON Block**. Please see below for *resource-usage*

Type: Object

Refernce Object: */axapi/v3/system/resource-usage*

session

Description: session is a **JSON Block**. Please see below for *session*

Type: Object

Refernce Object: */axapi/v3/system/session*

session-reclaim-limit

Description: session-reclaim-limit is a **JSON Block**. Please see below for *session-reclaim-limit*

Type: Object

Refernce Object: */axapi/v3/system/session-reclaim-limit*

set-rxtx-desc-size

Description: set-rxtx-desc-size is a **JSON Block**. Please see below for *set-rxtx-desc-size*

Type: Object

Refernce Object: */axapi/v3/system/set-rxtx-desc-size*

set-rxtx-queue

Description: set-rxtx-queue is a **JSON Block**. Please see below for *set-rxtx-queue*

Type: Object

Refernce Object: */axapi/v3/system/set-rxtx-queue*

set-tcp-syn-per-sec

Description: set-tcp-syn-per-sec is a **JSON Block**. Please see below for *set-tcp-syn-per-sec*

Type: Object

Refernce Object: */axapi/v3/system/set-tcp-syn-per-sec*

shared-poll-mode

Description: shared-poll-mode is a **JSON Block**. Please see below for *shared-poll-mode*

Type: Object

Refernce Object: */axapi/v3/system/shared-poll-mode*

shell-privileges

Description: shell-privileges is a **JSON Block**. Please see below for *shell-privileges*

Type: Object

Refernce Object: */axapi/v3/system/shell-privileges*

shm-logging

Description: shm-logging is a **JSON Block**. Please see below for *shm-logging*

Type: Object

Refernce Object: */axapi/v3/system/shm-logging*

shutdown

Description: shutdown is a **JSON Block**. Please see below for *shutdown*

Type: Object

Refernce Object: */axapi/v3/system/shutdown*

sockstress-disable

Description Disable sockstress protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spe-profile

Description: spe-profile is a **JSON Block**. Please see below for *spe-profile*

Type: Object

Refernce Object: */axapi/v3/system/spe-profile*

spe-status

Description: spe-status is a **JSON Block**. Please see below for *spe-status*

Type: Object

Refernce Object: */axapi/v3/system/spe-status*

src-ip-hash-enable

Description Enable source ip hash

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-req-q

Description: ssl-req-q is a **JSON Block**. Please see below for *ssl-req-q*

Type: Object

Refernce Object: */axapi/v3/system/ssl-req-q*

ssl-scv

Description: ssl-scv is a **JSON Block**. Please see below for *ssl-scv*

Type: Object

Refernce Object: */axapi/v3/system/ssl-scv*

ssl-scv-verify-crl-sign

Description: ssl-scv-verify-crl-sign is a **JSON Block**. Please see below for *ssl-scv-verify-crl-sign*

Type: Object

Refernce Object: */axapi/v3/system/ssl-scv-verify-crl-sign*

ssl-scv-verify-host

Description: ssl-scv-verify-host is a **JSON Block**. Please see below for *ssl-scv-verify-host*

Type: Object

Refernce Object: */axapi/v3/system/ssl-scv-verify-host*

ssl-set-compatible-cipher

Description: ssl-set-compatible-cipher is a **JSON Block**. Please see below for *ssl-set-compatible-cipher*

Type: Object

Refernce Object: */axapi/v3/system/ssl-set-compatible-cipher*

ssl-status

Description: ssl-status is a **JSON Block**. Please see below for *ssl-status*

Type: Object

Refernce Object: */axapi/v3/system/ssl-status*

syslog-time-msec

Description: syslog-time-msec is a **JSON Block**. Please see below for *syslog-time-msec*

Type: Object

Refernce Object: */axapi/v3/system/syslog-time-msec*

table-integrity

Description: table-integrity is a **JSON Block**. Please see below for *table-integrity*

Type: Object

Refernce Object: */axapi/v3/system/table-integrity*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Refernce Object: */axapi/v3/system/tcp*

tcp-stats

Description: tcp-stats is a **JSON Block**. Please see below for *tcp-stats*

Type: Object

Refernce Object: /axapi/v3/system/tcp-stats

tcp-syn-per-sec

Description: tcp-syn-per-sec is a **JSON Block**. Please see below for *tcp-syn-per-sec*

Type: Object

Refernce Object: */axapi/v3/system/tcp-syn-per-sec*

telemetry-log

Description: telemetry-log is a **JSON Block**. Please see below for *telemetry-log*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/system/template*

template-bind

Description: template-bind is a **JSON Block**. Please see below for *template-bind*

Type: Object

Refernce Object: */axapi/v3/system/template-bind*

throughput

Description: throughput is a **JSON Block**. Please see below for *throughput*

Type: Object

Refernce Object: */axapi/v3/system/throughput*

timeout-value

Description: timeout-value is a **JSON Block**. Please see below for *timeout-value*

Type: Object

Refernce Object: */axapi/v3/system/timeout-value*

tls-1-3-mgmt

Description: tls-1-3-mgmt is a **JSON Block**. Please see below for *tls-1-3-mgmt*

Type: Object

Refernce Object: */axapi/v3/system/tls-1-3-mgmt*

trunk

Description: trunk is a **JSON Block**. Please see below for *trunk*

Type: Object

Refernce Object: */axapi/v3/system/trunk*

trunk-hw-hash

Description: trunk-hw-hash is a **JSON Block**. Please see below for *trunk-hw-hash*

Type: Object

Refernce Object: */axapi/v3/system/trunk-hw-hash*

trunk-xaui-hw-hash

Description: trunk-xaui-hw-hash is a **JSON Block**. Please see below for *trunk-xaui-hw-hash*

Type: Object

Refernce Object: */axapi/v3/system/trunk-xaui-hw-hash*

tso

Description: tso is a **JSON Block**. Please see below for *tso*

Type: Object

Refernce Object: */axapi/v3/system/tso*

upgrade-status

Description: upgrade-status is a **JSON Block**. Please see below for *upgrade-status*

Type: Object

Refernce Object: */axapi/v3/system/upgrade-status*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-mac-scheme

Description: ve-mac-scheme is a **JSON Block**. Please see below for *ve-mac-scheme*

Type: Object

Refernce Object: */axapi/v3/system/ve-mac-scheme*

geo-location

Specification	
Type	*object*

entry-list

Type: List

Refernce Object: */axapi/v3/system/geo-location/entry/{geo-locn-obj-name}*

geo-location-geolite2-city

Description Load built-in Maxmind GeoLite2-City database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-geolite2-country

Description Load built-in Maxmind GeoLite2-Country database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-iana

Description Load built-in IANA Database

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

geolite2-city-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geolite2-country-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-load-file-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location_entry-list

Specification	
Type	*list*
Block object keys	

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location_entry-list_geo-locn-multiple-addresses

Specification	
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

geo-location_geoloc-load-file-list

Specification	
Type	*list*
Block object keys	

geo-location-load-filename

Description Specify file to be loaded

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-name

Description CSV template to load this file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/csv*

mgmt-port

Specification	
Type	*object*

mac-address

Description mac-address to be configured as mgmt port

Type: string

Format: mac-address

Maximum Length: 14 characters

Maximum Length: 14 characters

pci-address

Description pci-address to be configured as mgmt port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

geolocation-file

Specification	
Type	*object*

error-info

Description: error-info is a **JSON Block**. Please see below for *geolocation-file_error-info*

Type: Object

Refernce Object: */axapi/v3/system/geolocation-file/error-info*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geolocation-file_error-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ndisc-ra

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ndisc-ra_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'good_recv': Good Router Solicitations (R.S.) Received; 'periodic_sent': Periodic Router Advertisements (R.A.) Sent; 'rate_limit': R.S. Rate Limited; 'bad_hop_limit': R.S. Bad Hop Limit; 'truncated': R.S. Truncated; 'bad_icmpv6_csum': R.S. Bad ICMPv6 Checksum; 'bad_icmpv6_code': R.S. Unknown ICMPv6 Code; 'bad_icmpv6_option': R.S. Bad ICMPv6 Option; 'l2_addr_and_unspec': R.S. Src Link-Layer Option and Unspecified Address; 'no_free_buffers': No Free Buffers to send R.A.;

Type: string

Supported Values: all, good_recv, periodic_sent, rate_limit, bad_hop_limit, truncated, bad_icmpv6_csum, bad_icmpv6_code, bad_icmpv6_option, l2_addr_and_unspec, no_free_buffers

tcp

Specification	
Type	*object*

rate-limit-reset-unknown-conn

Description: rate-limit-reset-unknown-conn is a **JSON Block**. Please see below for *tcp_rate-limit-reset-unknown-conn*

Type: Object

Refernce Object: */axapi/v3/system/tcp/rate-limit-reset-unknown-conn*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'activeopens': Active open conns; 'passiveopens': Passive open conns; 'attemptfails': Connect attemp failures; 'estabresets': Resets rcvd on EST conn; 'insegs': Total in TCP packets; 'outsegs': Total out TCP packets; 'retranssegs': Retransmited packets; 'inerrs': Input errors; 'outrsts': Reset Sent; 'sock_alloc': Sockets allocated; 'orphan_count': Orphan sockets; 'mem_alloc': Memory alloc; 'recv_mem': Total rx buffer; 'send_mem': Total tx buffer; 'currestab': Currently EST conns; 'currsyssnt': TCP in SYN-SNT state; 'currsynrcv': TCP in SYN-RCV state; 'currfinw1': TCP in FIN-W1 state; 'currfinw2': TCP FIN-W2 state; 'currtimew': TCP TimeW state; 'currclose': TCP in Close state; 'currclsw': TCP in CloseW state; 'currlack': TCP in LastACK state; 'currlstn': TCP in Listen state; 'currclsg': TCP in Closing state; 'pawsactiverejected': TCP paw active rej; 'syn_rcv_rstack': Rcv RST|ACK on SYN; 'syn_rcv_rst': Rcv RST on SYN; 'syn_rcv_ack': Rcv ACK on SYN; 'ax_rexmit_syn': TCP rexmit SYN; 'tcpabortontimeout': TCP abort on timeout; 'noroute': TCPIP out noroute; 'exceedmss': MSS exceeded pkt dropped;

Type: string

Supported Values: all, activeopens, passiveopens, attemptfails, estabresets, insegs, outsegs, retranssegs, inerrs, outrsts, sock_alloc, orphan_count, mem_alloc, recv_mem, send_mem, currestab, currsyssnt, currsynrcv, currfinw1, currfinw2, currtimew, currclose, currclsw, currlack, currlstn, currclsg, pawsactiverejected, syn_rcv_rstack, syn_rcv_rst, syn_rcv_ack, ax_rexmit_syn, tcpabortontimeout, noroute, exceedmss, tfo_conns, tfo_actives, tfo_denied

tcp_rate-limit-reset-unknown-conn

Specification	
Type	*object*

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bandwidth

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bandwidth_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'input-bytes-per-sec': In Bytes per second; 'output-bytes-per-sec': Out Bytes per second;

Type: string

Supported Values: all, input-bytes-per-sec, output-bytes-per-sec

session

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_l4_conn': Total L4 Count; 'conn_counter': Conn Count; 'conn_freed_counter': Conn Freed; 'total_l4_packet_count': Total L4 Packet Count; 'total_l7_packet_count': Total L7 Packet Count; 'total_l4_conn_proxy': Total L4 Conn Proxy Count; 'total_l7_conn': Total L7 Conn; 'total_tcp_conn': Total TCP Conn; 'curr_free_conn': Curr Free Conn; 'tcp_est_counter': TCP Established; 'tcp_half_open_counter': TCP Half Open; 'tcp_half_close_counter': TCP Half Closed; 'udp_counter': UDP Count; 'ip_counter': IP Count; 'other_counter': Non TCP/UDP IP sessions; 'reverse_nat_tcp_ounter': Reverse NAT TCP; 'reverse_nat_udp_ounter': Reverse NAT UDP; 'tcp_syn_half_open_counter': TCP SYN Half Open; 'conn_smp_alloc_counter': Conn SMP Alloc; 'conn_smp_free_counter': Conn SMP Free; 'conn_smp_aged_counter': Conn SMP Aged; 'ssl_count_curr': Curr SSL Count; 'ssl_count_total': Total SSL Count; 'server_ssl_count_curr': Current SSL Server Count; 'server_ssl_count_total': Total SSL Server Count; 'client_ssl_reuse_total': Total SSL Client Reuse; 'server_ssl_reuse_total': Total SSL Server Reuse; 'ssl_failed_total': Total SSL Failures; 'ssl_failed_ca_verification': SSL Cert Auth Verification Errors; 'ssl_server_cert_error': SSL Server Cert Errors; 'ssl_client_cert_auth_fail': SSL Client Cert Auth Failures; 'total_ip_nat_donn': Total IP Nat Conn; 'total_l2l3_conn': Totl L2/L3 Connections; 'client_ssl_ctx_malloc_failure': Client SSL Ctx malloc Failures; 'conn_type_0_available': Conn Type 0 Available; 'conn_type_1_available': Conn Type 1 Available; 'conn_type_2_available': Conn Type 2 Available; 'conn_type_3_available': Conn Type 3 Available; 'conn_type_4_available': Conn Type 4 Available; 'conn_smp_type_0_available': Conn SMP Type 0 Available; 'conn_smp_type_1_available': Conn SMP Type 1 Available; 'conn_smp_type_2_available': Conn SMP Type 2 Available; 'conn_smp_type_3_available': Conn SMP Type 3 Available; 'conn_smp_type_4_available': Conn SMP Type 4 Available; 'sctp-half-open-counter': SCTP Half Open; 'sctp-est-counter': SCTP Established; 'nonssl_bypass': NON SSL Bypass Count; 'ssl_failsafe_total': Total SSL Failsafe Count; 'ssl_forward_proxy_failed_handshake_total': Total SSL Forward Proxy Failed Handshake Count; 'ssl_forward_proxy_failed_tcp_total': Total SSL Forward Proxy Failed TCP Count; 'ssl_forward_proxy_failed_crypto_total': Total SSL Forward Proxy Failed Crypto Count; 'ssl_forward_proxy_failed_cert_verify_total': Total SSL Forward Proxy Failed Certificate Verification Count; 'ssl_forward_proxy_invalid_ocsp_stapling_total': Total SSL Forward Proxy Invalid OCSP Stapling Count; 'ssl_forward_proxy_revoked_ocsp_total': Total SSL Forward Proxy Revoked OCSP Response Count; 'ssl_forward_proxy_failed_cert_signing_total': Total SSL Forward Proxy Failed Certificate Signing Count; 'ssl_forward_proxy_failed_ssl_version_total': Total SSL Forward Proxy Unsupported version Count; 'ssl_forward_proxy_sni_bypass_total': Total SSL Forward Proxy SNI Bypass Count; 'ssl_forward_proxy_client_auth_bypass_total': Total SSL Forward Proxy Client Auth Bypass Count; 'conn_app_smp_alloc_counter': Conn APP SMP Alloc;

Type: string

Supported Values: all, total_l4_conn, conn_counter, conn_freed_counter, total_l4_packet_count, total_l7_packet_count, total_l4_conn_proxy, total_l7_conn, total_tcp_conn, curr_free_conn, tcp_est_counter, tcp_half_open_counter, tcp_half_close_counter, udp_counter, ip_counter, other_counter, reverse_nat_tcp_counter, reverse_nat_udp_counter, tcp_syn_half_open_counter, conn_smp_alloc_counter, conn_smp_free_counter, conn_smp_aged_counter, ssl_count_curr, ssl_count_total, server_ssl_count_curr, server_ssl_count_total, client_ssl_reuse_total, server_ssl_reuse_total, ssl_failed_total, ssl_failed_ca_verification, ssl_server_cert_error, ssl_client_cert_auth_fail, total_ip_nat_conn, total_l2l3_conn, client_ssl_ctx_malloc_failure, conn_type_0_available, conn_type_1_available, conn_type_2_available, conn_type_3_available, conn_type_4_available, conn_smp_type_0_available, conn_smp_type_1_available, conn_smp_type_2_available, conn_smp_type_3_available, conn_smp_type_4_available, sctp-half-open-counter, sctp-est-counter, nonssl_bypass, ssl_failsafe_total, ssl_forward_proxy_failed_handshake_total, ssl_forward_proxy_failed_tcp_total, ssl_forward_proxy_failed_crypto_total, ssl_forward_proxy_failed_cert_verify_total, ssl_forward_proxy_invalid_ocsp_stapling_total, ssl_forward_proxy_revoked_ocsp_total, ssl_forward_proxy_failed_cert_signing_total, ssl_forward_proxy_failed_ssl_version_total, ssl_forward_proxy_sni_bypass_total, ssl_forward_proxy_client_auth_bypass_total, conn_app_smp_alloc_counter, diameter_conn_counter, diameter_conn_freed_counter, debug_tcp_counter, debug_udp_counter, total_fw_conn, total_local_conn, total_curr_conn, client_ssl_fatal_alert, client_ssl_fin_rst, fp_session_fin_rst, server_ssl_fatal_alert, server_ssl_fin_rst, client_template_int_err, client_template_unknown_err, server_template_int_err, server_template_unknown_err, total_debug_conn, ssl_forward_proxy_failed_aflex_total, ssl_forward_proxy_cert_subject_bypass_total, ssl_forward_proxy_cert_issuer_bypass_total, ssl_forward_proxy_cert_san_bypass_total, ssl_forward_proxy_no_sni_bypass_total, ssl_forward_proxy_no_sni_reset_total, ssl_forward_proxy_username_bypass_total, ssl_forward_proxy_ad_grpup_bypass_total, diameter_concurrent_user_sessions_counter, client_ssl_session_ticket_reuse_total, server_ssl_session_ticket_reuse_total, total_clientside_early_data_connections, total_serverside_early_data_connections, total_clientside_failed_early_data-connections, total_serverside_failed_early_data-connections, ssl_forward_proxy_esni_bypass_total, ssl_forward_proxy_esni_reset_total, total_logging_conn, gtp_c_est_counter, gtp_c_half_open_counter, gtp_u_counter, gtp_echo_counter, gtp_curr_free_conn, gtp_cum_conn_counter, gtp_cum_conn_freed_counter

ip-threat-list

Specification	
Type	*object*

ipv4-dest-list

Description: ipv4-dest-list is a **JSON Block**. Please see below for *ip-threat-list_ipv4-dest-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv4-dest-list*

ipv4-internet-host-list

Description: ipv4-internet-host-list is a **JSON Block**. Please see below for *ip-threat-list_ipv4-internet-host-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv4-internet-host-list*

ipv4-source-list

Description: ipv4-source-list is a **JSON Block**. Please see below for *ip-threat-list_ipv4-source-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv4-source-list*

ipv6-dest-list

Description: ipv6-dest-list is a **JSON Block**. Please see below for *ip-threat-list_ipv6-dest-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv6-dest-list*

ipv6-internet-host-list

Description: ipv6-internet-host-list is a **JSON Block**. Please see below for *ip-threat-list_ipv6-internet-host-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv6-internet-host-list*

ipv6-source-list

Description: ipv6-source-list is a **JSON Block**. Please see below for *ip-threat-list_ipv6-source-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv6-source-list*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv6-internet-host-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv6-internet-host-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_ipv4-source-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv4-source-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_ipv4-internet-host-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv4-internet-host-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packet_hit_count_in_sw': Packet Hit Count in SW; 'packet_hit_count_in_spe': Packet Hit Count in SPE; 'entries_added_in_sw': Entries Added in SW; 'entries_removed_from_sw': Entries Removed from SW; 'entries_added_in_spe': Entries Added in SPE; 'entries_removed_from_spe': Entries Removed from SPE; 'error_out_of_memory': Out of memory Error; 'error_out_of_spe_entries': Out of SPE Entries Error;

Type: string

Supported Values: all, packet_hit_count_in_sw, packet_hit_count_in_spe, entries_added_in_sw, entries_removed_from_sw, entries_added_in_spe, entries_removed_from_spe, error_out_of_memory, error_out_of_spe_entries

ip-threat-list_ipv6-dest-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv6-dest-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_ipv4-dest-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv4-dest-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_ipv6-source-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv6-source-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

session-reclaim-limit

Specification	
Type	*object*

nscan-limit

Description smp session scan limit (number of smp sessions per scan)

Type: number

Range: 1-20480

Default: 4096

scan-freq

Description smp session scan frequency (scan per second)

Type: number

Range: 5-50

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inuse-cpu-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-port

Specification	
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

tso

Specification	
Type	*object*

disable

Description Disable TCP Segmentation Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable TCP Segmentation Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ip_checksum_error': IP packet checksum errors; 'udp_checksum_error': UDP packet checksum errors; 'session_not_found': Session not found; 'multihop_mismatch': Multihop session or packet mismatch; 'version_mismatch': BFD version mismatch; 'length_too_small': Packets too small; 'data_is_short': Packet data length too short; 'invalid_detect_mult': Invalid detect multiplier; 'invalid_multipoint': Invalid multipoint setting; 'invalid_my_disc': Invalid my descriptor; 'invalid_ttl': Invalid TTL; 'auth_length_invalid': Invalid authentication length; 'auth_mismatch': Authentication mismatch; 'auth_type_mismatch': Authentication type mismatch; 'auth_key_id_mismatch': Authentication key-id mismatch; 'auth_key_mismatch': Authentication key mismatch; 'auth_seqnum_invalid': Invalid authentication sequence number; 'auth_failed': Authentication failures; 'local_state_admin_down': Local admin down session state; 'dest_unreachable': Destination unreachable; 'other_error': Other errors;

Type: string

Supported Values: all, ip_checksum_error, udp_checksum_error, session_not_found, multihop_mismatch, version_mismatch, length_too_small, data_is_short, invalid_detect_mult, invalid_multipoint, invalid_my_disc, invalid_ttl, auth_length_invalid, auth_mismatch, auth_type_mismatch, auth_key_id_mismatch, auth_key_mismatch, auth_seqnum_invalid, auth_failed, local_state_admin_down, dest_unreachable, no_ipv6_enable, other_error

trunk-xaui-hw-hash

Specification	
Type	*object*

mode

Description Set HW hash mode, default is 6 (1:dst-mac 2:src-mac 3:src-dst-mac 4:src-ip 5:dst-ip 6:rtag6 7:rtag7)

Type: number

Range: 1-7

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

environment

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-hw-hash

Specification	
Type	*object*

mode

Description Set HW hash mode, default is 6 (1:dst-mac 2:src-mac 3:src-dst-mac 4:src-ip 5:dst-ip 6:rtag6 7:rtag7)

Type: number

Range: 1-7

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template

Specification	
Type	*object*

template-policy

Description Apply policy template to the whole system (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-bind

Specification	
Type	*object*

monitor-list

Type: List

Refernce Object: */axapi/v3/system/template-bind/monitor/{template-monitor}*

template-bind_monitor-list

Specification	
Type	*list*
Block object keys	

template-monitor

Description Monitor template ID Number

Type: number

Range: 1-16

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipmi

Specification	
Type	*object*

ip

Description: ip is a **JSON Block**. Please see below for *ipmi_ip*

Type: Object

Refernce Object: */axapi/v3/system/ipmi/ip*

ipsrc

Description: ipsrc is a **JSON Block**. Please see below for *ipmi_ipsrc*

Type: Object

Refernce Object: */axapi/v3/system/ipmi/ipsrc*

reset

Description Reset IPMI Controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tool

Description: tool is a **JSON Block**. Please see below for *ipmi_tool*

Type: Object

Refernce Object: */axapi/v3/system/ipmi/tool*

user

Description: user is a **JSON Block**. Please see below for *ipmi_user*

Type: Object

Refernce Object: */axapi/v3/system/ipmi/user*

ipmi_ip

Specification	
Type	*object*

default-gateway

Description Default gateway address

Type: string

Format: ipv4-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipmi_ipsrc

Specification	
Type	*object*

dhcp

Description IP addr obtained by BMC running DHCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Manually configured static IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipmi_tool

Specification	
Type	*object*

cmd

Description Command to execute in double quotes

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ipmi_user

Specification	
Type	*object*

add

Description Add a new IPMI user (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

administrator

Description Full control

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

callback

Description Lowest privilege level

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable an existing IPMI user (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

newname

Description New IPMI User Name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

newpass

Description New Password

Type: string

Format: password

Maximum Length: 17 characters

Maximum Length: 1 characters

operator

Description Most BMC commands are allowed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Password

Type: string

Format: password

Maximum Length: 17 characters

Maximum Length: 1 characters

privilege

Description Change an existing IPMI user privilege (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

setname

Description Change User Name (Current IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

setpass

Description Change Password (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

user

Description Only 'benign' commands are allowed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lro

Specification	
Type	*object*

disable

Description Disable Large Receive Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable Large Receive Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

q-in-q

Specification	
Type	*object*

enable-all-ports

Description Enable 802.1QinQ on all physical ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inner-tpid

Description TPID for inner VLAN (Inner TPID, 16 bit hex value, default is 8100)

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

outer-tpid

Description TPID for outer VLAN (Outer TPID, 16 bit hex value, default is 8100)

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-req-q

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-req-q_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num-ssl-queues': num-ssl-queues; 'ssl-req-q-depth-tot': ssl-req-q-depth-tot; 'ssl-req-q-inuse-tot': ssl-req-q-inuse-tot; 'ssl-hw-q-depth-tot': ssl-hw-q-depth-tot; 'ssl-hw-q-inuse-tot': ssl-hw-q-inuse-tot;

Type: string

Supported Values: all, num-ssl-queues, ssl-req-q-depth-tot, ssl-req-q-inuse-tot, ssl-hw-q-depth-tot, ssl-hw-q-inuse-tot

telemetry-log

Specification	
Type	*object*

device-status

Description: device-status is a **JSON Block**. Please see below for *telemetry-log_device-status*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/device-status*

environment

Description: environment is a **JSON Block**. Please see below for *telemetry-log_environment*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/environment*

partition-metrics

Description: partition-metrics is a **JSON Block**. Please see below for *telemetry-log_partition-metrics*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/partition-metrics*

top-k-app-svc-list

Description: top-k-app-svc-list is a **JSON Block**. Please see below for *telemetry-log_top-k-app-svc-list*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/top-k-app-svc-list*

top-k-source-list

Description: top-k-source-list is a **JSON Block**. Please see below for *telemetry-log_top-k-source-list*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/top-k-source-list*

telemetry-log_device-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry-log_environment

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry-log_partition-metrics

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry-log_top-k-app-svc-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry-log_top-k-source-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec

Specification	
Type	*object*

crypto-core

Description Crypto cores assigned for IPsec processing

Type: number

Range: 0-64

Default: 0

crypto-mem

Description Crypto memory percentage assigned for IPsec processing (rounded to increments of 10)

Type: number

Range: 0-100

Default: 0

fpga-decrypt

Description: fpga-decrypt is a **JSON Block**. Please see below for *ipsec_fpga-decrypt*

Type: Object

Refernce Object: */axapi/v3/system/ipsec/fpga-decrypt*

packet-round-robin

Description Enable packet round robin for IPsec packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec_fpga-decrypt

Specification	
Type	*object*

action

Description 'enable': Enable FPGA decryption offload; 'disable': Disable FPGA decryption offload;

Type: string

Supported Values: enable, disable

Default: disable

hrxq-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cosq-stats

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

queuing-buffer

Specification	
Type	*object*

enable

Description Enable/Disable micro-burst traffic support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu-map

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ports

Specification	
Type	*object*

link-detection-interval

Description Link detection interval in msecs

Type: number

Range: 50-60000

Default: 1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mfa-validation-type

Specification	
Type	*object*

ca-cert

Description Configure CA Certificate

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

core

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-performance

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-performance_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-throughput-bits-per-sec': Total Throughput in bits/sec; 'l4-conns-per-sec': L4 Connections/sec; 'l7-conns-per-sec': L7 Connections/sec; 'l7-trans-per-sec': L7 Transactions/sec; 'ssl-conns-per-sec': SSL Connections/sec; 'ip-nat-conns-per-sec': IP NAT Connections/sec; 'total-new-conns-per-sec': Total New Connections Established/sec; 'total-curr-conns': Total Current Established Connections; 'l4-bandwidth': L4 Bandwidth in bits/sec; 'l7-bandwidth': L7 Bandwidth in bits/sec; 'serv-ssl-conns-per-sec': Server SSL Connections/sec; 'fw-conns-per-sec': FW Connections/sec; 'gifw-conns-per-sec': GiFW Connections/sec;

Type: string

Supported Values: all, total-throughput-bits-per-sec, l4-conns-per-sec, l7-conns-per-sec, l7-trans-per-sec, ssl-conns-per-sec, ip-nat-conns-per-sec, total-new-conns-per-sec, total-curr-conns, l4-bandwidth, l7-bandwidth, serv-ssl-conns-per-sec, fw-conns-per-sec, gifw-conns-per-sec

counter-lib-accounting

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inuse-port-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

control-cpu

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

password-policy

Specification	
Type	*object*

aging

Description 'Strict': Strict: Max Age-60 Days; 'Medium': Medium: Max Age- 90 Days; 'Simple': Simple: Max Age-120 Days;

Type: string

Supported Values: Strict, Medium, Simple

complexity

Description 'Strict': Strict: Min length:8, Min Lower Case:2, Min Upper Case:2, Min Numbers:2, Min Special Character:1; 'Medium': Medium: Min length:6, Min Lower Case:2, Min Upper Case:2, Min Numbers:1, Min Special Character:1; 'Simple': Simple: Min length:4, Min Lower Case:1, Min Upper Case:1, Min Numbers:1, Min Special Character:0;

Type: string

Supported Values: Strict, Medium, Simple

history

Description 'Strict': Strict: Does not allow upto 5 old passwords; 'Medium': Medium: Does not allow upto 4 old passwords; 'Simple': Simple: Does not allow upto 3 old passwords;

Type: string

Supported Values: Strict, Medium, Simple

min-pswd-len

Description Configure custom password length

Type: number

Range: 8-63

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-syn-per-sec

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

radius

Specification	
Type	*object*

server

Description: server is a **JSON Block**. Please see below for *radius_server*

Type: Object

Refernce Object: */axapi/v3/system/radius/server*

radius_server

Specification	
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated(CGN only);

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI; 'custom1': Clear using CUSTOM1 attribute configured; 'custom2': Clear using CUSTOM2 attribute configured; 'custom3': Clear using CUSTOM3 attribute configured; 'custom4': Clear using CUSTOM4 attribute configured; 'custom5': Clear using CUSTOM5 attribute configured; 'custom6': Clear using CUSTOM6 attribute configured;

Type: string

Supported Values: msisdn, imei, imsi, custom1, custom2, custom3, custom4, custom5, custom6

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (default 1813) (Port number)

Type: number

Range: 1024-65535

Default: 1813

remote

Description: remote is a **JSON Block**. Please see below for *radius_server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

radius_server_remote

Specification	
Type	*object*

ip-list

Type: List

radius_server_remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

radius_server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Ignored; 'radius-table-full': RADIUS Request Dropped (Table Full);

'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-created': RADIUS SMP Created; 'smp-deleted': RADIUS SMP Deleted; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-in-rml': RADIUS SMP in RML; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop; 'radius-packets-redirected': RADIUS packets redirected (SO); 'radius-packets-redirect-fail-dropped': RADIUS packets dropped due to redirect failure (SO); 'radius-packets-process-local': RADIUS packets processed locally without redirection (SO); 'radius-packets-dropped-not-lo': RADIUS packets dropped dest not loopback (SO); 'radius-inter-card-dup-redir': RADIUS packet dropped as redirected by other blade (SO);

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

radius_server_attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

modify-port

Specification	
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

port-number

Description port number to be configured (Specify port number)

Type: number

Range: 1-32

del-port

Specification	
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

management-interface-mode

Specification	
Type	*object*

dedicated

Description Set management interface in dedicated mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-dedicated

Description Set management interface in non-dedicated mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-poll-mode

Specification	
Type	*object*

disable

Description Disable shared poll mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable shared poll mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mfa-cert-store

Specification	
Type	*object*

cert-host

Description Configure certificate store host

Type: string

Format: host

cert-store-path

Description Configure certificate store path

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

passwd-string

Description Certificate store host password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

protocol

Description 'tftp': Use tftp for connection; 'ftp': Use ftp for connection; 'scp': Use scp for connection; 'http': Use http for connection; 'https': Use https for connection; 'sftp': Use sftp for connection;

Type: string

Supported Values: tftp, ftp, scp, http, https, sftp

username

Description Certificate store host username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reboot

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-mac-scheme

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-mac-scheme-val

Description 'hash-based': Hash-based using the VE number; 'round-robin': Round Robin scheme; 'system-mac': Use system MAC address;

Type: string

Supported Values: hash-based, round-robin, system-mac

Default: hash-based

link-monitor

Specification	
Type	*object*

disable

Description Disable Link Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable Link Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apps-global

Specification	
Type	*object*

log-session-on-established

Description Send TCP session creation log on completion of 3-way handshake

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msl-time

Description Configure maximum session life, default is 2 seconds (1-40 seconds, default is 2 seconds)

Type: number

Range: 1-40

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

multi-queue-support

Specification	
Type	*object*

enable

Description Enable Multi-Queue-Support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk

Specification	
Type	*object*

load-balance

Description: load-balance is a **JSON Block**. Please see below for *trunk_load-balance*

Type: Object

Refernce Object: */axapi/v3/system/trunk/load-balance*

trunk_load-balance

Specification	
Type	*object*

use-l3

Description Layer-3 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l3 and use-l4 are mutually exclusive

use-l4

Description Layer-3/4 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l4 and use-l3 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-usage

Specification	
Type	*object*

aflex-table-entry-count

Description Total aFleX table entry in the system (Total aFlex entry in the system)

Type: number

auth-portal-html-file-size

Description Specify maximum html file size for each html page in auth portal (in KB)

Type: number

Range: 4-120

Default: 20

auth-portal-image-file-size

Description Specify maximum image file size for default portal (in KB)

Type: number

Range: 1-80

Default: 6

auth-session-count

Description Total auth sessions in the system

Type: number

authz-policy-number

Description Specify the maximum number of authorization policies

Type: number

class-list-ac-entry-count

Description Total entries for AC class-list

Type: number

class-list-entry-count

Description Total entries for class-list

Type: number

class-list-ipv6-addr-count

Description Total IPv6 addresses for class-list

Type: number

ipsec-sa-number

Description Specify the maximum number of IPsec SA

Type: number

l4-session-count

Description Total Sessions in the System

Type: number

max-aflex-authz-collection-number

Description Specify the maximum number of collections supported by aFleX authorization

Type: number

Range: 256-4096

Default: 512

max-aflex-file-size

Description Set maximum aFleX file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-256

Default: 32

nat-pool-addr-count

Description Total configurable NAT Pool addresses in the System

Type: number

radius-table-size

Description Total configurable CGNV6 RADIUS Table entries

Type: number

ram-cache-memory-limit

Description Specify the maximum memory used by ram cache

Type: number

ssl-context-memory

Description Total SSL context memory needed in units of MB. Will be rounded to closest multiple of 2MB

Type: number

Range: 256-16384

Default: 2048

ssl-dma-memory

Description Total SSL DMA memory needed in units of MB. Will be rounded to closest multiple of 2MB

Type: number

Range: 32-2048

Default: 256

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

visibility

Description: visibility is a **JSON Block**. Please see below for *resource-usage_visibility*

Type: Object

Refernce Object: */axapi/v3/system/resource-usage/visibility*

waf-template-count

Description Total configurable WAF Templates in the System

Type: number

resource-usage_visibility

Specification	
Type	*object*

monitored-entity-count

Description Total number of monitored entities for visibility

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-scv-verify-crl-sign

Specification	
Type	*object*

enable

Description Enable verify CRL signature during SCV

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

throughput

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

throughput_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'global-system-throughput-bits-per-sec': Global System throughput in bits/sec; 'per-part-throughput-bits-per-sec': Partition throughput in bits/sec;

Type: string

Supported Values: all, global-system-throughput-bits-per-sec, per-part-throughput-bits-per-sec

cm-update-file-name-ref

Specification	
Type	*object*

dest_name

Description bind dest name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

id

Description Specify unique Partition id

Type: number

source_name

Description bind source name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

spe-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mfa-auth

Specification	
Type	*object*

second-factor

Description Input second factor paramter

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

username

Description Username for MFA validation

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ssl-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fpga-core-crc

Specification	
Type	*object*

monitor-disable

Description Disable FPGA Core CRC error monitoring and act on it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reboot-enable

Description Enable system reboot if system encounters FPGA Core CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tls-1-3-mgmt

Specification	
Type	*object*

enable

Description Enable TLS 1.3 support on ACOS management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu-load-sharing

Specification	
Type	*object*

cpu-usage

Description: cpu-usage is a **JSON Block**. Please see below for *cpu-load-sharing_cpu-usage*

Type: Object

disable

Description Disable CPU load sharing in overload situations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *cpu-load-sharing_packets-per-second*

Type: Object

tcp

Description Disallow redistribution of new TCP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description Disallow redistribution of new UDP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu-load-sharing_cpu-usage

Specification	
Type	*object*

high

Description CPU usage threshold (percentage) that will trigger the redistribution (default: 75)

Type: number

Range: 0-100

Default: 75

low

Description CPU usage threshold (percentage) that will restore the normal packet distribution (default: 60)

Type: number

Range: 0-100

Default: 60

cpu-load-sharing_packets-per-second

Specification	
Type	*object*

min

Description Minimum packets-per-second threshold (per CPU) before redistribution will take effect (Minimum packets-per-second threshold (per CPU) before redistribution will take effect (default: 100000))

Type: number

Range: 0-30000000

Default: 100000

geoloc-list-list

Specification	
Type	*list*
Block object keys	

exclude-geoloc-name-list

Type: List

include-geoloc-name-list

Type: List

name

Description Specify name of Geolocation list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

shared

Description Enable sharing with other partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geoloc-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-count': hit-count; 'total-geoloc': total-geoloc; 'total-active': total-active;

Type: string

Supported Values: all, hit-count, total-geoloc, total-active

geoloc-list-list_include-geoloc-name-list

Specification	
Type	*list*
Block object keys	

include-geoloc-name-val

Description Geolocation name to add

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

geoloc-list-list_exclude-geoloc-name-list

Specification	
Type	*list*
Block object keys	

exclude-geoloc-name-val

Description Geolocation name to exclude

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

shutdown

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-stats

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-stats_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inreceives': Incoming packets received; 'inhdrerrors': Incoming packet header errors; 'intoobigerrors': Incoming packet too big errors; 'innoroutes': Incoming no route packet drops; 'inaddrerrors': Incoming packet address errors; 'inunknownprotos': Incoming unkown protocol packet drops; 'intruncatedpkts': Incoming truncated packets; 'indiscards': Incoming packets discarded; 'indelivers': Incoming packets delivered; 'outforwdatagrams': Outgoing forwarded datagrams; 'outrequests': Outgoing packets; 'outdiscards': Outgoing packets discarded; 'outnoroutes': Outgoing no route packet drops; 'reasmtimeout': Reassembly timed out packet drops; 'reasmreqds': Incoming reassembly requests; 'reasmoks': Incoming reassembled packets; 'reasmfails': Incoming reassembly requests failed; 'fragoks': Outgoing packets fragmented; 'fragfails': Outgoing packets fragmentation failed; 'fragcreates': Outgoing fragmented packets; 'inmcastpkts': Incoming multicast packets; 'outmcastpkts': Outgoing multicast packets;

Type: string

Supported Values: all, inreceives, inhdrerrors, intoobigerrors, innoroutes, inaddrerrors, inunknownprotos, intruncatedpkts, indiscards, indelivers, outforwdatagrams, outrequests, outdiscards, outnoroutes, reasmtimeout, reasmreqds, reasmoks, reasmfails, fragoks, fragfails, fragcreates, inmcastpkts, outmcastpkts

ip6-stats

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip6-stats_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inreceives': Incoming packets received; 'inhdrerrors': Incoming packet header errors; 'intoobigerrors': Incoming packet too big errors; 'innoroutes': Incoming no route packet drops; 'inaddrerrors': Incoming packet address errors; 'inunknownprotos': Incoming unkown protocol packet drops; 'intruncatedpkts': Incoming truncated packets; 'indiscards': Incoming packets discarded; 'indelivers': Incoming packets delivered; 'outforwdatagrams': Outgoing forwarded datagrams; 'outrequests': Outgoing packets; 'outdiscards': Outgoing packets discarded; 'outnoroutes': Outgoing no route packet drops; 'reasmtimeout': Reassembly timed out packet drops; 'reasmreqds': Incoming reassembly requests; 'reasmoks': Incoming reassembled packets; 'reasmfails': Incoming reassembly requests failed; 'fragoks': Outgoing packets fragmented; 'fragfails': Outgoing packets fragmentation failed; 'fragcreates': Outgoing fragmented packets; 'inmcastpkts': Incoming multicast packets; 'outmcastpkts': Outgoing multicast packets;

Type: string

Supported Values: all, inreceives, inhdrerrors, intoobigerrors, innoroutes, inaddrerrors, inunknownprotos, intruncatedpkts, indiscards, indelivers, outforwdatagrams, outrequests, outdiscards, outnoroutes, reasmtimeout, reasmreqds, reasmoks, reasmfails, fragoks, fragfails, fragcreates, inmcastpkts, outmcastpkts

io-cpu

Specification	
Type	*object*

max-cores

Description max number of IO cores (Specify number of cores)

Type: number

Range: 0-128

dns

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slb_req': No. of requests; 'slb_resp': No. of responses; 'slb_no_resp': No. of requests with no response; 'slb_req_rexmit': No. of requests retransmit; 'slb_resp_no_match': No. of requests and responses with no match; 'slb_no_resource': No. of resource failures; 'nat_req': (NAT) No. of requests; 'nat_resp': (NAT) No. of responses; 'nat_no_resp': (NAT) No. of resource failures; 'nat_req_rexmit': (NAT) No. of request retransmits; 'nat_resp_no_match': (NAT) No. of requests with no response; 'nat_no_resource': (NAT) No. of resource failures; 'nat_xid_reused': (NAT) No. of requests reusing a transaction id; 'filter_type_drop': Total Query Type Drop; 'filter_class_drop': Total Query Class Drop; 'filter_type_any_drop': Total Query ANY Type Drop; 'slb_dns_client_ssl_succ': No. of client ssl success; 'slb_dns_server_ssl_succ': No. of server ssl success; 'slb_dns_udp_conn': No. of backend udp connections; 'slb_dns_udp_conn_succ': No. of backend udp conn established; 'slb_dns_padding_to_server_removed': slb_dns_padding_to_server_removed; 'slb_dns_padding_to_client_added': slb_dns_padding_to_client_added;

'slb_dns_edns_subnet_to_server_removed': slb_dns_edns_subnet_to_server_removed; 'slb_dns_udp_retransmit': slb_dns_udp_retransmit; 'slb_dns_udp_retransmit_fail': slb_dns_udp_retransmit_fail; 'rpz_action_drop': RPZ Action Drop; 'rpz_action_pass_thru': RPZ Action Pass Through; 'rpz_action_tcp_only': RPZ Action TCP Only; 'rpz_action_nxdomain': RPZ Action NXDOMAIN; 'rpz_action_nodata': RPZ Action NODATA; 'rpz_action_local_data': RPZ Action Local Data; 'slb_drop': DNS requests drop; 'nat_slb_drop': (NAT)DNS requests drop; 'invalid_q_len_to_udp': invalid query length to conver to UDP;

Type: string

Supported Values: all, slb_req, slb_resp, slb_no_resp, slb_req_rexmit, slb_resp_no_match, slb_no_resource, nat_req, nat_resp, nat_no_resp, nat_req_rexmit, nat_resp_no_match, nat_no_resource, nat_xid_reused, filter_type_drop, filter_class_drop, filter_type_any_drop, slb_dns_client_ssl_succ, slb_dns_server_ssl_succ, slb_dns_udp_conn, slb_dns_udp_conn_succ, slb_dns_padding_to_server_removed, slb_dns_padding_to_client_added, slb_dns_edns_subnet_to_server_removed, slb_dns_udp_retransmit, slb_dns_udp_retransmit_fail, rpz_action_drop, rpz_action_pass_thru, rpz_action_tcp_only, rpz_action_nxdomain, rpz_action_nodata, rpz_action_local_data, slb_drop, nat_slb_drop, invalid_q_len_to_udp

memory

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

memory_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'usage-percentage': Memory Usage percentage;

Type: string

Supported Values: all, usage-percentage

cpu-hyper-thread

Specification	
Type	*object*

disable

Description Disable CPU Hyperthreading

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable CPU Hyperthreading

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-scv

Specification	
Type	*object*

enable

Description Enable server certificate validation for all SSL connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-set-compatible-cipher

Specification	
Type	*object*

disable

Description Disable setting common cipher suite in management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spe-profile

Specification	
Type	*object*

action

Description 'ipv4-only': Enable IPv4 HW forward entries only; 'ipv6-only': Enable IPv6 HW forward entries only; 'ipv4-ipv6': Enable Both IPv4/IPv6 HW forward entries (shared);

Type: string

Supported Values: ipv4-only, ipv6-only, ipv4-ipv6

Default: ipv4-ipv6

add-cpu-core

Specification	
Type	*object*

core-index

Description core index to be added (Specify core index)

Type: number

Range: 0-128

cpu-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Total number; 'inmsgs': In Messages; 'inerrors': In Errors; 'indestunreachs': In Destination Unreachable; 'intimeexcds': In TTL Exceeds; 'inparmprobs': In Parameter Problem; 'insrcquenchs': In Source Quench Error; 'inredirects': In Redirects; 'inechos': In Echo requests; 'inechoreps': In Echo replies; 'intimestamps': In Timestamp; 'intimestampreps': In Timestamp Rep; 'inaddrmasks': In Address Masks; 'inaddrmaskreps': In Address Mask Rep; 'outmsgs': Out Message; 'outerrors': Out Errors; 'outdestunreachs': Out Destination Unreachable; 'outtimeexcds': Out TTL Exceeds; 'outparmprobs': Out Parameter Problem; 'outsrcquenchs': Out Source Quench Error; 'outredirects': Out Redirects; 'outechos': Out Echo Requests; 'outechoreps': Out Echo Replies; 'outtimestamps': Out Time Stamp; 'outtimestampreps': Out Time Stamp Rep; 'outaddrmasks': Out Address Mask; 'outaddrmaskreps': Out Address Mask Rep;

Type: string

Supported Values: all, num, inmsgs, inerrors, indestunreachs, intimeexcds, inparmprobs, insrcquenchs, inredirects, inechos, inechoreps, intimestamps, intimestampreps, inaddrmasks, inaddrmaskreps, outmsgs, outerrors, outdestunreachs, outtimeexcds, outparmprobs, outsrcquenchs, outredirects, outechos, outechoreps, outtimestamps, outtimestampreps, outaddrmasks, outaddrmaskreps

gui-image-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hardware-forward

Specification	
Type	*object*

sampling-enable

Type: List

slb

Description: slb is a **JSON Block**. Please see below for *hardware-forward_slb*

Type: Object

Refernce Object: */axapi/v3/system/hardware-forward/slb*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hardware-forward_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-counts': Total packts hit counts; 'hit-index': HW Fwd hit index; 'ipv4-forward-counts': Total IPv4 hardware forwarded packets; 'ipv6-forward-counts': Total IPv6 hardware forwarded packets; 'hw-fwd-module-status': hardware forwarder status flags; 'hw-fwd-prog-reqs': hardware forward programming requests; 'hw-fwd-prog-errors': hardware forward programming Errors; 'hw-fwd-flow-singlebit-errors': hardware forward singlebit Errors; 'hw-fwd-flow-tag-mismatch': hardware forward tag mismatch errors; 'hw-fwd-flow-seq-mismatch': hardware forward sequence mismatch errors; 'hw-fwd-ageout-drop-count': hardware forward ageout drop count; 'hw-fwd-invalidation-drop': hardware forward invalid drop count; 'hw-fwd-flow-hit-index': hardware forward flow hit index; 'hw-fwd-flow-reason-flags': hardware forward flow reason flags; 'hw-fwd-flow-drop-count': hardware forward flow drop count; 'hw-fwd-flow-error-count': hardware forward flow error count; 'hw-fwd-flow-unalign-count': hardware forward flow unalign count; 'hw-fwd-flow-underflow-count': hardware forward flow underflow count; 'hw-fwd-flow-tx-full-drop': hardware forward flow tx full drop count; 'hw-fwd-flow-qdr-full-drop': hardware forward flow qdr full drop count; 'hw-fwd-phyport-mismatch-drop': hardware forward phyport mismatch count; 'hw-fwd-vlanid-mismatch-drop': hardware forward vlanid mismatch count; 'hw-fwd-vmid-drop': hardware forward vmid mismatch count; 'hw-fwd-protocol-mismatch-drop': hardware forward protocol mismatch count; 'hw-fwd-avail-ipv4-entry': hardware forward available ipv4 entries count; 'hw-fwd-avail-ipv6-entry': hardware forward available ipv6 entries count;

Type: string

Supported Values: all, hit-counts, hit-index, ipv4-forward-counts, ipv6-forward-counts, hw-fwd-module-status, hw-fwd-prog-reqs, hw-fwd-prog-errors, hw-fwd-flow-singlebit-errors, hw-fwd-flow-tag-mismatch, hw-fwd-flow-seq-mismatch, hw-fwd-ageout-drop-count, hw-fwd-invalidation-drop, hw-fwd-flow-hit-index, hw-fwd-flow-reason-flags, hw-fwd-flow-drop-count, hw-fwd-flow-error-count, hw-fwd-flow-unalign-count, hw-fwd-flow-underflow-count, hw-fwd-flow-tx-full-drop, hw-fwd-flow-qdr-full-drop, hw-fwd-phyport-mismatch-drop, hw-fwd-vlanid-mismatch-drop, hw-fwd-vmid-drop, hw-fwd-protocol-mismatch-drop, hw-fwd-avail-ipv4-entry, hw-fwd-avail-ipv6-entry

hardware-forward_slb

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hardware-forward_slb_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry-create': Hardware Entries Created; 'entry-create-failure': Hardware Entries Created; 'entry-create-fail-server-down': Hardware Entries Created; 'entry-create-fail-max-entry': Hardware Entries Created; 'entry-free': Hardware Entries Freed; 'entry-free-opp-entry': Hardware Entries Free due to opposite tuple entry ageout event; 'entry-free-no-hw-prog': Hardware Entry Free no hw prog; 'entry-free-no-conn': Hardware Entry Free no matched conn; 'entry-free-no-sw-entry': Hardware Entry Free no software entry; 'entry-counter': Hardware Entry Count; 'entry-age-out': Hardware Entries Aged Out; 'entry-age-out-idle': Hardware Entries Aged Out Idle; 'entry-age-out-tcp-fin': Hardware Entries Aged Out TCP FIN; 'entry-age-out-tcp-rst': Hardware Entries Aged Out TCP RST; 'entry-age-out-invalid-dst': Hardware Entries Aged Out invalid dst; 'entry-force-hw-invalidate': Hardware Entries Force HW Invalidate; 'entry-invalidate-server-down': Hardware Entries Invalidate due to server down; 'tcam-create': TCAM Entries Created; 'tcam-free': TCAM Entries Freed; 'tcam-counter': TCAM Entry Count;

Type: string

Supported Values: all, entry-create, entry-create-failure, entry-create-fail-server-down, entry-create-fail-max-entry, entry-free, entry-free-opp-entry, entry-free-no-hw-prog, entry-free-no-conn, entry-free-no-sw-entry, entry-counter, entry-age-out, entry-age-out-idle, entry-age-out-tcp-fin, entry-age-out-tcp-rst, entry-age-out-invalid-dst, entry-force-hw-invalidate, entry-invalidate-server-down, tcam-create, tcam-free, tcam-counter

tcp-stats

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-stats_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'connattempt': Connect initiated; 'connects': Connect established; 'drops': Connect dropped; 'conndrops': Embryonic connect dropped; 'closed': Connect closed; 'segstimed': Segs to get RTT; 'rttupdated': Update RTT; 'delack': Delayed acks sent; 'timeoutdrop': Conn dropped in rxmt timeout; 'rexmttimeo': Retransmit timeout; 'persisttimeo': Persist timeout; 'keeptimeo': Keepalive timeout; 'keepprobe': Keepalive probe sent; 'keepdrops': Connect dropped in keepalive; 'sndtotal': Total packet sent; 'sndpack': Data packet sent; 'sndbyte': Data bytes sent; 'sndrexmitpack': Data packet retransmit; 'sndrexmitbyte': Data byte retransmit; 'sndrexmitbad': Unnecessary packet retransmit; 'sndacks': Ack packet sent; 'sndprobe': Window probe sent; 'sndurg': URG packet sent; 'sndwinup': Window update packet sent; 'sndctrl': SYN|FIN|RST packet sent; 'sndrst': RST packet sent; 'sndfin': FIN packet sent; 'sndsyn': SYN packet sent; 'rcvtotal': Total packet received; 'rcvpack': Packet received; 'rcvbyte': Bytes received; 'rcvbadoff': Packet received with bad offset; 'rcvmemdrop': Packet dropped for lack of memory; 'rcvshort': Packet received too short; 'rcvduppack': Duplicate packet received; 'rcvdupbyte': Duplicate bytes received; 'rcvpartduppack': Packet with some duplicate data; 'rcvpartdupbyte': Dup. bytes in part-dup. packets; 'rcvoopack': Out-of-order packet received; 'rcvoobyte': Out-of-order bytes received; 'rcvpackafterwin': Packets with data after window; 'rcvbyteafterwin': Bytes rcvd after window; 'rcvwinprobe': Rcvd window probe packet; 'rcvdupack': Rcvd duplicate acks; 'rcvacktoomuch': Rcvd acks for unsent data; 'rcvackpack': Rcvd ack packets; 'rcvackbyte': Bytes acked by rcvd acks; 'rcvwinupd': Rcvd window update packets; 'pawsdrop': Segments dropped due to PAWS; 'predack': Hdr predict for acks; 'preddat': Hdr predict for data pkts; 'persistdrop': Timeout in persist state; 'mturesent': Resends due to MTU discovery; 'badrst': Ignored RST; 'finwait2_drops': Drop FIN_WAIT_2 connection after time limit; 'sack_recovery_episode': SACK recovery episodes; 'sack_rexmits': SACK rexmit segments; 'sack_rexmit_bytes': SACK rexmit bytes; 'sack_rcv_blocks': SACK received; 'sack_send_blocks': SACK sent; 'ecn_shs': ECN successful handshakes; 'ecn_rcwnd': ECN reduced the cwnd; 'sndcack': Challenge ACK sent; 'cacklim': Challenge ACK limited;

Type: string

Supported Values: all, connattempt, connects, drops, conndrops, closed, segstimed, rttupdated, delack, timeoutdrop, rexmttimeo, persisttimeo, keeptimeo, keepprobe, keepdrops, sndtotal, sndpack, sndbyte, sndrexmitpack, sndrexmitbyte, sndrexmitbad, sndacks, sndprobe, sndurg, sndwinup, sndctrl, sndrst, sndfin, sndsyn, rcvtotal, rcvpack, rcvbyte, rcvbadoff, rcvmemdrop, rcvduppack, rcvdupbyte, rcvpartduppack, rcvpartdupbyte, rcvoopack, rcvoobyte, rcvpackafterwin, rcvbyteafterwin, rcvwinprobe, rcvdupack, rcvacktoomuch, rcvackpack, rcvackbyte, rcvwinupd, pawsdrop, predack, preddat, persistdrop, badrst, finwait2_drops, sack_recovery_episode, sack_rexmits, sack_rexmit_bytes, sack_rcv_blocks, sack_send_blocks, sndcack, cacklim, reassmemdrop, reasstimeout, cc_idle, cc_reduce, rcvdsack, a2brcvwnd, a2bsackpresent, a2bdupack, a2brxdata, a2btcpoptions, a2boodata, a2bpartialack, a2bfsmtransition, a2btransitionnum, b2atransitionnum, bad_iochan, atcpforward, atcpsent, atcprexmitsadrop, atcpsendbackack, atcprexmit, atcpbuffallocfail, a2bappbuffering, atcpsendfail, earlyrexmit, mburstlim, a2bsndwnd, proxyheaderv1, proxyheaderv2

delete-cpu-core

Specification	
Type	*object*

core-index

Description core index to be deleted (Specify core index)

Type: number

Range: 0-128

geoloc-name-helper

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geoloc-name-helper_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'place-holder': place-holder;

Type: string

Supported Values: all, place-holder

shell-privileges

Specification	
Type	*object*

enable-shell-privileges

Description enable the shell privileges for a given customer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-capability

Specification	
Type	*object*

enable

Description Enable/Disable link capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

timeout-value

Specification	
Type	*object*

ftp

Description set timeout to stop ftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 120

http

Description set timeout to stop http transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

https

Description set timeout to stop https transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

scp

Description set timeout to stop scp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 300

sftp

Description set timeout to stop sftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

tftp

Description set timeout to stop tftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shm-logging

Specification	
Type	*object*

enable

Description Enable shared memory based logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting

Specification	
Type	*object*

template-list

Type: List

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting_template-list

Specification	
Type	*list*
Block object keys	

app-resources

Description: app-resources is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/app-resources*

name

Description Enter template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

network-resources

Description: network-resources is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/network-resources*

system-resources

Description: system-resources is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/system-resources*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting_template-list_app-resources

Specification	
Type	*object*

cache-template-cfg

Description: cache-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_cache-template-cfg*

Type: Object

client-ssl-template-cfg

Description: client-ssl-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_client-ssl-template-cfg*

Type: Object

conn-reuse-template-cfg

Description: conn-reuse-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_conn-reuse-template-cfg*

Type: Object

fast-tcp-template-cfg

Description: fast-tcp-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_fast-tcp-template-cfg*

Type: Object

fast-udp-template-cfg

Description: fast-udp-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_fast-udp-template-cfg*

Type: Object

fix-template-cfg

Description: fix-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_fix-template-cfg*

Type: Object

gslb-device-cfg

Description: gslb-device-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-device-cfg*

Type: Object

gslb-geo-location-cfg

Description: gslb-geo-location-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-geo-location-cfg*

Type: Object

gslb-ip-list-cfg

Description: gslb-ip-list-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-ip-list-cfg*

Type: Object

gslb-policy-cfg

Description: gslb-policy-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-policy-cfg*

Type: Object

gslb-service-cfg

Description: gslb-service-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-service-cfg*

Type: Object

gslb-service-ip-cfg

Description: gslb-service-ip-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-service-ip-cfg*

Type: Object

gslb-service-port-cfg

Description: gslb-service-port-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-service-port-cfg*

Type: Object

gslb-site-cfg

Description: gslb-site-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-site-cfg*

Type: Object

gslb-svc-group-cfg

Description: gslb-svc-group-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-svc-group-cfg*

Type: Object

gslb-template-cfg

Description: gslb-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-template-cfg*

Type: Object

gslb-zone-cfg

Description: gslb-zone-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-zone-cfg*

Type: Object

health-monitor-cfg

Description: health-monitor-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_health-monitor-cfg*

Type: Object

http-template-cfg

Description: http-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_http-template-cfg*

Type: Object

link-cost-template-cfg

Description: link-cost-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_link-cost-template-cfg*

Type: Object

persist-cookie-template-cfg

Description: persist-cookie-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_persist-cookie-template-cfg*

Type: Object

persist-srcip-template-cfg

Description: persist-srcip-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_persist-srcip-template-cfg*

Type: Object

proxy-template-cfg

Description: proxy-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_proxy-template-cfg*

Type: Object

real-port-cfg

Description: real-port-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_real-port-cfg*

Type: Object

real-server-cfg

Description: real-server-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_real-server-cfg*

Type: Object

server-ssl-template-cfg

Description: server-ssl-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_server-ssl-template-cfg*

Type: Object

service-group-cfg

Description: service-group-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_service-group-cfg*

Type: Object

stream-template-cfg

Description: stream-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_stream-template-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-cfg

Description: virtual-port-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_virtual-port-cfg*

Type: Object

virtual-server-cfg

Description: virtual-server-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_virtual-server-cfg*

Type: Object

resource-accounting_template-list_app-resources_http-template-cfg

Specification	
Type	*object*

http-template-max

Description Enter the number of http-template allowed (http-template count (default is max-value))

Type: number

http-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_server-ssl-template-cfg

Specification	
Type	*object*

server-ssl-template-max

Description Enter the number of server-ssl-template allowed (server-ssl-template count (default is max-value))

Type: number

server-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-template-cfg

Specification	
Type	*object*

gslb-template-max

Description Enter the number of gslb-template allowed (gslb-template count (default is max-value))

Type: number

gslb-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_virtual-server-cfg

Specification	
Type	*object*

virtual-server-max

Description Enter the number of virtual-servers allowed (virtual-server count (default is max-value))

Type: number

virtual-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-service-port-cfg

Specification	
Type	*object*

gslb-service-port-max

Description Enter the number of gslb-service-port allowed (gslb-service-port count (default is max-value))

Type: number

gslb-service-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-site-cfg

Specification	
Type	*object*

gslb-site-max

Description Enter the number of gslb-site allowed (gslb-site count (default is max-value))

Type: number

gslb-site-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_proxy-template-cfg

Specification	
Type	*object*

proxy-template-max

Description Enter the number of proxy-template allowed (server-ssl-template count (default is max-value))

Type: number

proxy-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_real-server-cfg

Specification	
Type	*object*

real-server-max

Description Enter the number of real-servers allowed (real-server count (default is max-value))

Type: number

real-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_link-cost-template-cfg

Specification	
Type	*object*

link-cost-template-max

Description Enter the number of link-cost-template allowed (link-cost-template count (default is max-value))

Type: number

link-cost-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_client-ssl-template-cfg

Specification	
Type	*object*

client-ssl-template-max

Description Enter the number of client-ssl-template allowed (client-ssl-template count (default is max-value))

Type: number

client-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_health-monitor-cfg

Specification	
Type	*object*

health-monitor-max

Description Enter the number of health monitors allowed (health-monitor count (default is max-value))

Type: number

Range: 0-1023

health-monitor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-1023

Default: 0

resource-accounting_template-list_app-resources_gslb-zone-cfg

Specification	
Type	*object*

gslb-zone-max

Description Enter the number of gslb-zone allowed (gslb-zone count (default is max-value))

Type: number

gslb-zone-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_conn-reuse-template-cfg

Specification	
Type	*object*

conn-reuse-template-max

Description Enter the number of conn-reuse-template allowed (conn-reuse-template count (default is max-value))

Type: number

conn-reuse-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-policy-cfg

Specification	
Type	*object*

gslb-policy-max

Description Enter the number of gslb-policy allowed (gslb-policy count (default is max-value))

Type: number

gslb-policy-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-service-cfg

Specification	
Type	*object*

gslb-service-max

Description Enter the number of gslb-service allowed (gslb-service count (default is max-value)

Type: number

gslb-service-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-geo-location-cfg

Specification	
Type	*object*

gslb-geo-location-max

Description Enter the number of gslb-geo-location allowed (gslb-geo-location count (default is max-value))

Type: number

gslb-geo-location-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_cache-template-cfg

Specification	
Type	*object*

cache-template-max

Description Enter the number of cache-template allowed (cache-template count (default is max-value))

Type: number

cache-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_persist-cookie-template-cfg

Specification	
Type	*object*

persist-cookie-template-max

Description Enter the number of persist-cookie-template allowed (persist-cookie-template count (default is max-value))

Type: number

persist-cookie-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_fix-template-cfg

Specification	
Type	*object*

fix-template-max

Description Enter the number of fix-template allowed (fix-template count (default is max-value))

Type: number

fix-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_fast-tcp-template-cfg

Specification	
Type	*object*

fast-tcp-template-max

Description Enter the number of fast-tcp-template allowed (fast-tcp-template count (default is max-value))

Type: number

fast-tcp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_fast-udp-template-cfg

Specification	
Type	*object*

fast-udp-template-max

Description Enter the number of fast-udp-template allowed (fast-udp-template count (default is max-value))

Type: number

fast-udp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-service-ip-cfg

Specification	
Type	*object*

gslb-service-ip-max

Description Enter the number of gslb-service-ip allowed (gslb-service-ip count (default is max-value))

Type: number

gslb-service-ip-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-svc-group-cfg

Specification	
Type	*object*

gslb-svc-group-max

Description Enter the number of gslb-svc-group allowed (gslb-svc-group count (default is max-value))

Type: number

gslb-svc-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_virtual-port-cfg

Specification	
Type	*object*

virtual-port-max

Description Enter the number of virtual-port allowed (virtual-port count (default is max-value))

Type: number

virtual-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_service-group-cfg

Specification	
Type	*object*

service-group-max

Description Enter the number of service groups allowed (service-group count (default is max-value))

Type: number

service-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-device-cfg

Specification	
Type	*object*

gslb-device-max

Description Enter the number of gslb-device allowed (gslb-device count (default is max-value))

Type: number

gslb-device-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_persist-srcip-template-cfg

Specification	
Type	*object*

persist-srcip-template-max

Description Enter the number of persist-srcip-template allowed (persist-source-ip-template count (default is max-value))

Type: number

persist-srcip-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_stream-template-cfg

Specification	
Type	*object*

stream-template-max

Description Enter the number of stream-template allowed (server-ssl-template count (default is max-value))

Type: number

stream-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_real-port-cfg

Specification	
Type	*object*

real-port-max

Description Enter the number of real-ports allowed (real-port count (default is max-value))

Type: number

real-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-ip-list-cfg

Specification	
Type	*object*

gslb-ip-list-max

Description Enter the number of gslb-ip-list allowed (gslb-ip-list count (default is max-value))

Type: number

gslb-ip-list-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_system-resources

Specification	
Type	*object*

bw-limit-cfg

Description: bw-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_bw-limit-cfg*

Type: Object

concurrent-session-limit-cfg

Description: concurrent-session-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_concurrent-session-limit-cfg*

Type: Object

fwcps-limit-cfg

Description: fwcps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_fwcps-limit-cfg*

Type: Object

l4-session-limit-cfg

Description: l4-session-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_l4-session-limit-cfg*

Type: Object

l4cps-limit-cfg

Description: l4cps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_l4cps-limit-cfg*

Type: Object

l7cps-limit-cfg

Description: l7cps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_l7cps-limit-cfg*

Type: Object

natcps-limit-cfg

Description: natcps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_natcps-limit-cfg*

Type: Object

ssl-throughput-limit-cfg

Description: ssl-throughput-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_ssl-throughput-limit-cfg*

Type: Object

sslcps-limit-cfg

Description: sslcps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_sslcps-limit-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting_template-list_system-resources_l4-session-limit-cfg

Specification	
Type	*object*

l4-session-limit-max

Description Enter the l4 session limit in % (0.01% to 99.99%) (Enter a number from 0.01 to 99.99 (up to 2 digits precision))

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

l4-session-limit-min-guarantee

Description minimum guaranteed value in % (up to 2 digits precision) (Enter a number from 0 to 99.99)

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

Default: 0

resource-accounting_template-list_system-resources_l7cps-limit-cfg

Specification	
Type	*object*

l7cps-limit-max

Description L7cps-limit (L7 cps limit (no limits applied by default))

Type: number

Range: 100-300000

resource-accounting_template-list_system-resources_l4cps-limit-cfg

Specification	
Type	*object*

l4cps-limit-max

Description Enter the L4 cps limit (L4 cps limit (no limits applied by default))

Type: number

Range: 100-1000000

resource-accounting_template-list_system-resources_natcps-limit-cfg

Specification	
Type	*object*

natcps-limit-max

Description Enter the Nat cps limit (NAT cps limit (no limits applied by default))

Type: number

Range: 100-1000000

resource-accounting_template-list_system-resources_sslcps-limit-cfg

Specification	
Type	*object*

sslcps-limit-max

Description Enter the SSL cps limit (SSL cps limit (no limits applied by default))

Type: number

Range: 100-300000

resource-accounting_template-list_system-resources_fwcps-limit-cfg

Specification	
Type	*object*

fwcps-limit-max

Description Enter the Firewall cps limit (Firewall cps limit (no limits applied by default))

Type: number

Range: 100-1000000

resource-accounting_template-list_system-resources_ssl-throughput-limit-cfg

Specification	
Type	*object*

ssl-throughput-limit-max

Description Enter the ssl throughput limit in mbps (SSL Througput limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

ssl-throughput-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-accounting_template-list_system-resources_bw-limit-cfg

Specification	
Type	*object*

bw-limit-max

Description Enter the bandwidth limit in mbps (Bandwidth limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

bw-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-accounting_template-list_system-resources_concurrent-session-limit-cfg

Specification	
Type	*object*

concurrent-session-limit-max

Description Enter the Concurrent Session limit (cps) (Concurrent-Session cps limit (no limits applied by default))

Type: number

resource-accounting_template-list_network-resources

Specification	
Type	*object*

ipv4-acl-line-cfg

Description: ipv4-acl-line-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_ipv4-acl-line-cfg*

Type: Object

ipv6-acl-line-cfg

Description: ipv6-acl-line-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_ipv6-acl-line-cfg*

Type: Object

object-group-cfg

Description: object-group-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_object-group-cfg*

Type: Object

object-group-clause-cfg

Description: object-group-clause-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_object-group-clause-cfg*

Type: Object

static-arp-cfg

Description: static-arp-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-arp-cfg*

Type: Object

static-ipv4-route-cfg

Description: static-ipv4-route-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-ipv4-route-cfg*

Type: Object

static-ipv6-route-cfg

Description: static-ipv6-route-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-ipv6-route-cfg*

Type: Object

static-mac-cfg

Description: static-mac-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-mac-cfg*

Type: Object

static-neighbor-cfg

Description: static-neighbor-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-neighbor-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting_template-list_network-resources_static-ipv6-route-cfg

Specification	
Type	*object*

static-ipv6-route-max

Description Enter the number of static ipv6 routes allowed (Static ipv6 routes (default is max-value))

Type: number

static-ipv6-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_network-resources_object-group-clause-cfg

Specification	
Type	*object*

object-group-clause-max

Description Enter the number of object group clauses allowed (Object group clauses (default is max-value))

Type: number

Range: 0-8192000

object-group-clause-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8192000

Default: 0

resource-accounting_template-list_network-resources_static-ipv4-route-cfg

Specification	
Type	*object*

static-ipv4-route-max

Description Enter the number of static ipv4 routes allowed (Static ipv4 routes (default is max-value))

Type: number

static-ipv4-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_network-resources_static-arp-cfg

Specification	
Type	*object*

static-arp-max

Description Enter the number of static arp entries allowed (Static arp (default is max-value))

Type: number

Range: 0-128

static-arp-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

resource-accounting_template-list_network-resources_ipv4-acl-line-cfg

Specification	
Type	*object*

ipv4-acl-line-max

Description Enter the number of ACL lines allowed (IPV4 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv4-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

resource-accounting_template-list_network-resources_static-mac-cfg

Specification	
Type	*object*

static-mac-max

Description Enter the number of static MAC entries allowed (Static MACs (default is max-value))

Type: number

Range: 0-500

static-mac-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-500

Default: 0

resource-accounting_template-list_network-resources_ipv6-acl-line-cfg

Specification	
Type	*object*

ipv6-acl-line-max

Description Enter the number of ACL lines allowed (IPV6 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv6-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

resource-accounting_template-list_network-resources_static-neighbor-cfg

Specification	
Type	*object*

static-neighbor-max

Description Enter the number of static neighbor entries allowed (Static neighbors (default is max-value))

Type: number

Range: 0-128

static-neighbor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

resource-accounting_template-list_network-resources_object-group-cfg

Specification	
Type	*object*

object-group-max

Description Enter the number of object groups allowed (Object group (default is max-value))

Type: number

Range: 0-8000

object-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8000

Default: 0

ssl-scv-verify-host

Specification	
Type	*object*

disable

Description Disable verify host during SCV

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hardware

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fpga-drop

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fpga-drop_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'mrx-drop': Total MRX Drop; 'hrx-drop': Total HRX Drop; 'siz-drop': Total Size Drop; 'fcs-drop': Total FCS Drop; 'land-drop': Total LAND Attack Drop; 'empty-frag-drop': Total Empty frag Drop; 'mic-frag-drop': Total Micro frag Drop; 'ipv4-opt-drop': Total IPv4 opt Drop; 'ipv4-frag': Total IP frag Drop; 'bad-ip-hdr-len': Total Bad IP hdr len Drop; 'bad-ip-flags-drop': Total Bad IP Flags Drop; 'bad-ip-ttl-drop': Total Bad IP TTL Drop; 'no-ip-payload-drop': Total No IP Payload Drop; 'oversize-ip-payload': Total Oversize IP PL Drop; 'bad-ip-payload-len': Total Bad IP PL len Drop; 'bad-ip-frag-offset': Total Bad IP frag off Drop; 'bad-ip-chksum-drop': Total Bad IP csum Drop; 'icmp-pod-drop': Total ICMP POD Drop; 'tcp-bad-urg-offet': Total TCP bad urg off Drop; 'tcp-short-hdr': Total TCP short hdr Drop; 'tcp-bad-ip-len': Total TCP Bad IP Len Drop; 'tcp-null-flags': Total TCP null flags Drop; 'tcp-null-scan': Total TCP null scan Drop; 'tcp-fin-sin': Total TCP SYN&FIN Drop; 'tcp-xmas-flags': Total TCP XMAS FLAGS Drop; 'tcp-xmas-scan': Total TCP XMAS scan Drop; 'tcp-syn-frag': Total TCP SYN frag Drop; 'tcp-frag-hdr': Total TCP frag header Drop; 'tcp-bad-chksum': Total TCP bad csum Drop; 'udp-short-hdr': Total UDP short hdr Drop; 'udp-bad-ip-len': Total UDP bad leng Drop; 'udp-kb-frags': Total UDP KB frag Drop; 'udp-port-lb': Total UDP port LB Drop; 'udp-bad-chksum': Total UDP bad csum Drop; 'runt-ip-hdr': Total Runt IP hdr Drop; 'runt-tcpudp-hdr': Total Runt TCPUDP hdr Drop; 'tun-mismatch': Total Tun mismatch Drop; 'qdr-drop': Total QDR Drop;

Type: string

Supported Values: all, mrx-drop, hrx-drop, siz-drop, fcs-drop, land-drop, empty-frag-drop, mic-frag-drop, ipv4-opt-drop, ipv4-frag, bad-ip-hdr-len, bad-ip-flags-drop, bad-ip-ttl-drop, no-ip-payload-drop, oversize-ip-payload, bad-ip-payload-len, bad-ip-frag-offset, bad-ip-chksum-drop, icmp-pod-drop, tcp-bad-urg-offet, tcp-short-hdr, tcp-bad-ip-len, tcp-null-flags, tcp-null-scan, tcp-fin-sin, tcp-xmas-flags, tcp-xmas-scan, tcp-syn-frag, tcp-frag-hdr, tcp-bad-chksum, udp-short-hdr, udp-bad-ip-len, udp-kb-frags, udp-port-lb, udp-bad-chksum, runt-ip-hdr, runt-tcpudp-hdr, tun-mismatch, qdr-drop

all-vlan-limit

Specification	
Type	*object*

bcast

Description broadcast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

ipmcast

Description IP multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

mcast

Description multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

unknown-ucast

Description unknown unicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

guest-file

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

high-memory-l4-session

Specification	
Type	*object*

enable

Description Enable/Disable high memory l4 session support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

per-vlan-limit

Specification	
Type	*object*

bcast

Description broadcast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

ipmcast

Description IP multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

mcast

Description multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

unknown-ucast

Description unknown unicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

deep-hrxq

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cosq-show

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

set-rxtx-queue

Specification	
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

rxq-size

Description Set number of new rx queues

Type: number

Range: 0-1024

txq-size

Description Set number of new tx queues

Type: number

Range: 0-1024

syslog-time-msec

Specification	
Type	*object*

enable-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipmi-service

Specification	
Type	*object*

disable

Description Disable IPMI on platform

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

data-cpu

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-cache

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-cache_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_q': Total query; 'total_r': Total server response; 'hit': Total cache hit; 'bad_q': Query not passed; 'encode_q': Query encoded; 'multiple_q': Query with multiple questions; 'oversize_q': Query exceed cache size; 'bad_r': Response not passed; 'oversize_r': Response exceed cache size; 'encode_r': Response encoded; 'multiple_r': Response with multiple questions; 'answer_r': Response with multiple answers; 'ttl_r': Response with short TTL; 'ageout': Total aged out; 'bad_answer': Bad Answer; 'ageout_weight': Total aged for lower weight; 'total_log': Total stats log sent; 'total_alloc': Total allocated; 'total_freed': Total freed; 'current_allocate': Current allocate; 'current_data_allocate': Current data allocate; 'resolver_queue_full': Resolver task queue full;

Type: string

Supported Values: all, total_q, total_r, hit, bad_q, encode_q, multiple_q, oversize_q, bad_r, oversize_r, encode_r, multiple_r, answer_r, ttl_r, ageout, bad_answer, ageout_weight, total_log, total_alloc, total_freed, current_allocate, current_data_allocate, resolver_queue_full

set-tcp-syn-per-sec

Specification	
Type	*object*

tcp-syn-value

Description Configure Tcp SYN's per sec, default 70

Type: number

Range: 25-128

Default: 70

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw

Specification	
Type	*object*

application-flow

Description Number of flows

Type: number

application-mempool

Description Enable application memory pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-dpi-enable

Description Enable basic dpi

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-dns-cache

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-template

Specification	
Type	*object*

link-block-as-down

Description: link-block-as-down is a **JSON Block**. Please see below for *mon-template_link-block-as-down*

Type: Object

Refernce Object: */axapi/v3/system/mon-template/link-block-as-down*

link-down-on-restart

Description: link-down-on-restart is a **JSON Block**. Please see below for *mon-template_link-down-on-restart*

Type: Object

Refernce Object: */axapi/v3/system/mon-template/link-down-on-restart*

monitor-list

Type: List

Refernce Object: */axapi/v3/system/mon-template/monitor/{id}*

mon-template_link-down-on-restart

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-template_monitor-list

Specification	
Type	*list*
Block object keys	

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-template_monitor-list_clear-cfg

Specification	
Type	*list*
Block object keys	

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

mon-template_monitor-list_link-enable-cfg

Specification	
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

mon-template_monitor-list_link-up-cfg

Specification	
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the sequece number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

mon-template_monitor-list_link-down-cfg

Specification	
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the seqeuence number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

mon-template_monitor-list_link-disable-cfg

Specification	
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

mon-template_link-block-as-down

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dpdk-stats

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dpdk-stats_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkt-drop': Total packet drop; 'pkt-lnk-down-drop': Total packets link down drop; 'err-pkt-drop': Total error packet drop; 'rx-err': Total RX packet error; 'tx-err': Total TX packet error; 'tx-drop': Total TX packet drop; 'rx-len-err': Total RX packet length error; 'rx-over-err': Total RX packet over error; 'rx-crc-err': Total RX packet CRC error; 'rx-frame-err': Total RX packet frame error; 'rx-no-buff-err': Total RX packet no buffer error; 'rx-miss-err': Total RX packet miss error; 'tx-abort-err': Total TX packet abort error; 'tx-carrier-err': Total TX packert carrier error; 'tx-fifo-err': Total TX packet fifo error; 'tx-hbeat-err': Total TX packet HBEAT error; 'tx-windows-err': Total TX windows error; 'rx-long-len-err': Total RX packet long length error; 'rx-short-len-err': Total RX packet short length error; 'rx-align-err': Total RX packet align error; 'rx-csum-offload-err': Total Rx packet check-sum offload error; 'io-rx-que-drop': Total IO core Rx queue drop; 'io-tx-que-drop': Total IO core TX queue drop; 'io-ring-drop': Total IO core ring drop; 'w-tx-que-drop': Total worker core queue drop; 'w-link-down-drop': Total worker core link down drop; 'w-ring-drop': Total worker core ring drop;

Type: string

Supported Values: all, pkt-drop, pkt-lnk-down-drop, err-pkt-drop, rx-err, tx-err, tx-drop, rx-len-err, rx-over-err, rx-crc-err, rx-frame-err, rx-no-buff-err, rx-miss-err, tx-abort-err, tx-carrier-err, tx-fifo-err, tx-hbeat-err, tx-windows-err, rx-long-len-err, rx-short-len-err, rx-align-err, rx-csum-offload-err, io-rx-que-drop, io-tx-que-drop, io-ring-drop, w-tx-que-drop, w-link-down-drop, w-ring-drop

geoloc

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geoloc_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'place-holder': place-holder;

Type: string

Supported Values: all, place-holder

upgrade-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'over_limit_drop': Over limit drops; 'limit_intf_drop': Interfaces rate limit drops; 'limit_vserver_drop': Virtual Server rate limit drops; 'limit_total_drop': Total rate limit drops; 'lockup_time_left': Lockup time left; 'curr_rate': Current rate; 'v6_over_limit_drop': Over limit drops (v6); 'v6_limit_intf_drop': Interfaces rate limit drops (v6); 'v6_limit_vserver_drop': Virtual Server rate limit drops (v6); 'v6_limit_total_drop': Total rate limit drops (v6); 'v6_lockup_time_left': Lockup time left (v6); 'v6_curr_rate': Current rate (v6);

Type: string

Supported Values: all, over_limit_drop, limit_intf_drop, limit_vserver_drop, limit_total_drop, lockup_time_left, curr_rate, v6_over_limit_drop, v6_limit_intf_drop, v6_limit_vserver_drop, v6_limit_total_drop, v6_lockup_time_left, v6_curr_rate

set-rxtx-desc-size

Specification	
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

rxd-size

Description Set new rx-descriptor size

Type: number

Range: 0-65536

txd-size

Description Set new tx-descriptor size

Type: number

Range: 0-65536

mfa-management

Specification	
Type	*object*

enable

Description Enable 2FA for management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp6

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp6_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'in_msgs': In messages; 'in_errors': In Errors; 'in_dest_un_reach': In Destunation Unreachable; 'in_pkt_too_big': In Packet too big; 'in_time_exceeds': In TTL Exceeds; 'in_param_prob': In Parameter Problem; 'in_echoes': In Echo requests; 'in_exho_reply': In Echo replies; 'in_grp_mem_query': In Group member query;

'in_grp_mem_resp': In Group member reply; 'in_grp_mem_reduction': In Group member reduction; 'in_router_sol': In Router solicitation; 'in_ra': In Router advertisement; 'in_ns': In neighbor solicitation; 'in_na': In neighbor advertisement; 'in_redirect': In Redirects; 'out_msg': Out Messages; 'out_dst_un_reach': Out Destination Unreachable; 'out_pkt_too_big': Out Packet too big; 'out_time_exceeds': Out TTL Exceeds; 'out_param_prob': Out Parameter Problem; 'out_echo_req': Out Echo requests; 'out_echo_replies': Out Echo replies; 'out_rs': Out Router solicitation; 'out_ra': Out Router advertisement; 'out_ns': Out neighbor solicitation; 'out_na': Out neighbor advertisement; 'out_redirects': Out Redirects; 'out_mem_resp': Out Group member reply; 'out_mem_reductions': Out Group member reduction; 'err_rs': Error Router solicitation; 'err_ra': Error Router advertisement; 'err_ns': Error Neighbor solicitation; 'err_na': Error Neighbor advertisement; 'err_redirects': Error Redirects; 'err_echoes': Error Echo requests; 'err_echo_replies': Error Echo replies;

Type: string

Supported Values: all, in_msgs, in_errors, in_dest_un_reach, in_pkt_too_big, in_time_exceeds, in_param_prob, in_echoes, in_exho_reply, in_grp_mem_query, in_grp_mem_resp, in_grp_mem_reduction, in_router_sol, in_ra, in_ns, in_na, in_redirect, out_msg, out_dst_un_reach, out_pkt_too_big, out_time_exceeds, out_param_prob, out_echo_req, out_echo_replies, out_rs, out_ra, out_ns, out_na, out_redirects, out_mem_resp, out_mem_reductions, err_rs, err_ra, err_ns, err_na, err_redirects, err_echoes, err_echo_replies

psu-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

table-integrity

Specification	
Type	*object*

audit-action

Description 'enable': Enable table integrity audit; 'disable': Disable table integrity audit;

Type: string

Supported Values: enable, disable

Default: enable

auto-sync-action

Description 'enable': Enable auto-sync; 'disable': Disable auto-sync;

Type: string

Supported Values: enable, disable

Default: enable

sampling-enable

Type: List

table

Description 'all': All tables;

Type: string

Supported Values: all

Default: all

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

table-integrity_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'arp-tbl-sync-start-ts-m-1st': arp table sync start time stamp master; 'nd6-tbl-sync-start-ts-m-1st': nd6 table sync start time stamp master; 'ipv4-fib-tbl-sync-start-ts-m-1st': ipv4-fib table sync start time stamp master; 'ipv6-fib-tbl-sync-start-ts-m-1st': ipv6-fib table sync start time stamp master; 'mac-tbl-sync-start-ts-m-1st': mac table sync start time stamp master; 'arp-tbl-sync-start-ts-b-1st': arp table sync start time stamp blade; 'nd6-tbl-sync-start-ts-b-1st': nd6 table sync start time stamp blade; 'ipv4-fib-tbl-sync-start-ts-b-1st': ipv4-fib table sync start time stamp blade; 'ipv6-fib-tbl-sync-start-ts-b-1st': ipv6-fib table sync start time stamp blade; 'mac-tbl-sync-start-ts-b-1st': mac table sync start time stamp blade; 'arp-tbl-sync-entries-sent-m-1st': arp table entries sent from master for T0 synchronization; 'nd6-tbl-sync-entries-sent-m-1st': nd6 table entries sent from master for T0 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-1st': ipv4-fib table entries sent from master for T0 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-1st': ipv6-fib table entries sent from master for T0 synchronization; 'mac-tbl-sync-entries-sent-m-1st': mac table entries sent from master for T0 synchronization; 'arp-tbl-sync-entries-rcvd-b-1st': arp table entries received on blade for T0 synchronization; 'nd6-tbl-sync-entries-rcvd-b-1st': nd6 table entries received on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-1st': ipv4-fib table entries received on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-1st': ipv6-fib table entries received on blade for T0 synchronization; 'mac-tbl-sync-entries-rcvd-b-1st': mac table entries received on blade for T0 synchronization; 'arp-tbl-sync-entries-added-b-1st': arp table entries added on blade for T0 synchronization; 'nd6-tbl-sync-entries-added-b-1st': nd6 table entries

added on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-1st': ipv4-fib table entries added on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-1st': ipv6-fib table entries added on blade for T0 synchronization; 'mac-tbl-sync-entries-added-b-1st': mac table entries added on blade for T0 synchronization; 'arp-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'nd6-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'mac-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'arp-tbl-sync-end-ts-m-1st': arp table sync end time stamp master for T0 synchronization; 'nd6-tbl-sync-end-ts-m-1st': nd6 table sync end time stamp master for T0 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-1st': ipv4-fib table sync end time stamp master for T0 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-1st': ipv6-fib table sync end time stamp master for T0 synchronization; 'mac-tbl-sync-end-ts-m-1st': mac table sync end time stamp master for T0 synchronization; 'arp-tbl-sync-end-ts-b-1st': arp table sync end time stamp blade for T0 synchronization; 'nd6-tbl-sync-end-ts-b-1st': nd6 table sync end time stamp blade for T0 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-1st': ipv4-fib table sync end time stamp blade for T0 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-1st': ipv6-fib table sync end time stamp blade for T0 synchronization; 'mac-tbl-sync-end-ts-b-1st': mac table sync end time stamp blade for T0 synchronization; 'arp-tbl-sync-start-ts-m-2nd': arp table sync start time stamp master for T-1 synchronization; 'nd6-tbl-sync-start-ts-m-2nd': nd6 table sync start time stamp master for T-1 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-2nd': ipv4-fib table sync start time stamp master for T-1 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-2nd': ipv6-fib table sync start time stamp master for T-1 synchronization; 'mac-tbl-sync-start-ts-m-2nd': mac table sync start time stamp master for T-1 synchronization; 'arp-tbl-sync-start-ts-b-2nd': arp table sync start time stamp blade for T-1 synchronization; 'nd6-tbl-sync-start-ts-b-2nd': nd6 table sync start time stamp blade for T-1 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-2nd': ipv4-fib table sync start time stamp blade for T-1 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-2nd': ipv6-fib table sync start time stamp blade for T-1 synchronization; 'mac-tbl-sync-start-ts-b-2nd': mac table sync start time stamp blade for T-1 synchronization; 'arp-tbl-sync-entries-sent-m-2nd': arp table entries sent from master for T-1 synchronization; 'nd6-tbl-sync-entries-sent-m-2nd': nd6 table entries sent from master for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-2nd': ipv4-fib table entries sent from master for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-2nd': ipv6-fib table entries sent from master for T-1 synchronization; 'mac-tbl-sync-entries-sent-m-2nd': mac table entries sent from master for T-1 synchronization; 'arp-tbl-sync-entries-rcvd-b-2nd': arp table entries received in blade for T-1 synchronization; 'nd6-tbl-sync-entries-rcvd-b-2nd': nd6 table entries received in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-2nd': ipv4-fib table entries received in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-2nd': ipv6-fib table entries received in blade for T-1 synchronization; 'mac-tbl-sync-entries-rcvd-b-2nd': mac table entries received in blade for T-1 synchronization; 'arp-tbl-sync-entries-added-b-2nd': arp table entries added in blade for T-1 synchronization; 'nd6-tbl-sync-entries-added-b-2nd': nd6 table entries added in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-2nd': ipv4-fib table entries added in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-2nd': ipv6-fib table entries added in blade for T-1 synchronization; 'mac-tbl-sync-entries-added-b-2nd': mac table entries added in blade for T-1 synchronization; 'arp-tbl-sync-entries-removed-b-2nd': arp table entries removed in blade for T-1 synchronization; 'nd6-tbl-sync-entries-removed-b-2nd': nd6 table entries removed in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-2nd': ipv4-fib table entries removed in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-2nd': ipv6-fib table entries removed in blade for T-1 synchronization; 'mac-tbl-sync-entries-removed-b-2nd': mac table entries removed in blade for T-1 synchronization; 'arp-tbl-sync-end-ts-m-2nd': arp table sync end time stamp master for T-1 synchronization; 'nd6-tbl-sync-end-ts-m-2nd': nd6 table sync end time stamp master for T-1 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-2nd': ipv4-fib table sync end time stamp master for T-1 synchro-

nization; 'ipv6-fib-tbl-sync-end-ts-m-2nd': ipv6-fib table sync end time stamp master for T-1 synchronization; 'mac-tbl-sync-end-ts-m-2nd': mac table sync end time stamp master for T-1 synchronization; 'arp-tbl-sync-end-ts-b-2nd': arp table sync end time stamp blade for T-1 synchronization; 'nd6-tbl-sync-end-ts-b-2nd': nd6 table sync end time stamp blade for T-1 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-2nd': ipv4-fib table sync end time stamp blade for T-1 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-2nd': ipv6-fib table sync end time stamp blade for T-1 synchronization; 'mac-tbl-sync-end-ts-b-2nd': mac table sync end time stamp blade for T-1 synchronization; 'arp-tbl-sync-start-ts-m-3rd': arp table sync start time stamp master for T-2 synchronization; 'nd6-tbl-sync-start-ts-m-3rd': nd6 table sync start time stamp master for T-2 synchronization;

Type: string

Supported Values: all, arp-tbl-sync-start-ts-m-1st, nd6-tbl-sync-start-ts-m-1st, ipv4-fib-tbl-sync-start-ts-m-1st, ipv6-fib-tbl-sync-start-ts-m-1st, mac-tbl-sync-start-ts-m-1st, arp-tbl-sync-start-ts-b-1st, nd6-tbl-sync-start-ts-b-1st, ipv4-fib-tbl-sync-start-ts-b-1st, ipv6-fib-tbl-sync-start-ts-b-1st, mac-tbl-sync-start-ts-b-1st, arp-tbl-sync-entries-sent-m-1st, nd6-tbl-sync-entries-sent-m-1st, ipv4-fib-tbl-sync-entries-sent-m-1st, ipv6-fib-tbl-sync-entries-sent-m-1st, mac-tbl-sync-entries-sent-m-1st, arp-tbl-sync-entries-rcvd-b-1st, nd6-tbl-sync-entries-rcvd-b-1st, ipv4-fib-tbl-sync-entries-rcvd-b-1st, ipv6-fib-tbl-sync-entries-rcvd-b-1st, mac-tbl-sync-entries-rcvd-b-1st, arp-tbl-sync-entries-added-b-1st, nd6-tbl-sync-entries-added-b-1st, ipv4-fib-tbl-sync-entries-added-b-1st, ipv6-fib-tbl-sync-entries-added-b-1st, mac-tbl-sync-entries-added-b-1st, arp-tbl-sync-entries-removed-b-1st, nd6-tbl-sync-entries-removed-b-1st, ipv4-fib-tbl-sync-entries-removed-b-1st, ipv6-fib-tbl-sync-entries-removed-b-1st, mac-tbl-sync-entries-removed-b-1st, arp-tbl-sync-end-ts-m-1st, nd6-tbl-sync-end-ts-m-1st, ipv4-fib-tbl-sync-end-ts-m-1st, ipv6-fib-tbl-sync-end-ts-m-1st, mac-tbl-sync-end-ts-m-1st, arp-tbl-sync-end-ts-b-1st, nd6-tbl-sync-end-ts-b-1st, ipv4-fib-tbl-sync-end-ts-b-1st, ipv6-fib-tbl-sync-end-ts-b-1st, mac-tbl-sync-end-ts-b-1st, arp-tbl-sync-start-ts-m-2nd, nd6-tbl-sync-start-ts-m-2nd, ipv4-fib-tbl-sync-start-ts-m-2nd, ipv6-fib-tbl-sync-start-ts-m-2nd, mac-tbl-sync-start-ts-m-2nd, arp-tbl-sync-start-ts-b-2nd, nd6-tbl-sync-start-ts-b-2nd, ipv4-fib-tbl-sync-start-ts-b-2nd, ipv6-fib-tbl-sync-start-ts-b-2nd, mac-tbl-sync-start-ts-b-2nd, arp-tbl-sync-entries-sent-m-2nd, nd6-tbl-sync-entries-sent-m-2nd, ipv4-fib-tbl-sync-entries-sent-m-2nd, ipv6-fib-tbl-sync-entries-sent-m-2nd, mac-tbl-sync-entries-sent-m-2nd, arp-tbl-sync-entries-rcvd-b-2nd, nd6-tbl-sync-entries-rcvd-b-2nd, ipv4-fib-tbl-sync-entries-rcvd-b-2nd, ipv6-fib-tbl-sync-entries-rcvd-b-2nd, mac-tbl-sync-entries-rcvd-b-2nd, arp-tbl-sync-entries-added-b-2nd, nd6-tbl-sync-entries-added-b-2nd, ipv4-fib-tbl-sync-entries-added-b-2nd, ipv6-fib-tbl-sync-entries-added-b-2nd, mac-tbl-sync-entries-added-b-2nd, arp-tbl-sync-entries-removed-b-2nd, nd6-tbl-sync-entries-removed-b-2nd, ipv4-fib-tbl-sync-entries-removed-b-2nd, ipv6-fib-tbl-sync-entries-removed-b-2nd, mac-tbl-sync-entries-removed-b-2nd, arp-tbl-sync-end-ts-m-2nd, nd6-tbl-sync-end-ts-m-2nd, ipv4-fib-tbl-sync-end-ts-m-2nd, ipv6-fib-tbl-sync-end-ts-m-2nd, mac-tbl-sync-end-ts-m-2nd, arp-tbl-sync-end-ts-b-2nd, nd6-tbl-sync-end-ts-b-2nd, ipv4-fib-tbl-sync-end-ts-b-2nd, ipv6-fib-tbl-sync-end-ts-b-2nd, mac-tbl-sync-end-ts-b-2nd, arp-tbl-sync-start-ts-m-3rd, nd6-tbl-sync-start-ts-m-3rd

counters2

Description 'ipv4-fib-tbl-sync-start-ts-m-3rd': ipv4-fib table sync start time stamp master for T-2 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-3rd': ipv6-fib table sync start time stamp master for T-2 synchronization; 'mac-tbl-sync-start-ts-m-3rd': mac table sync start time stamp master for T-2 synchronization; 'arp-tbl-sync-start-ts-b-3rd': arp table sync start time stamp blade for T-2 synchronization; 'nd6-tbl-sync-start-ts-b-3rd': nd6 table sync start time stamp blade for T-2 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-3rd': ipv4-fib table sync start time stamp blade for T-2 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-3rd': ipv6-fib table sync start time stamp blade for T-2 synchronization; 'mac-tbl-sync-start-ts-b-3rd': mac table sync start time stamp blade for T-2 synchronization; 'arp-tbl-sync-entries-sent-m-3rd': arp table entries sent from master for T-2 synchronization; 'nd6-tbl-sync-entries-sent-m-3rd': nd6 table entries

sent from master for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-3rd': ipv4-fib table entries sent from master for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-3rd': ipv6-fib table entries sent from master for T-2 synchronization; 'mac-tbl-sync-entries-sent-m-3rd': mac table entries sent from master for T-2 synchronization; 'arp-tbl-sync-entries-rcvd-b-3rd': arp table entries received in blade for T-2 synchronization; 'nd6-tbl-sync-entries-rcvd-b-3rd': nd6 table entries received in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-3rd': ipv4-fib table entries received in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-3rd': ipv6-fib table entries received in blade for T-2 synchronization; 'mac-tbl-sync-entries-rcvd-b-3rd': mac table entries received in blade for T-2 synchronization; 'arp-tbl-sync-entries-added-b-3rd': arp table entries added in blade for T-2 synchronization; 'nd6-tbl-sync-entries-added-b-3rd': nd6 table entries added in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-3rd': ipv4-fib table entries added in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-3rd': ipv6-fib table entries added in blade for T-2 synchronization; 'mac-tbl-sync-entries-added-b-3rd': mac table entries added in blade for T-2 synchronization; 'arp-tbl-sync-entries-removed-b-3rd': arp table entries removed in blade for T-2 synchronization; 'nd6-tbl-sync-entries-removed-b-3rd': nd6 table entries removed in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-3rd': ipv4-fib table entries removed in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-3rd': ipv6-fib table entries removed in blade for T-2 synchronization; 'mac-tbl-sync-entries-removed-b-3rd': mac table entries removed in blade for T-2 synchronization; 'arp-tbl-sync-end-ts-m-3rd': arp table sync end time stamp master for T-2 synchronization; 'nd6-tbl-sync-end-ts-m-3rd': nd6 table sync end time stamp master for T-2 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-3rd': ipv4-fib table sync end time stamp master for T-2 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-3rd': ipv6-fib table sync end time stamp master for T-2 synchronization; 'mac-tbl-sync-end-ts-m-3rd': mac table sync end time stamp master for T-2 synchronization; 'arp-tbl-sync-end-ts-b-3rd': arp table sync end time stamp blade for T-2 synchronization; 'nd6-tbl-sync-end-ts-b-3rd': nd6 table sync end time stamp blade for T-2 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-3rd': ipv4-fib table sync end time stamp blade for T-2 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-3rd': ipv6-fib table sync end time stamp blade for T-2 synchronization; 'mac-tbl-sync-end-ts-b-3rd': mac table sync end time stamp blade for T-2 synchronization; 'arp-tbl-sync-start-ts-m-4th': arp table sync start time stamp master for T-3 synchronization; 'nd6-tbl-sync-start-ts-m-4th': nd6 table sync start time stamp master for T-3 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-4th': ipv4-fib table sync start time stamp master for T-3 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-4th': ipv6-fib table sync start time stamp master for T-3 synchronization; 'mac-tbl-sync-start-ts-m-4th': mac table sync start time stamp master for T-3 synchronization; 'arp-tbl-sync-start-ts-b-4th': arp table sync start time stamp blade for T-3 synchronization; 'nd6-tbl-sync-start-ts-b-4th': nd6 table sync start time stamp blade for T-3 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-4th': ipv4-fib table sync start time stamp blade for T-3 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-4th': ipv6-fib table sync start time stamp blade for T-3 synchronization; 'mac-tbl-sync-start-ts-b-4th': mac table sync start time stamp blade for T-3 synchronization; 'arp-tbl-sync-entries-sent-m-4th': arp table entries sent from master for T-3 synchronization; 'nd6-tbl-sync-entries-sent-m-4th': nd6 table entries sent from master for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-4th': ipv4-fib table entries sent from master for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-4th': ipv6-fib table entries sent from master for T-3 synchronization; 'mac-tbl-sync-entries-sent-m-4th': mac table entries sent from master for T-3 synchronization; 'arp-tbl-sync-entries-rcvd-b-4th': arp table entries received in blade for T-3 synchronization; 'nd6-tbl-sync-entries-rcvd-b-4th': nd6 table entries received in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-4th': ipv4-fib table entries received in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-4th': ipv6-fib table entries received in blade for T-3 synchronization; 'mac-tbl-sync-entries-rcvd-b-4th': mac table entries received in blade for T-3 synchronization; 'arp-tbl-sync-entries-added-b-4th': arp table entries added in blade for T-3 synchronization; 'nd6-tbl-sync-entries-added-b-4th': nd6 table entries added in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-4th': ipv4-fib table entries added in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-added-

b-4th': ipv6-fib table entries added in blade for T-3 synchronization; 'mac-tbl-sync-entries-added-b-4th': mac table entries added in blade for T-3 synchronization; 'arp-tbl-sync-entries-removed-b-4th': arp table entries removed in blade for T-3 synchronization; 'nd6-tbl-sync-entries-removed-b-4th': nd6 table entries removed in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-4th': ipv4-fib table entries removed in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-4th': ipv6-fib table entries removed in blade for T-3 synchronization; 'mac-tbl-sync-entries-removed-b-4th': mac table entries removed in blade for T-3 synchronization; 'arp-tbl-sync-end-ts-m-4th': arp table sync end time stamp master for T-3 synchronization; 'nd6-tbl-sync-end-ts-m-4th': nd6 table sync end time stamp master for T-3 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-4th': ipv4-fib table sync end time stamp master for T-3 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-4th': ipv6-fib table sync end time stamp master for T-3 synchronization; 'mac-tbl-sync-end-ts-m-4th': mac table sync end time stamp master for T-3 synchronization; 'arp-tbl-sync-end-ts-b-4th': arp table sync end time stamp blade for T-3 synchronization; 'nd6-tbl-sync-end-ts-b-4th': nd6 table sync end time stamp blade for T-3 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-4th': ipv4-fib table sync end time stamp blade for T-3 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-4th': ipv6-fib table sync end time stamp blade for T-3 synchronization; 'mac-tbl-sync-end-ts-b-4th': mac table sync end time stamp blade for T-3 synchronization; 'arp-tbl-sync-start-ts-m-5th': arp table sync start time stamp master for T-4 synchronization;

Type: string

Supported Values: ipv4-fib-tbl-sync-start-ts-m-3rd, ipv6-fib-tbl-sync-start-ts-m-3rd, mac-tbl-sync-start-ts-m-3rd, arp-tbl-sync-start-ts-b-3rd, nd6-tbl-sync-start-ts-b-3rd, ipv4-fib-tbl-sync-start-ts-b-3rd, ipv6-fib-tbl-sync-start-ts-b-3rd, mac-tbl-sync-start-ts-b-3rd, arp-tbl-sync-entries-sent-m-3rd, nd6-tbl-sync-entries-sent-m-3rd, ipv4-fib-tbl-sync-entries-sent-m-3rd, ipv6-fib-tbl-sync-entries-sent-m-3rd, mac-tbl-sync-entries-sent-m-3rd, arp-tbl-sync-entries-rcvd-b-3rd, nd6-tbl-sync-entries-rcvd-b-3rd, ipv4-fib-tbl-sync-entries-rcvd-b-3rd, ipv6-fib-tbl-sync-entries-rcvd-b-3rd, mac-tbl-sync-entries-rcvd-b-3rd, arp-tbl-sync-entries-added-b-3rd, nd6-tbl-sync-entries-added-b-3rd, ipv4-fib-tbl-sync-entries-added-b-3rd, ipv6-fib-tbl-sync-entries-added-b-3rd, mac-tbl-sync-entries-added-b-3rd, arp-tbl-sync-entries-removed-b-3rd, nd6-tbl-sync-entries-removed-b-3rd, ipv4-fib-tbl-sync-entries-removed-b-3rd, ipv6-fib-tbl-sync-entries-removed-b-3rd, mac-tbl-sync-entries-removed-b-3rd, arp-tbl-sync-end-ts-m-3rd, nd6-tbl-sync-end-ts-m-3rd, ipv4-fib-tbl-sync-end-ts-m-3rd, ipv6-fib-tbl-sync-end-ts-m-3rd, mac-tbl-sync-end-ts-m-3rd, arp-tbl-sync-end-ts-b-3rd, nd6-tbl-sync-end-ts-b-3rd, ipv4-fib-tbl-sync-end-ts-b-3rd, ipv6-fib-tbl-sync-end-ts-b-3rd, mac-tbl-sync-end-ts-b-3rd, arp-tbl-sync-start-ts-m-4th, nd6-tbl-sync-start-ts-m-4th, ipv4-fib-tbl-sync-start-ts-m-4th, ipv6-fib-tbl-sync-start-ts-m-4th, mac-tbl-sync-start-ts-m-4th, arp-tbl-sync-start-ts-b-4th, nd6-tbl-sync-start-ts-b-4th, ipv4-fib-tbl-sync-start-ts-b-4th, ipv6-fib-tbl-sync-start-ts-b-4th, mac-tbl-sync-start-ts-b-4th, arp-tbl-sync-entries-sent-m-4th, nd6-tbl-sync-entries-sent-m-4th, ipv4-fib-tbl-sync-entries-sent-m-4th, ipv6-fib-tbl-sync-entries-sent-m-4th, mac-tbl-sync-entries-sent-m-4th, arp-tbl-sync-entries-rcvd-b-4th, nd6-tbl-sync-entries-rcvd-b-4th, ipv4-fib-tbl-sync-entries-rcvd-b-4th, ipv6-fib-tbl-sync-entries-rcvd-b-4th, mac-tbl-sync-entries-rcvd-b-4th, arp-tbl-sync-entries-added-b-4th, nd6-tbl-sync-entries-added-b-4th, ipv4-fib-tbl-sync-entries-added-b-4th, ipv6-fib-tbl-sync-entries-added-b-4th, mac-tbl-sync-entries-added-b-4th, arp-tbl-sync-entries-removed-b-4th, nd6-tbl-sync-entries-removed-b-4th, ipv4-fib-tbl-sync-entries-removed-b-4th, ipv6-fib-tbl-sync-entries-removed-b-4th, mac-tbl-sync-entries-removed-b-4th, arp-tbl-sync-end-ts-m-4th, nd6-tbl-sync-end-ts-m-4th, ipv4-fib-tbl-sync-end-ts-m-4th, ipv6-fib-tbl-sync-end-ts-m-4th, mac-tbl-sync-end-ts-m-4th, arp-tbl-sync-end-ts-b-4th, nd6-tbl-sync-end-ts-b-4th, ipv4-fib-tbl-sync-end-ts-b-4th, ipv6-fib-tbl-sync-end-ts-b-4th, mac-tbl-sync-end-ts-b-4th, arp-tbl-sync-start-ts-m-5th

counters3

Description 'nd6-tbl-sync-start-ts-m-5th': nd6 table sync start time stamp master for T-4 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-5th': ipv4-fib table sync start time stamp master for

T-4 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-5th': ipv6-fib table sync start time stamp master for T-4 synchronization; 'mac-tbl-sync-start-ts-m-5th': mac table sync start time stamp master for T-4 synchronization; 'arp-tbl-sync-start-ts-b-5th': arp table sync start time stamp blade for T-4 synchronization; 'nd6-tbl-sync-start-ts-b-5th': nd6 table sync start time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-5th': ipv4-fib table sync start time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-5th': ipv6-fib table sync start time stamp blade for T-4 synchronization; 'mac-tbl-sync-start-ts-b-5th': mac table sync start time stamp blade for T-4 synchronization; 'arp-tbl-sync-entries-sent-m-5th': arp table sync start time stamp blade for T-4 synchronization; 'nd6-tbl-sync-entries-sent-m-5th': nd6 table sync start time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-5th': ipv4-fib table sync start time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-5th': ipv6-fib table sync start time stamp blade for T-4 synchronization; 'mac-tbl-sync-entries-sent-m-5th': mac table sync start time stamp blade for T-4 synchronization; 'arp-tbl-sync-entries-rcvd-b-5th': arp table entries received in blade for T-4 synchronization; 'nd6-tbl-sync-entries-rcvd-b-5th': nd6 table entries received in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-5th': ipv4-fib table entries received in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-5th': ipv6-fib table entries received in blade for T-4 synchronization; 'mac-tbl-sync-entries-rcvd-b-5th': mac table entries received in blade for T-4 synchronization; 'arp-tbl-sync-entries-added-b-5th': arp table entries added in blade for T-4 synchronization; 'nd6-tbl-sync-entries-added-b-5th': nd6 table entries added in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-5th': ipv4-fib table entries added in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-5th': ipv6-fib table entries added in blade for T-4 synchronization; 'mac-tbl-sync-entries-added-b-5th': mac table entries added in blade for T-4 synchronization; 'arp-tbl-sync-entries-removed-b-5th': arp table entries removed in blade for T-4 synchronization; 'nd6-tbl-sync-entries-removed-b-5th': nd6 table entries removed in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-5th': ipv4-fib table entries removed in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-5th': ipv6-fib table entries removed in blade for T-4 synchronization; 'mac-tbl-sync-entries-removed-b-5th': mac table entries removed in blade for T-4 synchronization; 'arp-tbl-sync-end-ts-m-5th': arp table sync end time stamp master for T-4 synchronization; 'nd6-tbl-sync-end-ts-m-5th': nd6 table sync end time stamp master for T-4 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-5th': ipv4-fib table sync end time stamp master for T-4 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-5th': ipv6-fib table sync end time stamp master for T-4 synchronization; 'mac-tbl-sync-end-ts-m-5th': mac table sync end time stamp master for T-4 synchronization; 'arp-tbl-sync-end-ts-b-5th': arp table sync end time stamp blade for T-4 synchronization; 'nd6-tbl-sync-end-ts-b-5th': nd6 table sync end time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-5th': ipv4-fib table sync end time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-5th': ipv6-fib table sync end time stamp blade for T-4 synchronization; 'mac-tbl-sync-end-ts-b-5th': mac table sync end time stamp blade for T-4 synchronization; 'arp-tbl-sync-m': arp table sync count in master; 'nd6-tbl-sync-m': nd6 table sync count in master; 'ipv4-fib-tbl-sync-m': ipv4-fib table sync count in master; 'ipv6-fib-tbl-sync-m': ipv6-fib table sync count in master; 'mac-tbl-sync-m': mac table sync count in master; 'arp-tbl-sync-b': arp table sync count in blade; 'nd6-tbl-sync-b': nd6 table sync count in blade; 'ipv4-fib-tbl-sync-b': ipv4-fib table sync count in blade; 'ipv6-fib-tbl-sync-b': ipv6-fib table sync count in blade; 'mac-tbl-sync-b': mac table sync count in blade; 'arp-tbl-cksum-m': arp table checksum count in master; 'nd6-tbl-cksum-m': nd6 table checksum count in master; 'ipv4-fib-tbl-cksum-m': ipv4-fib table checksum count in master; 'ipv6-fib-tbl-cksum-m': ipv6-fib table checksum count in master; 'mac-tbl-cksum-m': mac table checksum count in master; 'arp-tbl-cksum-b': arp table checksum count in blade; 'nd6-tbl-cksum-b': nd6 table checksum count in blade; 'ipv4-fib-tbl-cksum-b': ipv4-fib table checksum count in blade; 'ipv6-fib-tbl-cksum-b': ipv6-fib table checksum count in blade; 'mac-tbl-cksum-b': mac table checksum count in blade; 'arp-tbl-cksum-mismatch-b': arp table checksum mismatch count in blade; 'nd6-tbl-cksum-mismatch-b': nd6 table checksum mismatch count in blade; 'ipv4-fib-tbl-cksum-mismatch-b': ipv4-fib table checksum mismatch count in blade;

'ipv6-fib-tbl-cksum-mismatch-b': ipv6-fib table checksum mismatch count in blade; 'mac-tbl-cksum-mismatch-b': mac table checksum mismatch count in blade; 'arp-tbl-cksum-cancel-m': arp table checksum cancelled count in master; 'nd6-tbl-cksum-cancel-m': nd6 table checksum cancelled count in master; 'ipv4-fib-tbl-cksum-cancel-m': ipv4-fib table checksum cancelled count in master; 'ipv6-fib-tbl-cksum-cancel-m': ipv6-fib table checksum cancelled count in master; 'mac-tbl-cksum-cancel-m': mac table checksum cancelled count in master;

Type: string

Supported Values: nd6-tbl-sync-start-ts-m-5th, ipv4-fib-tbl-sync-start-ts-m-5th, ipv6-fib-tbl-sync-start-ts-m-5th, mac-tbl-sync-start-ts-m-5th, arp-tbl-sync-start-ts-b-5th, nd6-tbl-sync-start-ts-b-5th, ipv4-fib-tbl-sync-start-ts-b-5th, ipv6-fib-tbl-sync-start-ts-b-5th, mac-tbl-sync-start-ts-b-5th, arp-tbl-sync-entries-sent-m-5th, nd6-tbl-sync-entries-sent-m-5th, ipv4-fib-tbl-sync-entries-sent-m-5th, ipv6-fib-tbl-sync-entries-sent-m-5th, mac-tbl-sync-entries-sent-m-5th, arp-tbl-sync-entries-rcvd-b-5th, nd6-tbl-sync-entries-rcvd-b-5th, ipv4-fib-tbl-sync-entries-rcvd-b-5th, ipv6-fib-tbl-sync-entries-rcvd-b-5th, mac-tbl-sync-entries-rcvd-b-5th, arp-tbl-sync-entries-added-b-5th, nd6-tbl-sync-entries-added-b-5th, ipv4-fib-tbl-sync-entries-added-b-5th, ipv6-fib-tbl-sync-entries-added-b-5th, mac-tbl-sync-entries-added-b-5th, arp-tbl-sync-entries-removed-b-5th, nd6-tbl-sync-entries-removed-b-5th, ipv4-fib-tbl-sync-entries-removed-b-5th, ipv6-fib-tbl-sync-entries-removed-b-5th, mac-tbl-sync-entries-removed-b-5th, arp-tbl-sync-end-ts-m-5th, nd6-tbl-sync-end-ts-m-5th, ipv4-fib-tbl-sync-end-ts-m-5th, ipv6-fib-tbl-sync-end-ts-m-5th, mac-tbl-sync-end-ts-m-5th, arp-tbl-sync-end-ts-b-5th, nd6-tbl-sync-end-ts-b-5th, ipv4-fib-tbl-sync-end-ts-b-5th, ipv6-fib-tbl-sync-end-ts-b-5th, mac-tbl-sync-end-ts-b-5th, arp-tbl-sync-m, nd6-tbl-sync-m, ipv4-fib-tbl-sync-m, ipv6-fib-tbl-sync-m, mac-tbl-sync-m, arp-tbl-sync-b, nd6-tbl-sync-b, ipv4-fib-tbl-sync-b, ipv6-fib-tbl-sync-b, mac-tbl-sync-b, arp-tbl-cksum-m, nd6-tbl-cksum-m, ipv4-fib-tbl-cksum-m, ipv6-fib-tbl-cksum-m, mac-tbl-cksum-m, arp-tbl-cksum-b, nd6-tbl-cksum-b, ipv4-fib-tbl-cksum-b, ipv6-fib-tbl-cksum-b, mac-tbl-cksum-b, arp-tbl-cksum-mismatch-b, nd6-tbl-cksum-mismatch-b, ipv4-fib-tbl-cksum-mismatch-b, ipv6-fib-tbl-cksum-mismatch-b, mac-tbl-cksum-mismatch-b, arp-tbl-cksum-cancel-m, nd6-tbl-cksum-cancel-m, ipv4-fib-tbl-cksum-cancel-m, ipv6-fib-tbl-cksum-cancel-m, mac-tbl-cksum-cancel-m

platformtype

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.2 system all-vlan-limit

all vlan flooding packet limit

all-vlan-limit Specification

Type	*Configuration Resource*
Element Name	all-vlan-limit
Element URI	/axapi/v3/system/all-vlan-limit
Element Attributes	all-vlan-limit_attributes
Schema	`all-vlan-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

```
POST /axapi/v3/system/all-vlan-limit
Payload:
{
    "all-vlan-limit": {
        "bcast": 1
    }
}
```

Get Object

GET

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

```
GET /axapi/v3/system/all-vlan-limit
Reponse:
{
    "all-vlan-limit": {
        "bcast": 1,
        "ipmcast": 5000,
        "mcast": 5000,
        "unknown-ucast": 5000,
        "uuid": "dc64f0e4-bfa6-11e5-a413-df8bf195119b",
        "a10-url": "/axapi/v3/system/all-vlan-limit"
    }
}
```

Modify Object

POST

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

Replace Object

PUT

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

```
PUT /axapi/v3/system/all-vlan-limit
Payload:
{
    "all-vlan-limit": {
        "bcast": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

```
DELETE /axapi/v3/system/all-vlan-limit
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

all-vlan-limit attributes

bcast

Description broadcast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

ipmcast

Description IP multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

mcast

Description multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

unknown-ucast

Description unknown unicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.3 system app-performance

Application perfomance stats

app-performance Specification

Type	*Configuration Resource*
Element Name	app-performance
Element URI	/axapi/v3/system/app-performance
Element Attributes	app-performance_attributes
Statistics Data URI	/axapi/v3/system/app-performance/stats
Schema	`app-performance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/app-performance

app-performance attributes

Get Object

GET

/axapi/v3/system/app-performance

app-performance attributes

Modify Object

POST

/axapi/v3/system/app-performance

app-performance attributes

Replace Object

PUT

/axapi/v3/system/app-performance

app-performance attributes

Delete Object

DELETE

/axapi/v3/system/app-performance

app-performance attributes

app-performance attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-throughput-bits-per-sec': Total Throughput in bits/sec; 'l4-conns-per-sec': L4 Connections/sec; 'l7-conns-per-sec': L7 Connections/sec; 'l7-trans-per-sec': L7 Transactions/sec; 'ssl-conns-per-sec': SSL Connections/sec; 'ip-nat-conns-per-sec': IP NAT Connections/sec; 'total-new-conns-per-sec': Total New Connections Established/sec; 'total-curr-conns': Total Current Established Connections; 'l4-bandwidth': L4 Bandwidth in bits/sec; 'l7-bandwidth': L7 Bandwidth in bits/sec; 'serv-ssl-conns-per-sec': Server SSL Connections/sec; 'fw-conns-per-sec': FW Connections/sec; 'gifw-conns-per-sec': GiFW Connections/sec;

Type: string

Supported Values: all, total-throughput-bits-per-sec, l4-conns-per-sec, l7-conns-per-sec, l7-trans-per-sec, ssl-conns-per-sec, ip-nat-conns-per-sec, total-new-conns-per-sec, total-curr-conns, l4-bandwidth, l7-bandwidth, serv-ssl-conns-per-sec, fw-conns-per-sec, gifw-conns-per-sec

stats data

	Counter	Size	Description
	l4-bandwidth	8	L4 Bandwidth in bits/sec
	ssl-conns-per-sec	8	SSL Connections/sec
	total-curr-conns	8	Total Current Established Connections
	gifw-conns-per-sec	8	GiFW Connections/sec
	l7-conns-per-sec	8	L7 Connections/sec
	l7-trans-per-sec	8	L7 Transactions/sec
	serv-ssl-conns-per-sec	8	Server SSL Connections/sec
	l7-bandwidth	8	L7 Bandwidth in bits/sec
	total-new-conns-per-sec	8	Total New Connections Established/sec
	total-throughput-bits-per-sec	8	Total Throughput in bits/sec
	l4-conns-per-sec	8	L4 Connections/sec
	ip-nat-conns-per-sec	8	IP NAT Connections/sec
	fw-conns-per-sec	8	FW Connections/sec

2.99.4 system apps-global

Global application generic configuration

apps-global Specification

Type	*Configuration Resource*
Element Name	apps-global
Element URI	/axapi/v3/system/apps-global
Element Attributes	apps-global_attributes
Schema	`apps-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/apps-global

apps-global attributes

Get Object

GET

/axapi/v3/system/apps-global

apps-global attributes

Modify Object

POST

/axapi/v3/system/apps-global

apps-global attributes

Replace Object

PUT

/axapi/v3/system/apps-global

apps-global attributes

Delete Object

DELETE

/axapi/v3/system/apps-global

apps-global attributes

apps-global attributes

log-session-on-established

Description Send TCP session creation log on completion of 3-way handshake

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msl-time

Description Configure maximum session life, default is 2 seconds (1-40 seconds, default is 2 seconds)

Type: number

Range: 1-40

Default: 2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.5 system bandwidth

System bandwidth information

bandwidth Specification

Type	*Configuration Resource*
Element Name	bandwidth
Element URI	/axapi/v3/system/bandwidth
Element Attributes	bandwidth_attributes
Statistics Data URI	/axapi/v3/system/bandwidth/stats
Schema	`bandwidth schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/bandwidth

bandwidth attributes

Get Object

GET

/axapi/v3/system/bandwidth

bandwidth attributes

Modify Object

POST

/axapi/v3/system/bandwidth

bandwidth attributes

Replace Object

PUT

/axapi/v3/system/bandwidth

bandwidth attributes

Delete Object

DELETE

/axapi/v3/system/bandwidth

bandwidth attributes

bandwidth attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'input-bytes-per-sec': In Bytes per second; 'output-bytes-per-sec': Out Bytes per second;

Type: string

Supported Values: all, input-bytes-per-sec, output-bytes-per-sec

stats data

	Counter	Size	Description
	input-bytes-per-sec	8	In Bytes per second
	output-bytes-per-sec	8	Out Bytes per second

2.99.6 system bfd

BFD Statistics

bfd Specification

Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/system/bfd
Element Attributes	bfd_attributes
Statistics Data URI	/axapi/v3/system/bfd/stats
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/bfd

bfd attributes

```
POST /axapi/v3/system/bfd
Payload:
{
    "bfd": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/bfd

bfd attributes

```
GET /axapi/v3/system/bfd
Reponse:
{
    "bfd": {
        "uuid": "dc64f396-bfa6-11e5-a413-df8bf195119b",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/system/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/system/bfd

bfd attributes

```
PUT /axapi/v3/system/bfd
Payload:
{
    "bfd": {
        "sampling-enable": [
            {
                "counters1": "ip_checksum_error"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/bfd

bfd attributes

```
DELETE /axapi/v3/system/bfd
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bfd attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ip_checksum_error': IP packet checksum errors; 'udp_checksum_error': UDP packet checksum errors; 'session_not_found': Session not found; 'multihop_mismatch': Multihop session or packet mismatch; 'version_mismatch': BFD version mismatch; 'length_too_small': Packets too small; 'data_is_short': Packet data length too short; 'invalid_detect_mult': Invalid detect multiplier; 'invalid_multipoint': Invalid multipoint setting; 'invalid_my_disc': Invalid my descriptor; 'invalid_ttl': Invalid TTL; 'auth_length_invalid': Invalid authentication length; 'auth_mismatch': Authentication mismatch; 'auth_type_mismatch': Authentication type mismatch; 'auth_key_id_mismatch': Authentication key-id mismatch; 'auth_key_mismatch': Authentication key mismatch; 'auth_seqnum_invalid': Invalid authentication sequence number; 'auth_failed': Authentication failures; 'local_state_admin_down': Local admin down session state; 'dest_unreachable': Destination unreachable; 'other_error': Other errors;

Type: string

Supported Values: all, ip_checksum_error, udp_checksum_error, session_not_found, multihop_mismatch, version_mismatch, length_too_small, data_is_short, invalid_detect_mult, invalid_multipoint, invalid_my_disc, invalid_ttl, auth_length_invalid, auth_mismatch, auth_type_mismatch, auth_key_id_mismatch, auth_key_mismatch, auth_seqnum_invalid, auth_failed, local_state_admin_down, dest_unreachable, no_ipv6_enable, other_error

stats data

	Counter	Size	Description
	no_ipv6_enable	2	No IPv6 enable
	auth_length_invalid	2	Invalid authentication length
	auth_key_mismatch	2	Authentication key mismatch
	length_too_small	2	Packets too small
	auth_mismatch	2	Authentication mismatch
	invalid_ttl	2	Invalid TTL
	auth_key_id_mismatch	2	Authentication key-id mismatch
	dest_unreachable	2	Destination unreachable
	udp_checksum_error	2	UDP packet checksum errors
	other_error	2	Other errors
	invalid_my_disc	2	Invalid my descriptor
	auth_failed	2	Authentication failures
	invalid_detect_mult	2	Invalid detect multiplier
	invalid_multipoint	2	Invalid multipoint setting
	session_not_found	2	Session not found
	local_state_admin_down	2	Local admin down session state
	ip_checksum_error	2	IP packet checksum errors
	version_mismatch	2	BFD version mismatch
	multihop_mismatch	2	Multihop session or packet mismatch
	auth_type_mismatch	2	Authentication type mismatch
	data_is_short	2	Packet data length too short
	auth_seqnum_invalid	2	Invalid authentication sequence number

2.99.7 system control-cpu

System control cpu information

control-cpu Specification

Type	*Configuration Resource*
Element Name	control-cpu
Element URI	/axapi/v3/system/control-cpu
Element Attributes	control-cpu_attributes
Statistics Data URI	/axapi/v3/system/control-cpu/stats
Schema	`control-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/control-cpu

control-cpu attributes

Get Object

GET

/axapi/v3/system/control-cpu

control-cpu attributes

Modify Object

POST

/axapi/v3/system/control-cpu

control-cpu attributes

Replace Object

PUT

/axapi/v3/system/control-cpu

control-cpu attributes

Delete Object

DELETE

/axapi/v3/system/control-cpu

control-cpu attributes

control-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	cpu-63	8	Control CPU-63
	cpu-55	8	Control CPU-55
	cpu-23	8	Control CPU-23
	cpu-22	8	Control CPU-22
	cpu-21	8	Control CPU-21
	cpu-20	8	Control CPU-20

continues on next page

Table 2.60 – continued from previous page

	Counter	Size	Description
	cpu-27	8	Control CPU-27
	cpu-26	8	Control CPU-26
	cpu-25	8	Control CPU-25
	cpu-24	8	Control CPU-24
	cpu-29	8	Control CPU-29
	cpu-28	8	Control CPU-28
	cpu-45	8	Control CPU-45
	cpu-44	8	Control CPU-44
	cpu-47	8	Control CPU-47
	cpu-46	8	Control CPU-46
	cpu-41	8	Control CPU-41
	cpu-40	8	Control CPU-40
	cpu-43	8	Control CPU-43
	cpu-42	8	Control CPU-42
	cpu-62	8	Control CPU-62
	cpu-64	8	Control CPU-64
	cpu-49	8	Control CPU-49
	cpu-48	8	Control CPU-48
	cpu-61	8	Control CPU-61
	cpu-60	8	Control CPU-60
	cpu-54	8	Control CPU-54
	cpu-34	8	Control CPU-34
	cpu-35	8	Control CPU-35
	cpu-36	8	Control CPU-36
	cpu-37	8	Control CPU-37
	cpu-30	8	Control CPU-30
	cpu-31	8	Control CPU-31
	cpu-32	8	Control CPU-32
	cpu-33	8	Control CPU-33
	cpu-58	8	Control CPU-58
	cpu-38	8	Control CPU-38
	cpu-39	8	Control CPU-39
	cpu-56	8	Control CPU-56
	cpu-57	8	Control CPU-57
	cpu-18	8	Control CPU-18
	cpu-19	8	Control CPU-19
	cpu-52	8	Control CPU-52
	cpu-53	8	Control CPU-53
	cpu-50	8	Control CPU-50
	cpu-51	8	Control CPU-51
	cpu-12	8	Control CPU-12
	cpu-13	8	Control CPU-13
	cpu-10	8	Control CPU-10
	cpu-11	8	Control CPU-11
	cpu-16	8	Control CPU-16
	cpu-17	8	Control CPU-17
	cpu-14	8	Control CPU-14
	cpu-15	8	Control CPU-15

continues on next page

Table 2.60 – continued from previous page

	Counter	Size	Description
	cpu-1	8	Control CPU-1
	cpu-2	8	Control CPU-2
	cpu-3	8	Control CPU-3
	cpu-4	8	Control CPU-4
	cpu-5	8	Control CPU-5
	cpu-6	8	Control CPU-6
	cpu-7	8	Control CPU-7
	cpu-8	8	Control CPU-8
	cpu-9	8	Control CPU-9
	ctrl-cpu-number	8	Number of ctrl cpus
	cpu-59	8	Control CPU-59

2.99.8 system counter-lib-accounting

System Counter library accounting

counter-lib-accounting Specification

Type	*Configuration Resource*
Element Name	counter-lib-accounting
Element URI	/axapi/v3/system/counter-lib-accounting
Element Attributes	counter-lib-accounting_attributes
Statistics Data URI	/axapi/v3/system/counter-lib-accounting/stats
Schema	`counter-lib-accounting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

Get Object

GET

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

Modify Object

POST

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

Replace Object

PUT

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

Delete Object

DELETE

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

counter-lib-accounting attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	total-memblocks-free-avro	8	Total memory blocks freed by avro lib
	total-memblocks-alloc-avro	8	Total memory blocks allocated by avro lib
	total-blocks-in-rml-hash	8	Total blocks in rml in hash table
	total-ctr-in-rml	8	Total counters put in rml queue
	total-oper-alloc	8	Total oper blocks allocated
	total-nodes-free	8	Total nodes freed(sflow/history/telemetry/cpu-compute)
	total-ctr-alloc	8	Total counters allocated
	total-blocks-in-hash	8	Total blocks in hash table
	total-nodes-unlink-failed	8	Total nodes unlink failed
	total-memblocks-realloc-avro	8	Total memory blocks realloc by avro lib
	total-nodes-in-system	8	Total nodes currently allocated in system
	total-nodes-free-failed	8	Total nodes free failed
	total-nodes-alloc	8	Total nodes allocated(sflow/history/telemetry/cpu-compute)
	total-oper-free	8	Total oper blocks freed
	total-nodes-in-rml	8	Total nodes put in rml queue
	total-ctr-in-system	8	Total counters currently allocated in system
	total-ctr-freed	8	Total counters actually freed

2.99.9 system cpu-load-sharing

Redistribute packets uniformly to all CPUs during overload situations

cpu-load-sharing Specification

Type	*Configuration Resource*
Element Name	cpu-load-sharing
Element URI	/axapi/v3/system/cpu-load-sharing
Element Attributes	cpu-load-sharing_attributes
Schema	`cpu-load-sharing schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

```
POST /axapi/v3/system/cpu-load-sharing
Payload:
{
    "cpu-load-sharing": {
        "disable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

```
GET /axapi/v3/system/cpu-load-sharing
Reponse:
{
    "cpu-load-sharing": {
        "disable": 1,
        "packets-per-second": {
            "min": 100000
        },
        "cpu-usage": {
            "low": 60,
            "high": 75
        },
        "uuid": "dc64f062-bfa6-11e5-a413-df8bf195119b",
        "a10-url": "/axapi/v3/system/cpu-load-sharing"
    }
}
```

Modify Object

POST

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

Replace Object

PUT

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

```
PUT /axapi/v3/system/cpu-load-sharing
Payload:
{
    "cpu-load-sharing": {
        "disable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

```
DELETE /axapi/v3/system/cpu-load-sharing
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

cpu-load-sharing attributes

cpu-usage

Description: cpu-usage is a **JSON Block**. Please see below for *cpu-usage*

Type: Object

disable

Description Disable CPU load sharing in overload situations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *packets-per-second*

Type: Object

tcp

Description Disallow redistribution of new TCP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description Disallow redistribution of new UDP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu-usage

Specification	
Type	*object*

high

Description CPU usage threshold (percentage) that will trigger the redistribution (default: 75)

Type: number

Range: 0-100

Default: 75

low

Description CPU usage threshold (percentage) that will restore the normal packet distribution (default: 60)

Type: number

Range: 0-100

Default: 60

packets-per-second

Specification	
Type	*object*

min

Description Minimum packets-per-second threshold (per CPU) before redistribution will take effect (Minimum packets-per-second threshold (per CPU) before redistribution will take effect (default: 100000))

Type: number

Range: 0-30000000

Default: 100000

2.99.10 system data-cpu

System data cpu information

data-cpu Specification

Type	*Configuration Resource*
Element Name	data-cpu
Element URI	/axapi/v3/system/data-cpu
Element Attributes	data-cpu_attributes
Statistics Data URI	/axapi/v3/system/data-cpu/stats
Schema	`data-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/data-cpu

data-cpu attributes

Get Object

GET

/axapi/v3/system/data-cpu

data-cpu attributes

Modify Object

POST

/axapi/v3/system/data-cpu

data-cpu attributes

Replace Object

PUT

/axapi/v3/system/data-cpu

data-cpu attributes

Delete Object

DELETE

/axapi/v3/system/data-cpu

data-cpu attributes

data-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	cpu-45	8	Data CPU-45
	cpu-44	8	Data CPU-44
	cpu-47	8	Data CPU-47
	cpu-46	8	Data CPU-46
	cpu-41	8	Data CPU-41
	cpu-40	8	Data CPU-40
	cpu-43	8	Data CPU-43
	cpu-42	8	Data CPU-42
	cpu-49	8	Data CPU-49
	cpu-48	8	Data CPU-48
	data-cpu-number	8	Number of data cpus
	cpu-70	8	Data CPU-70
	cpu-71	8	Data CPU-71
	cpu-72	8	Data CPU-72
	cpu-73	8	Data CPU-73
	cpu-74	8	Data CPU-74
	cpu-75	8	Data CPU-75
	cpu-76	8	Data CPU-76
	cpu-77	8	Data CPU-77
	cpu-78	8	Data CPU-78
	cpu-79	8	Data CPU-79
	cpu-69	8	Data CPU-69
	cpu-68	8	Data CPU-68
	cpu-67	8	Data CPU-67

continues on next page

Table 2.61 – continued from previous page

	Counter	Size	Description
	cpu-66	8	Data CPU-66
	cpu-65	8	Data CPU-65
	cpu-64	8	Data CPU-64
	cpu-63	8	Data CPU-63
	cpu-62	8	Data CPU-62
	cpu-61	8	Data CPU-61
	cpu-60	8	Data CPU-60
	cpu-92	8	Data CPU-92
	cpu-93	8	Data CPU-93
	cpu-90	8	Data CPU-90
	cpu-91	8	Data CPU-91
	cpu-96	8	Data CPU-96
	cpu-97	8	Data CPU-97
	cpu-94	8	Data CPU-94
	cpu-95	8	Data CPU-95
	cpu-98	8	Data CPU-98
	cpu-99	8	Data CPU-99
	cpu-18	8	Data CPU-18
	cpu-19	8	Data CPU-19
	cpu-12	8	Data CPU-12
	cpu-13	8	Data CPU-13
	cpu-10	8	Data CPU-10
	cpu-11	8	Data CPU-11
	cpu-16	8	Data CPU-16
	cpu-17	8	Data CPU-17
	cpu-14	8	Data CPU-14
	cpu-15	8	Data CPU-15
	cpu-81	8	Data CPU-81
	cpu-80	8	Data CPU-80
	cpu-83	8	Data CPU-83
	cpu-82	8	Data CPU-82
	cpu-85	8	Data CPU-85
	cpu-84	8	Data CPU-84
	cpu-87	8	Data CPU-87
	cpu-86	8	Data CPU-86
	cpu-89	8	Data CPU-89
	cpu-88	8	Data CPU-88
	cpu-34	8	Data CPU-34
	cpu-35	8	Data CPU-35
	cpu-36	8	Data CPU-36
	cpu-37	8	Data CPU-37
	cpu-30	8	Data CPU-30
	cpu-31	8	Data CPU-31
	cpu-32	8	Data CPU-32
	cpu-33	8	Data CPU-33
	cpu-38	8	Data CPU-38
	cpu-39	8	Data CPU-39
	cpu-23	8	Data CPU-23

continues on next page

Table 2.61 – continued from previous page

	Counter	Size	Description
	cpu-22	8	Data CPU-22
	cpu-21	8	Data CPU-21
	cpu-20	8	Data CPU-20
	cpu-27	8	Data CPU-27
	cpu-26	8	Data CPU-26
	cpu-25	8	Data CPU-25
	cpu-24	8	Data CPU-24
	cpu-29	8	Data CPU-29
	cpu-28	8	Data CPU-28
	cpu-100	8	Data CPU-100
	cpu-56	8	Data CPU-56
	cpu-57	8	Data CPU-57
	cpu-54	8	Data CPU-54
	cpu-55	8	Data CPU-55
	cpu-52	8	Data CPU-52
	cpu-53	8	Data CPU-53
	cpu-50	8	Data CPU-50
	cpu-51	8	Data CPU-51
	cpu-58	8	Data CPU-58
	cpu-59	8	Data CPU-59
	cpu-1	8	Data CPU-1
	cpu-2	8	Data CPU-2
	cpu-3	8	Data CPU-3
	cpu-4	8	Data CPU-4
	cpu-5	8	Data CPU-5
	cpu-6	8	Data CPU-6
	cpu-7	8	Data CPU-7
	cpu-8	8	Data CPU-8
	cpu-9	8	Data CPU-9

2.99.11 system dns

DNS Packet Statistics

dns Specification

Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/system/dns
Element Attributes	dns_attributes
Statistics Data URI	/axapi/v3/system/dns/stats
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dns

dns attributes

Get Object

GET

/axapi/v3/system/dns

dns attributes

Modify Object

POST

/axapi/v3/system/dns

dns attributes

Replace Object

PUT

/axapi/v3/system/dns

dns attributes

Delete Object

DELETE

/axapi/v3/system/dns

dns attributes

dns attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slb_req': No. of requests; 'slb_resp': No. of responses; 'slb_no_resp': No. of resource failures; 'slb_req_rexmit': No. of request retransmits; 'slb_resp_no_match': No. of requests with no response; 'slb_no_resource': No. of resource failures; 'nat_req': (NAT) No. of requests; 'nat_resp': (NAT) No. of responses; 'nat_no_resp': (NAT) No. of resource failures; 'nat_req_rexmit': (NAT) No. of request retransmits; 'nat_resp_no_match': (NAT) No. of requests with no response; 'nat_no_resource': (NAT) No. of resource failures; 'nat_xid_reused': (NAT) No. of requests reusing a transaction id;

Type: string

Supported Values: all, slb_req, slb_resp, slb_no_resp, slb_req_rexmit, slb_resp_no_match, slb_no_resource, nat_req, nat_resp, nat_no_resp, nat_req_rexmit, nat_resp_no_match, nat_no_resource, nat_xid_reused, filter_type_drop, filter_class_drop, filter_type_any_drop, slb_dns_client_ssl_succ, slb_dns_server_ssl_succ, slb_dns_udp_conn, slb_dns_udp_conn_succ, slb_dns_padding_to_server_removed, slb_dns_padding_to_client_added, slb_dns_edns_subnet_to_server_removed, slb_dns_udp_retransmit, slb_dns_udp_retransmit_fail, rpz_action_drop, rpz_action_pass_thru, rpz_action_tcp_only, rpz_action_nxdomain, rpz_action_nodata, rpz_action_local_data, slb_drop, nat_slb_drop, invalid_q_len_to_udp

stats data

	Counter	Size	Description
	nat_slb_drop	2	(NAT)DNS requests drop
	slb_dns_server_ssl_succ	2	No. of server ssl success
	nat_resp	2	(NAT) No. of responses
	slb_resp_no_match	2	No. of requests with no response
	slb_drop	2	DNS requests drop
	slb_dns_udp_retransmit	2	slb_dns_udp_retransmit
	invalid_q_len_to_udp	2	invalid query length to conver to UDP
	slb_dns_udp_conn	2	No. of backend udp connections
	nat_req	2	(NAT) No. of requests
	slb_dns_padding_to_server_removed	2	slb_dns_padding_to_server_removed
	rpz_action_drop	2	RPZ Action Drop
	slb_no_resource	2	No. of resource failures
	rpz_action_pass_thru	2	RPZ Action Pass Through
	slb_req	2	No. of requests
	rpz_action_tcp_only	2	RPZ Action TCP Only
	filter_type_drop	2	Total Query Type Drop
	slb_req_rexmit	2	No. of request retransmits
	nat_req_rexmit	2	(NAT) No. of request retransmits
	rpz_action_nodata	2	RPZ Action NODATA
	slb_dns_padding_to_client_added	2	slb_dns_padding_to_client_added
	slb_dns_udp_retransmit_fail	2	slb_dns_udp_retransmit_fail
	slb_no_resp	2	No. of resource failures
	nat_no_resource	2	(NAT) No. of resource failures
	nat_no_resp	2	(NAT) No. of resource failures
	slb_dns_udp_conn_succ	2	No. of backend udp conn established
	slb_dns_edns_subnet_to_server_removed	2	slb_dns_edns_subnet_to_server_removed

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Table 2.62 – continued from previous page

	Counter	Size	Description
	nat_xid_reused	2	(NAT) No. of requests reusing a transaction id
	rpz_action_local_data	2	RPZ Action Local Data
	rpz_action_nxdomain	2	RPZ Action NXDOMAIN
	slb_dns_client_ssl_succ	2	No. of client ssl success
	nat_resp_no_match	2	(NAT) No. of requests with no response
	filter_type_any_drop	2	Total Query ANY Type Drop
	filter_class_drop	2	Total Query Class Drop
	slb_resp	2	No. of responses

2.99.12 system dns-cache

DNS Cache Statistics

dns-cache Specification

Type	*Configuration Resource*
Element Name	dns-cache
Element URI	/axapi/v3/system/dns-cache
Element Attributes	dns-cache_attributes
Statistics Data URI	/axapi/v3/system/dns-cache/stats
Operational Data URI	/axapi/v3/system/dns-cache/oper
Schema	`dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dns-cache

dns-cache attributes

Get Object

GET

/axapi/v3/system/dns-cache

dns-cache attributes

Modify Object

POST

/axapi/v3/system/dns-cache

dns-cache attributes

Replace Object

PUT

/axapi/v3/system/dns-cache

dns-cache attributes

Delete Object

DELETE

/axapi/v3/system/dns-cache

dns-cache attributes

dns-cache attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_q': Total query; 'total_r': Total server response; 'hit': Total cache hit; 'bad_q': Query not passed; 'encode_q': Query encoded; 'multiple_q': Query with multiple questions; 'oversize_q': Query exceed cache size; 'bad_r': Response not passed; 'oversize_r': Response exceed cache size; 'encode_r': Response encoded; 'multiple_r': Response with multiple questions; 'answer_r': Response with multiple answers; 'ttl_r': Response with short TTL; 'ageout': Total aged out; 'bad_answer': Bad Answer; 'ageout_weight': Total aged for lower weight; 'total_log': Total stats log sent; 'total_alloc': Total allocated; 'total_freed': Total freed; 'current_allocate': Current allocate; 'current_data_allocate': Current data allocate;

Type: string

Supported Values: all, total_q, total_r, hit, bad_q, encode_q, multiple_q, oversize_q, bad_r, oversize_r, encode_r, multiple_r, answer_r, ttl_r, ageout, bad_answer, ageout_weight, total_log, total_alloc, total_freed, current_allocate, current_data_allocate, resolver_queue_full

stats data

	Counter	Size	Description
	multiple_r	2	Response with multiple questions
	multiple_q	2	Query with multiple questions
	bad_q	2	Query not passed
	bad_r	2	Response not passed
	answer_r	2	Response with multiple answers
	encode_q	2	Query encoded
	current_data_allocate	8	Current data allocate
	ttl_r	2	Response with short TTL
	resolver_queue_full	8	Resolver task queue full
	total_q	2	Total query
	total_r	2	Total server response
	total_log	2	Total stats log sent
	hit	2	Total cache hit
	current_allocate	8	Current allocate
	oversize_r	2	Response exceed cache size
	oversize_q	2	Query exceed cache size
	ageout_weight	2	Total aged for lower weight
	bad_answer	2	Bad Answer
	ageout	2	Total aged out
	total_freed	2	Total freed
	total_alloc	2	Total allocated
	encode_r	2	Response encoded

operational data

	Counter	Size	Description
	fqdn_domain	string-rlx	domain name
	type_value	number	type_value
	port-num	number	port-num
	cache-client		cache-client
	class_value	number	type value
	type_string	enum	Output contains one of the following values: - A, AAAA, CNAE, MX, NS, SRV
	global	flag	global
	vs-name	string	vs-name
	do-main_name	string-rlx	domain name
	class_string	enum	Output contains one of the following values: - IN, CH, HS, NONE, ANY
	client	flag	client
	entry	flag	entry
	cache-entry		cache-entry
	total	number	total
	vport	flag	vport
	port-type	string	port-type

2.99.13 system domain-list-info

Display domian-list Information

domain-list-info Specification

Type	*Configuration Resource*
Element Name	domain-list-info
Element URI	/axapi/v3/system/domain-list-info
Element Attributes	domain-list-info_attributes
Operational Data URI	/axapi/v3/system/domain-list-info/oper
Schema	`domain-list-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/domain-list-info

domain-list-info attributes

Get Object

GET

/axapi/v3/system/domain-list-info

domain-list-info attributes

Modify Object

POST

/axapi/v3/system/domain-list-info

domain-list-info attributes

Replace Object

PUT

/axapi/v3/system/domain-list-info

domain-list-info attributes

Delete Object

DELETE

/axapi/v3/system/domain-list-info

domain-list-info attributes

domain-list-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	domain-list		domain-list

2.99.14 system fpga-core-crc

FPGA Core CRC check Global Commands

fpga-core-crc Specification

Type	*Configuration Resource*
Element Name	fpga-core-crc
Element URI	/axapi/v3/system/fpga-core-crc
Element Attributes	fpga-core-crc_attributes
Operational Data URI	/axapi/v3/system/fpga-core-crc/oper
Schema	`fpga-core-crc schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

Get Object

GET

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

Modify Object

POST

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

Replace Object

PUT

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

Delete Object

DELETE

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

fpga-core-crc attributes

monitor-disable

Description Disable FPGA Core CRC error monitoring and act on it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reboot-enable

Description Enable system reboot if system encounters FPGA Core CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	reboot_val	string	reboot_val
	crc_error_present	string	crc_error_present
	enable_val	string	enable_val

2.99.15 system fpga-drop

fpga-drop Specification

Type	*Configuration Resource*
Element Name	fpga-drop
Element URI	/axapi/v3/system/fpga-drop
Element Attributes	fpga-drop_attributes
Statistics Data URI	/axapi/v3/system/fpga-drop/stats
Schema	`fpga-drop schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/fpga-drop

fpga-drop attributes

Get Object

GET

/axapi/v3/system/fpga-drop

fpga-drop attributes

Modify Object

POST

/axapi/v3/system/fpga-drop

fpga-drop attributes

Replace Object

PUT

/axapi/v3/system/fpga-drop

fpga-drop attributes

Delete Object

DELETE

/axapi/v3/system/fpga-drop

fpga-drop attributes

fpga-drop attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'mrx-drop': Total MRX Drop; 'hrx-drop': Total HRX Drop; 'siz-drop': Total Size Drop; 'fcs-drop': Total FCS Drop; 'land-drop': Total LAND Attack Drop; 'empty-frag-drop': Total Empty frag Drop; 'mic-frag-drop': Total Micro frag Drop; 'ipv4-opt-drop': Total IPv4 opt Drop; 'ipv4-frag': Total IP frag Drop; 'bad-ip-hdr-len': Total Bad IP hdr len Drop; 'bad-ip-flags-drop': Total Bad IP Flags Drop; 'bad-ip-ttl-drop': Total Bad IP TTL Drop; 'no-ip-payload-drop': Total No IP Payload Drop; 'oversize-ip-payload': Total Oversize IP PL Drop; 'bad-ip-payload-len': Total Bad IP PL len Drop; 'bad-ip-frag-offset': Total Bad IP frag off Drop; 'bad-ip-chksum-drop': Total Bad IP csum Drop; 'icmp-pod-drop': Total ICMP POD Drop; 'tcp-bad-urg-offet': Total TCP bad urg off Drop; 'tcp-short-hdr': Total TCP short hdr Drop; 'tcp-bad-ip-len': Total TCP Bad IP Len Drop; 'tcp-null-flags': Total TCP null flags Drop; 'tcp-null-scan': Total TCP null scan Drop; 'tcp-fin-sin': Total TCP SYN&FIN Drop; 'tcp-xmas-flags': Total TCP XMAS FLAGS Drop; 'tcp-xmas-scan': Total TCP XMAS scan Drop; 'tcp-syn-frag': Total TCP SYN frag Drop; 'tcp-frag-hdr': Total TCP frag header Drop; 'tcp-bad-chksum': Total TCP bad csum Drop; 'udp-short-hdr': Total UDP short hdr Drop; 'udp-bad-ip-len': Total UDP bad leng Drop; 'udp-kb-frags': Total UDP KB frag Drop; 'udp-port-lb': Total UDP port LB Drop; 'udp-bad-chksum': Total UDP bad csum Drop; 'runt-ip-hdr': Total Runt IP hdr Drop; 'runt-tcpudp-hdr': Total Runt TCPUDP hdr Drop; 'tun-mismatch': Total Tun mismatch Drop; 'qdr-drop': Total QDR Drop;

Type: string

Supported Values: all, mrx-drop, hrx-drop, siz-drop, fcs-drop, land-drop, empty-frag-drop, mic-frag-drop, ipv4-opt-drop, ipv4-frag, bad-ip-hdr-len, bad-ip-flags-drop, bad-ip-ttl-drop, no-ip-payload-drop, oversize-ip-payload, bad-ip-payload-len, bad-ip-frag-offset, bad-ip-chksum-drop, icmp-pod-drop, tcp-bad-urg-offet, tcp-short-hdr, tcp-bad-ip-len, tcp-null-flags, tcp-null-scan, tcp-fin-sin, tcp-xmas-flags, tcp-xmas-scan, tcp-syn-frag, tcp-frag-hdr, tcp-bad-chksum, udp-short-hdr, udp-bad-ip-len, udp-kb-frags, udp-port-lb, udp-bad-chksum, runt-ip-hdr, runt-tcpudp-hdr, tun-mismatch, qdr-drop

stats data

	Counter	Size	Description
	udp-short-hdr	8	Total UDP short hdr Drop
	fcs-drop	8	Total FCS Drop
	tcp-null-flags	8	Total TCP null flags Drop
	tcp-xmas-scan	8	Total TCP XMAS scan Drop
	bad-ip-flags-drop	8	Total Bad IP Flags Drop
	ipv4-frag	8	Total IP frag Drop
	bad-ip-chksum-drop	8	Total Bad IP csum Drop
	bad-ip-ttl-drop	8	Total Bad IP TTL Drop
	tcp-null-scan	8	Total TCP null scan Drop
	udp-port-lb	8	Total UDP port LB Drop
	tun-mismatch	8	Total Tun mismatch Drop
	runt-ip-hdr	8	Total Runt IP hdr Drop
	qdr-drop	8	Total QDR Drop
	bad-ip-frag-offset	8	Total Bad IP frag off Drop
	runt-tcpudp-hdr	8	Total Runt TCPUDP hdr Drop
	udp-bad-ip-len	8	Total UDP bad leng Drop
	siz-drop	8	Total Size Drop
	tcp-syn-frag	8	Total TCP SYN frag Drop
	udp-bad-chksum	8	Total UDP bad csum Drop
	ipv4-opt-drop	8	Total IPv4 opt Drop
	no-ip-payload-drop	8	Total No IP Payload Drop
	empty-frag-drop	8	Total Empty frag Drop
	tcp-xmas-flags	8	Total TCP XMAS FLAGS Drop
	oversize-ip-payload	8	Total Oversize IP PL Drop

continues on next page

Table 2.63 – continued from previous page

	Counter	Size	Description
	tcp-fin-sin	8	Total TCP SYN&FIN Drop
	icmp-pod-drop	8	Total ICMP POD Drop
	tcp-bad-chksum	8	Total TCP bad csum Drop
	hrx-drop	8	Total HRX Drop
	tcp-bad-urg-offet	8	Total TCP bad urg off Drop
	land-drop	8	Total LAND Attack Drop
	mrx-drop	8	Total MRX Drop
	mic-frag-drop	8	Total Micro frag Drop
	tcp-frag-hdr	8	Total TCP frag header Drop
	bad-ip-hdr-len	8	Total Bad IP hdr len Drop
	udp-kb-frags	8	Total UDP KB frag Drop
	bad-ip-payload-len	8	Total Bad IP PL len Drop
	tcp-bad-ip-len	8	Total TCP Bad IP Len Drop
	tcp-short-hdr	8	Total TCP short hdr Drop

2.99.16 system fw

Configure system parameters for firewall

fw Specification

Type	*Configuration Resource*
Element Name	fw
Element URI	/axapi/v3/system/fw
Element Attributes	fw_attributes
Schema	`fw schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/fw

fw attributes

Get Object

GET

/axapi/v3/system/fw

fw attributes

Modify Object

POST

/axapi/v3/system/fw

fw attributes

Replace Object

PUT

/axapi/v3/system/fw

fw attributes

Delete Object

DELETE

/axapi/v3/system/fw

fw attributes

fw attributes

application-flow

Description Number of flows

Type: number

application-mempool

Description Enable application memory pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-dpi-enable

Description Enable basic dpi

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.17 system geo-location

Configure system global geo-location

geo-location Specification

Type	*Configuration Resource*
Element Name	geo-location
Element URI	/axapi/v3/system/geo-location
Element Attributes	geo-location_attributes
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/system/geo-location

geo-location attributes

Modify Object

POST

/axapi/v3/system/geo-location

geo-location attributes

Replace Object

PUT

/axapi/v3/system/geo-location

geo-location attributes

Delete Object

DELETE

/axapi/v3/system/geo-location

geo-location attributes

geo-location attributes

entry-list

Type: List

Refernce Object: */axapi/v3/system/geo-location/entry/{geo-locn-obj-name}*

geo-location-geolite2-city

Description Load built-in Maxmind GeoLite2-City database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-geolite2-country

Description Load built-in Maxmind GeoLite2-Country database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-iana

Description Load built-in IANA Database

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

geolite2-city-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geolite2-country-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-load-file-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

entry-list

Specification	
Type	*list*
Block object keys	

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

entry-list_geo-locn-multiple-addresses

Specification	
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

geoloc-load-file-list

Specification	
Type	*list*
Block object keys	

geo-location-load-filename

Description Specify file to be loaded

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-name

Description CSV template to load this file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/csv*

2.99.18 system geo-location entry

Manually configure geo-location entry

entry Specification

Type	*Collection*
Object Key(s)	*geo-locn-obj-name*
Collection Name	*entry-list*
Collection URI	/axapi/v3/system/geo-location/entry
Element Name	entry
Element URI	/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}
Element Attributes	entry_attributes
Schema	`entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geo-location/entry

entry attributes

Create List

POST

/axapi/v3/system/geo-location/entry

entry attributes

Get Object

GET

/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}

entry attributes

Get List

GET

/axapi/v3/system/geo-location/entry

entry-list

Modify Object

POST

/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}

entry attributes

Replace Object

PUT

/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}

entry attributes

Replace List

PUT

/axapi/v3/system/geo-location/entry

entry-list

Delete Object

DELETE

/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}

entry attributes

entry-list

entry-list is **JSON List** of *entry attributes*

entry-list : [

{ *entry attributes* },

{ *entry attributes* },

...

]

entry attributes

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-locn-multiple-addresses

Specification	
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

2.99.19 system geoloc-list

Configure geolocation list

geoloc-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*geoloc-list-list*
Collection URI	/axapi/v3/system/geoloc-list
Element Name	geoloc-list
Element URI	/axapi/v3/system/geoloc-list/{name}
Element Attributes	geoloc-list_attributes
Statistics Data URI	/axapi/v3/system/geoloc-list/{name}/stats
Operational Data URI	/axapi/v3/system/geoloc-list/{name}/oper
Schema	`geoloc-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc-list

geoloc-list attributes

Create List

POST

/axapi/v3/system/geoloc-list

geoloc-list attributes

Get Object

GET

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Get List

GET

/axapi/v3/system/geoloc-list

geoloc-list-list

Modify Object

POST

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Replace Object

PUT

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Replace List

PUT

/axapi/v3/system/geoloc-list

geoloc-list-list

Delete Object

DELETE

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

geoloc-list-list

geoloc-list-list is **JSON List** of *geoloc-list attributes*

geoloc-list-list : [

{ *geoloc-list attributes* },

{ *geoloc-list attributes* },

...

]

geoloc-list attributes

exclude-geoloc-name-list

Type: List

include-geoloc-name-list

Type: List

name

Description Specify name of Geolocation list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

shared

Description Enable sharing with other partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-count': hit-count; 'total-geoloc': total-geoloc; 'total-active': total-active;

Type: string

Supported Values: all, hit-count, total-geoloc, total-active

include-geoloc-name-list

Specification	
Type	*list*
Block object keys	

include-geoloc-name-val

Description Geolocation name to add

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

exclude-geoloc-name-list

Specification	
Type	*list*
Block object keys	

exclude-geoloc-name-val

Description Geolocation name to exclude

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	total-geoloc	8	total-geoloc
	total-active	8	total-active
	hit-count	8	hit-count

operational data

	Counter	Size	Description
	geoloc-list		geoloc-list

2.99.20 system geoloc-name-helper

Geolocation name helper

geoloc-name-helper Specification

Type	*Configuration Resource*
Element Name	geoloc-name-helper
Element URI	/axapi/v3/system/geoloc-name-helper
Element Attributes	geoloc-name-helper_attributes
Statistics Data URI	/axapi/v3/system/geoloc-name-helper/stats
Operational Data URI	/axapi/v3/system/geoloc-name-helper/oper
Schema	`geoloc-name-helper schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

Get Object

GET

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

Modify Object

POST

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

Replace Object

PUT

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

Delete Object

DELETE

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

geoloc-name-helper attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'place-holder': place-holder;

Type: string

Supported Values: all, place-holder

operational data

	Counter	Size	Description
	geoloc	string	geoloc
	geoloc-candidate-list		geoloc-candidate-list

2.99.21 system hardware-forward

hardware-forward Specification

Type	*Configuration Resource*
Element Name	hardware-forward
Element URI	/axapi/v3/system/hardware-forward
Element Attributes	hardware-forward_attributes
Statistics Data URI	/axapi/v3/system/hardware-forward/stats
Schema	`hardware-forward schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/hardware-forward

hardware-forward attributes

Get Object

GET

/axapi/v3/system/hardware-forward

hardware-forward attributes

Modify Object

POST

/axapi/v3/system/hardware-forward

hardware-forward attributes

Replace Object

PUT

/axapi/v3/system/hardware-forward

hardware-forward attributes

Delete Object

DELETE

/axapi/v3/system/hardware-forward

hardware-forward attributes

hardware-forward attributes

sampling-enable

Type: List

slb

Description: slb is a **JSON Block**. Please see below for *slb*

Type: Object

Refernce Object: */axapi/v3/system/hardware-forward/slb*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-counts': Total packts hit counts; 'hit-index': HW Fwd hit index; 'ipv4-forward-counts': Total IPv4 hardware forwarded packets; 'ipv6-forward-counts': Total IPv6 hardware forwarded packets; 'hw-fwd-module-status': hardware forwarder status flags; 'hw-fwd-prog-reqs': hardware forward programming requests; 'hw-fwd-prog-errors': hardware forward programming Errors; 'hw-fwd-flow-singlebit-errors': hardware forward singlebit Errors; 'hw-fwd-flow-tag-mismatch': hardware forward tag mismatch errors; 'hw-fwd-flow-seq-mismatch': hardware forward sequence mismatch errors; 'hw-fwd-ageout-drop-count': hardware forward ageout drop count; 'hw-fwd-invalidation-drop': hardware forward invalid drop count; 'hw-fwd-flow-hit-index': hardware forward flow hit index; 'hw-fwd-flow-reason-flags': hardware forward flow reason flags; 'hw-fwd-flow-drop-count': hardware forward flow drop count; 'hw-fwd-flow-error-count': hardware forward flow error count; 'hw-fwd-flow-unalign-count': hardware forward flow unalign count; 'hw-fwd-flow-underflow-count': hardware forward flow underflow count; 'hw-fwd-flow-tx-full-drop': hardware forward flow tx full drop count; 'hw-fwd-flow-qdr-full-drop': hardware forward flow qdr full drop count; 'hw-fwd-phyport-mismatch-drop': hardware forward phyport mismatch count; 'hw-fwd-vlanid-mismatch-drop': hardware forward vlanid mismatch count; 'hw-fwd-vmid-drop': hardware forward vmid mismatch count; 'hw-fwd-protocol-mismatch-drop': hardware forward protocol mismatch count; 'hw-fwd-avail-ipv4-entry': hardware forward available ipv4 entries count; 'hw-fwd-avail-ipv6-entry': hardware forward available ipv6 entries count;

Type: string

Supported Values: all, hit-counts, hit-index, ipv4-forward-counts, ipv6-forward-counts, hw-fwd-module-status, hw-fwd-prog-reqs, hw-fwd-prog-errors, hw-fwd-flow-singlebit-errors, hw-fwd-flow-tag-mismatch, hw-fwd-flow-seq-mismatch, hw-fwd-ageout-drop-count, hw-fwd-invalidation-drop, hw-fwd-flow-hit-index, hw-fwd-flow-reason-flags, hw-fwd-flow-drop-count, hw-fwd-flow-error-count, hw-fwd-flow-unalign-count, hw-fwd-flow-underflow-count, hw-fwd-flow-tx-full-drop, hw-fwd-flow-qdr-full-drop, hw-fwd-phyport-mismatch-drop, hw-fwd-vlanid-mismatch-drop, hw-fwd-vmid-drop, hw-fwd-protocol-mismatch-drop, hw-fwd-avail-ipv4-entry, hw-fwd-avail-ipv6-entry

slb

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry-create': Hardware Entries Created; 'entry-create-failure': Hardware Entries Created; 'entry-create-fail-server-down': Hardware Entries Created; 'entry-create-fail-max-entry': Hardware Entries Created; 'entry-free': Hardware Entries Freed; 'entry-free-opp-entry': Hardware Entries Free due to opposite tuple entry ageout event; 'entry-free-no-hw-prog': Hardware Entry Free no hw prog; 'entry-free-no-conn': Hardware Entry Free no matched conn; 'entry-free-no-sw-entry': Hardware Entry Free no software entry; 'entry-counter': Hardware Entry Count; 'entry-age-out': Hardware Entries Aged Out; 'entry-age-out-idle': Hardware Entries Aged Out Idle; 'entry-age-out-tcp-fin': Hardware Entries Aged Out TCP FIN; 'entry-age-out-tcp-rst': Hardware Entries Aged Out TCP RST; 'entry-age-out-invalid-dst': Hardware Entries Aged Out invalid dst; 'entry-force-hw-invalidate': Hardware Entries Force HW Invalidate; 'entry-invalidate-server-down': Hardware Entries Invalidate due to server down; 'tcam-create': TCAM Entries Created; 'tcam-free': TCAM Entries Freed; 'tcam-counter': TCAM Entry Count;

Type: string

Supported Values: all, entry-create, entry-create-failure, entry-create-fail-server-down, entry-create-fail-max-entry, entry-free, entry-free-opp-entry, entry-free-no-hw-prog, entry-free-no-conn, entry-free-no-sw-entry, entry-counter, entry-age-out, entry-age-out-idle, entry-age-out-tcp-fin, entry-age-out-tcp-rst, entry-age-out-invalid-dst, entry-force-hw-invalidate, entry-invalidate-server-down, tcam-create, tcam-free, tcam-counter

stats data

	Counter	Size	Description
	hw-fwd-flow-unalign-count	8	hardware forward flow unalign count
	hw-fwd-flow-error-count	8	hardware forward flow error count
	hw-fwd-invalidation-drop	8	hardware forward invalid drop count
	hw-fwd-protocol-mismatch-drop	8	hardware forward protocol mismatch count
	hw-fwd-flow-seq-mismatch	8	hardware forward sequence mismatch errors
	hw-fwd-flow-drop-count	8	hardware forward flow drop count
	ipv4-forward-counts	8	Total IPv4 hardware forwarded packets
	hw-fwd-phyport-mismatch-drop	8	hardware forward phyport mismatch count
	hw-fwd-vmid-drop	8	hardware forward vmid mismatch count
	ipv6-forward-counts	8	Total IPv6 hardware forwarded packets
	hw-fwd-flow-hit-index	8	hardware forward flow hit index
	hw-fwd-flow-tag-mismatch	8	hardware forward tag mismatch errors
	hw-fwd-flow-qdr-full-drop	8	hardware forward flow qdr full drop count
	hw-fwd-flow-tx-full-drop	8	hardware forward flow tx full drop count
	hw-fwd-vlanid-mismatch-drop	8	hardware forward vlanid mismatch count
	hw-fwd-avail-ipv4-entry	8	hardware forward available ipv4 entries count
	hw-fwd-ageout-drop-count	8	hardware forward ageout drop count
	hw-fwd-flow-	8	hardware forward singlebit Errors

2.99.22 system high-memory-l4-session

Enable/Disable high memory L4 session support

high-memory-l4-session Specification

Type	*Configuration Resource*
Element Name	high-memory-l4-session
Element URI	/axapi/v3/system/high-memory-l4-session
Element Attributes	high-memory-l4-session_attributes
Schema	`high-memory-l4-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

Get Object

GET

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

Modify Object

POST

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

Replace Object

PUT

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

Delete Object

DELETE

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

high-memory-l4-session attributes

enable

Description Enable/Disable high memory l4 session support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.23 system icmp

Display ICMP statistics

icmp Specification

Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/system/icmp
Element Attributes	icmp_attributes
Statistics Data URI	/axapi/v3/system/icmp/stats
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp

icmp attributes

```
POST /axapi/v3/system/icmp
Payload:
{
    "icmp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/icmp

icmp attributes

```
GET /axapi/v3/system/icmp
Reponse:
{
    "icmp": {
        "uuid": "899f586c-ad12-11e7-ba9c-001fa0074d30",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/system/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/system/icmp

icmp attributes

```
PUT /axapi/v3/system/icmp
Payload:
{
    "icmp": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/icmp

icmp attributes

```
DELETE /axapi/v3/system/icmp
Reponse:
```

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```
{
    "response": {
        "status": "OK"
    }
}
```

icmp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Total number; 'inmsgs': In Messages; 'inerrors': In Errors; 'indestunreachs': In Destination Unreachable; 'intimeexcds': In TTL Exceeds; 'inparmprobs': In Parameter Problem; 'insrcquenchs': In Source Quench Error; 'inredirects': In Redirects; 'inechos': In Echo requests; 'inechoreps': In Echo replies; 'intimestamps': In Timestamp; 'intimestampreps': In Timestamp Rep; 'inaddrmasks': In Address Masks; 'inaddrmaskreps': In Address Mask Rep; 'outmsgs': Out Message; 'outerrors': Out Errors; 'outdestunreachs': Out Destination Unreachable; 'outtimeexcds': Out TTL Exceeds; 'outparmprobs': Out Parameter Problem; 'outsrcquenchs': Out Source Quench Error; 'outredirects': Out Redirects; 'outechos': Out Echo Requests; 'outechoreps': Out Echo Replies; 'outtimestamps': Out Time Stamp; 'outtimestampreps': Out Time Stamp Rep; 'outaddrmasks': Out Address Mask; 'outaddrmaskreps': Out Address Mask Rep;

Type: string

Supported Values: all, num, inmsgs, inerrors, indestunreachs, intimeexcds, inparmprobs, insrcquenchs, inredirects, inechos, inechoreps, intimestamps, intimestampreps, inaddrmasks, inaddrmaskreps, outmsgs, outerrors, outdestunreachs, outtimeexcds, outparmprobs, outsrcquenchs, outredirects, outechos, outechoreps, outtimestamps, outtimestampreps, outaddrmasks, outaddrmaskreps

stats data

	Counter	Size	Description
	inechoreps	2	In Echo replies
	outaddr-maskreps	2	Out Address Mask Rep
	outtimestam-preps	2	Out Time Stamp Rep
	inechos	2	In Echo requests
	num	2	Total number
	intimestam-preps	2	In Timestamp Rep
	outechos	2	Out Echo Requests
	inaddrmasks	2	In Address Masks
	outsrc-quenchs	2	Out Source Quench Error
	inerrors	2	In Errors
	inaddr-maskreps	2	In Address Mask Rep
	outmsgs	2	Out Message
	outtimes-tamps	2	Out Time Stamp
	outaddr-masks	2	Out Address Mask
	inparmprobs	2	In Parameter Problem
	insrcquenchs	2	In Source Quench Error
	inredirects	2	In Redirects
	outerrors	2	Out Errors
	inmsgs	2	In Messages
	outtimeexcds	2	Out TTL Exceeds
	outredirects	2	Out Redirects
	indestun-reachs	2	In Destination Unreachable
	intimeexcds	2	In TTL Exceeds
	outparm-probs	2	Out Parameter Problem
	intimestamps	2	In Timestamp
	outechoreps	2	Out Echo Replies
	outdestun-reachs	2	Out Destination Unreachable

2.99.24 system icmp6

Display ICMPv6 statistics

icmp6 Specification

Type	*Configuration Resource*
Element Name	icmp6
Element URI	/axapi/v3/system/icmp6
Element Attributes	icmp6_attributes
Statistics Data URI	/axapi/v3/system/icmp6/stats
Schema	`icmp6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp6

icmp6 attributes

```
POST /axapi/v3/system/icmp6
Payload:
{
    "icmp6": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/icmp6

icmp6 attributes

```
GET /axapi/v3/system/icmp6
Reponse:
{
    "icmp6": {
        "uuid": "899f5902-ad12-11e7-ba9c-001fa0074d30",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/icmp6"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/system/icmp6

icmp6 attributes

Replace Object

PUT

/axapi/v3/system/icmp6

icmp6 attributes

```
PUT /axapi/v3/system/icmp6
Payload:
{
    "icmp6": {
        "sampling-enable": [
            {
                "counters1": "in_msgs"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/icmp6

icmp6 attributes

```
DELETE /axapi/v3/system/icmp6
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp6 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'in_msgs': In messages; 'in_errors': In Errors; 'in_dest_un_reach': In Destunation Unreachable; 'in_pkt_too_big': In Packet too big; 'in_time_exceeds': In TTL Exceeds; 'in_param_prob': In Parameter Problem; 'in_echoes': In Echo requests; 'in_exho_reply': In Echo replies; 'in_grp_mem_query': In Group member query; 'in_grp_mem_resp': In Group member reply; 'in_grp_mem_reduction': In Group member reduction; 'in_router_sol': In Router solicitation; 'in_ra': In Router advertisement; 'in_ns': In neighbor solicitation; 'in_na': In neighbor advertisement; 'in_redirect': In Redirects; 'out_msg': Out Messages; 'out_dst_un_reach': Out Destination Unreachable; 'out_pkt_too_big': Out Packet too big; 'out_time_exceeds': Out TTL Exceeds; 'out_param_prob': Out Parameter Problem; 'out_echo_req': Out Echo requests; 'out_echo_replies': Out Echo replies; 'out_rs': Out Router solicitation; 'out_ra': Out Router advertisement; 'out_ns': Out neighbor solicitation; 'out_na': Out neighbor advertisement; 'out_redirects': Out Redirects; 'out_mem_resp': Out Group member reply; 'out_mem_reductions': Out Group member reduction; 'err_rs': Error Router solicitation; 'err_ra': Error Router advertisement; 'err_ns': Error Neighbor solicitation; 'err_na': Error Neighbor advertisement; 'err_redirects': Error Redirects; 'err_echoes': Error Echo requests; 'err_echo_replies': Error Echo replies;

Type: string

Supported Values: all, in_msgs, in_errors, in_dest_un_reach, in_pkt_too_big, in_time_exceeds, in_param_prob, in_echoes, in_exho_reply, in_grp_mem_query, in_grp_mem_resp, in_grp_mem_reduction, in_router_sol, in_ra, in_ns, in_na, in_redirect, out_msg, out_dst_un_reach, out_pkt_too_big, out_time_exceeds, out_param_prob, out_echo_req, out_echo_replies, out_rs, out_ra, out_ns, out_na, out_redirects, out_mem_resp, out_mem_reductions, err_rs, err_ra, err_ns, err_na, err_redirects, err_echoes, err_echo_replies

stats data

	Counter	Size	Description
	out_echo_req	2	Out Echo requests
	out_param_prob	2	Out Parameter Problem
	out_pkt_too_big	2	Out Packet too big
	out_na	2	Out neighbor advertisement
	out_rs	2	Out Router solicitation
	err_ns	2	Error Neighbor solicitation
	in_redirect	2	In Redirects
	in_echoes	2	In Echo requests

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	Counter	Size	Description
	out_ns	2	Out neighbor solicitation
	err_na	2	Error Neighbor advertisement
	out_ra	2	Out Router advertisement
	out_mem_reductions	2	Out Group member reduction
	out_dst_un_reach	2	Out Destination Unreachable
	in_msgs	2	In messages
	in_param_prob	2	In Parameter Problem
	in_pkt_too_big	2	In Packet too big
	err_ra	2	Error Router advertisement
	in_grp_mem_resp	2	In Group member reply
	err_echoes	2	Error Echo requests
	in_errors	2	In Errors
	out_echo_replies	2	Out Echo replies
	in_na	2	In neighbor advertisement
	in_ra	2	In Router advertisement
	err_rs	2	Error Router solicitation
	err_redirects	2	Error Redirects
	err_echo_replies	2	Error Echo replies
	in_ns	2	In neighbor solicitation
	out_msg	2	Out Messages
	out_mem_resp	2	Out Group member reply
	out_time_exceeds	2	Out TTL Exceeds
	in_exho_reply	2	In Echo replies
	in_router_sol	2	In Router solicitation
	in_grp_mem_query	2	In Group member query
	out_redirects	2	Out Redirects
	in_time_exceeds	2	In TTL Exceeds
	in_grp_mem_reduction	2	In Group member reduction
	in_dest_un_reach	2	In Destunation Unreachable

2.99.25 system icmp-rate

Icmp rate limit statistics

icmp-rate Specification

Type	*Configuration Resource*
Element Name	icmp-rate
Element URI	/axapi/v3/system/icmp-rate
Element Attributes	icmp-rate_attributes
Statistics Data URI	/axapi/v3/system/icmp-rate/stats
Schema	`icmp-rate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp-rate

icmp-rate attributes

```
POST /axapi/v3/system/icmp-rate
Payload:
{
    "icmp-rate": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/icmp-rate

icmp-rate attributes

```
GET /axapi/v3/system/icmp-rate
Reponse:
{
    "icmp-rate": {
        "uuid": "899f5b5a-ad12-11e7-ba9c-001fa0074d30",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/icmp-rate"
    }
}
```

Modify Object

POST

/axapi/v3/system/icmp-rate

icmp-rate attributes

Replace Object

PUT

/axapi/v3/system/icmp-rate

icmp-rate attributes

```
PUT /axapi/v3/system/icmp-rate
Payload:
{
```

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```
    "icmp-rate": {
        "sampling-enable": [
            {
                "counters1": "over_limit_drop"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/icmp-rate

icmp-rate attributes

```
DELETE /axapi/v3/system/icmp-rate
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

icmp-rate attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'over_limit_drop': Over limit drops; 'limit_intf_drop': Interfaces rate limit drops; 'limit_vserver_drop': Virtual Server rate limit drops; 'limit_total_drop': Total rate limit drops; 'lockup_time_left': Lockup time left; 'curr_rate': Current rate; 'v6_over_limit_drop': Over limit drops (v6); 'v6_limit_intf_drop': Interfaces rate limit drops

(v6); 'v6_limit_vserver_drop': Virtual Server rate limit drops (v6); 'v6_limit_total_drop': Total rate limit drops (v6); 'v6_lockup_time_left': Lockup time left (v6); 'v6_curr_rate': Current rate (v6);

Type: string

Supported Values: all, over_limit_drop, limit_intf_drop, limit_vserver_drop, limit_total_drop, lockup_time_left, curr_rate, v6_over_limit_drop, v6_limit_intf_drop, v6_limit_vserver_drop, v6_limit_total_drop, v6_lockup_time_left, v6_curr_rate

stats data

	Counter	Size	Description
	limit_total_drop	2	Total rate limit drops
	v6_limit_intf_drop	2	Interfaces rate limit drops (v6)
	limit_vserver_drop	2	Virtual Server rate limit drops
	v6_limit_vserver_drop	2	Virtual Server rate limit drops (v6)
	over_limit_drop	2	Over limit drops
	v6_lockup_time_left	8	Lockup time left (v6)
	v6_limit_total_drop	2	Total rate limit drops (v6)
	v6_curr_rate	8	Current rate (v6)
	lockup_time_left	8	Lockup time left
	limit_intf_drop	2	Interfaces rate limit drops
	curr_rate	8	Current rate
	v6_over_limit_drop	2	Over limit drops (v6)

2.99.26 system ip-dns-cache

Display ip dns cache

ip-dns-cache Specification

Type	*Configuration Resource*
Element Name	ip-dns-cache
Element URI	/axapi/v3/system/ip-dns-cache
Element Attributes	ip-dns-cache_attributes
Operational Data URI	/axapi/v3/system/ip-dns-cache/oper
Schema	`ip-dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

Get Object

GET

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

Modify Object

POST

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

Replace Object

PUT

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

Delete Object

DELETE

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

ip-dns-cache attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	domain-ip-list		domain-ip-list

2.99.27 system ip-threat-list

Configure System IP Threat List

ip-threat-list Specification

Type	*Configuration Resource*
Element Name	ip-threat-list
Element URI	/axapi/v3/system/ip-threat-list
Element Attributes	ip-threat-list_attributes
Statistics Data URI	/axapi/v3/system/ip-threat-list/stats
Operational Data URI	/axapi/v3/system/ip-threat-list/oper
Schema	`ip-threat-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

ip-threat-list attributes

ipv4-dest-list

Description: ipv4-dest-list is a **JSON Block**. Please see below for *ipv4-dest-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv4-dest-list*

ipv4-internet-host-list

Description: ipv4-internet-host-list is a **JSON Block**. Please see below for *ipv4-internet-host-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv4-internet-host-list*

ipv4-source-list

Description: ipv4-source-list is a **JSON Block**. Please see below for *ipv4-source-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv4-source-list*

ipv6-dest-list

Description: ipv6-dest-list is a **JSON Block**. Please see below for *ipv6-dest-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv6-dest-list*

ipv6-internet-host-list

Description: ipv6-internet-host-list is a **JSON Block**. Please see below for *ipv6-internet-host-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv6-internet-host-list*

ipv6-source-list

Description: ipv6-source-list is a **JSON Block**. Please see below for *ipv6-source-list*

Type: Object

Refernce Object: */axapi/v3/system/ip-threat-list/ipv6-source-list*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-internet-host-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-internet-host-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ipv4-source-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-source-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ipv4-internet-host-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-internet-host-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packet_hit_count_in_sw': Packet Hit Count in SW; 'packet_hit_count_in_spe': Packet Hit Count in SPE; 'entries_added_in_sw': Entries Added in SW; 'entries_removed_from_sw': Entries Removed from SW; 'entries_added_in_spe': Entries Added in SPE; 'entries_removed_from_spe': Entries Removed from SPE; 'error_out_of_memory': Out of memory Error; 'error_out_of_spe_entries': Out of SPE Entries Error;

Type: string

Supported Values: all, packet_hit_count_in_sw, packet_hit_count_in_spe, entries_added_in_sw, entries_removed_from_sw, entries_added_in_spe, entries_removed_from_spe, error_out_of_memory, error_out_of_spe_entries

ipv6-dest-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-dest-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ipv4-dest-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-dest-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ipv6-source-list

Specification	
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-source-list_class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

stats data

	Counter	Size	Description
	packet_hit_count_in_sw	8	Packet Hit Count in SW
	packet_hit_count_in_spe	8	Packet Hit Count in SPE
	entries_removed_from_spe	8	Entries Removed from SPE
	error_out_of_spe_entries	8	Out of SPE Entries Error
	entries_removed_from_sw	8	Entries Removed from SW
	entries_added_in_sw	8	Entries Added in SW
	entries_added_in_spe	8	Entries Added in SPE
	error_out_of_memory	8	Out of memory Error

operational data

	Counter	Size	Description
	entries-list		entries-list
	v4-netmask	ipv4-netmask-brief	v4-netmask
	v4-address	ipv4-address	v4-address
	v6-prefix	ipv6-address-plen	v6-prefix

2.99.28 system ip-threat-list ipv4-dest-list

List of IPv4 Class Lists for Destination IPv4 Threat List

ipv4-dest-list Specification

Type	*Configuration Resource*
Element Name	ipv4-dest-list
Element URI	/axapi/v3/system/ip-threat-list/ipv4-dest-list
Element Attributes	ipv4-dest-list_attributes
Schema	`ipv4-dest-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

ipv4-dest-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.99.29 system ip-threat-list ipv4-internet-host-list

List of IPv4 Class Lists for Internet Host IPv4 Threat List

ipv4-internet-host-list Specification

Type	*Configuration Resource*
Element Name	ipv4-internet-host-list
Element URI	/axapi/v3/system/ip-threat-list/ipv4-internet-host-list
Element Attributes	ipv4-internet-host-list_attributes
Schema	`ipv4-internet-host-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

ipv4-internet-host-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.99.30 system ip-threat-list ipv4-source-list

List of IPv4 Class Lists for Source IPv4 Threat List

ipv4-source-list Specification

Type	*Configuration Resource*
Element Name	ipv4-source-list
Element URI	/axapi/v3/system/ip-threat-list/ipv4-source-list
Element Attributes	ipv4-source-list_attributes
Schema	`ipv4-source-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

ipv4-source-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.99.31 system ip-threat-list ipv6-dest-list

List of IPv4 Class Lists for Destination IPv6 Threat List

ipv6-dest-list Specification

Type	*Configuration Resource*
Element Name	ipv6-dest-list
Element URI	/axapi/v3/system/ip-threat-list/ipv6-dest-list
Element Attributes	ipv6-dest-list_attributes
Schema	`ipv6-dest-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

ipv6-dest-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.99.32 system ip-threat-list ipv6-internet-host-list

List of IPv6 Class Lists for Internet Host IPv6 Threat List

ipv6-internet-host-list Specification

Type	*Configuration Resource*
Element Name	ipv6-internet-host-list
Element URI	/axapi/v3/system/ip-threat-list/ipv6-internet-host-list
Element Attributes	ipv6-internet-host-list_attributes
Schema	`ipv6-internet-host-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

ipv6-internet-host-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.99.33 system ip-threat-list ipv6-source-list

List of IPv4 Class Lists for Source IPv6 Threat List

ipv6-source-list Specification

Type	*Configuration Resource*
Element Name	ipv6-source-list
Element URI	/axapi/v3/system/ip-threat-list/ipv6-source-list
Element Attributes	ipv6-source-list_attributes
Schema	`ipv6-source-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

ipv6-source-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.99.34 system ipmi-service

Disable IPMI on box

ipmi-service Specification

Type	*Configuration Resource*
Element Name	ipmi-service
Element URI	/axapi/v3/system/ipmi-service
Element Attributes	ipmi-service_attributes
Schema	`ipmi-service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ipmi-service

ipmi-service attributes

Get Object

GET

/axapi/v3/system/ipmi-service

ipmi-service attributes

Modify Object

POST

/axapi/v3/system/ipmi-service

ipmi-service attributes

Replace Object

PUT

/axapi/v3/system/ipmi-service

ipmi-service attributes

Delete Object

DELETE

/axapi/v3/system/ipmi-service

ipmi-service attributes

ipmi-service attributes

disable

Description Disable IPMI on platform

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.35 system ipsec

Configure Crypto Cores for IPsec processing

ipsec Specification

Type	*Configuration Resource*
Element Name	ipsec
Element URI	/axapi/v3/system/ipsec
Element Attributes	ipsec_attributes
Schema	`ipsec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ipsec

ipsec attributes

```
POST /axapi/v3/system/ipsec
Payload:
{
    "ipsec": {
        "packet-round-robin": 1,
        "fpga-decrypt": {
            "action": "enable"
        }
    }
}
```

Get Object

GET

/axapi/v3/system/ipsec

ipsec attributes

Modify Object

POST

/axapi/v3/system/ipsec

ipsec attributes

Replace Object

PUT

/axapi/v3/system/ipsec

ipsec attributes

Delete Object

DELETE

/axapi/v3/system/ipsec

ipsec attributes

ipsec attributes

crypto-core

Description Crypto cores assigned for IPsec processing

Type: number

Range: 0-64

Default: 0

crypto-mem

Description Crypto memory percentage assigned for IPsec processing (rounded to increments of 10)

Type: number

Range: 0-100

Default: 0

fpga-decrypt

Description: fpga-decrypt is a **JSON Block**. Please see below for *fpga-decrypt*

Type: Object

Refernce Object: */axapi/v3/system/ipsec/fpga-decrypt*

packet-round-robin

Description Enable packet round robin for IPsec packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fpga-decrypt

Specification	
Type	*object*

action

Description 'enable': Enable FPGA decryption offload; 'disable': Disable FPGA decryption offload;

Type: string

Supported Values: enable, disable

Default: disable

2.99.36 system link-capability

To enable/disable link capabilities

link-capability Specification

Type	*Configuration Resource*
Element Name	link-capability
Element URI	/axapi/v3/system/link-capability
Element Attributes	link-capability_attributes
Schema	`link-capability schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/link-capability

link-capability attributes

Get Object

GET

/axapi/v3/system/link-capability

link-capability attributes

Modify Object

POST

/axapi/v3/system/link-capability

link-capability attributes

Replace Object

PUT

/axapi/v3/system/link-capability

link-capability attributes

Delete Object

DELETE

/axapi/v3/system/link-capability

link-capability attributes

link-capability attributes

enable

Description Enable/Disable link capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.37 system memory

Configure System Parameters

memory Specification

Type	*Configuration Resource*
Element Name	memory
Element URI	/axapi/v3/system/memory
Element Attributes	memory_attributes
Statistics Data URI	/axapi/v3/system/memory/stats
Operational Data URI	/axapi/v3/system/memory/oper
Schema	`memory schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/memory

memory attributes

Get Object

GET

/axapi/v3/system/memory

memory attributes

Modify Object

POST

/axapi/v3/system/memory

memory attributes

Replace Object

PUT

/axapi/v3/system/memory

memory attributes

Delete Object

DELETE

/axapi/v3/system/memory

memory attributes

memory attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'usage-percentage': Memory Usage percentage;

Type: string

Supported Values: all, usage-percentage

stats data

	Counter	Size	Description
	usage-percentage	8	Memory Usage percentage

operational data

	Counter	Size	Description
	aFleX-memory		aFleX-memory
	Used	number	Used
	aflex-memory-counts	number	aflex-memory-counts
	ac-trie-memory-counts	number	ac-trie-memory-counts
	ssl-memory-counts	number	ssl-memory-counts
	N2-memory		N2-memory
	Cached	number	Cached
	TCP-memory		TCP-memory
	system-memory-counts	number	system-memory-counts
	Free	number	Free
	System-memory		System-memory
	tcp-memory-counts	number	tcp-memory-counts
	SSL-memory		SSL-memory
	n2-memory-counts	number	n2-memory-counts
	Usage	string	Usage
	Shared	number	Shared
	Total	number	Total
	AC-trie-memory		AC-trie-memory
	Buffers	number	Buffers

2.99.38 system mfa-cert-store

Define a 2FA management client certificate store

mfa-cert-store Specification

Type	*Configuration Resource*
Element Name	mfa-cert-store
Element URI	/axapi/v3/system/mfa-cert-store
Element Attributes	mfa-cert-store_attributes
Schema	`mfa-cert-store schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

Get Object

GET

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

Modify Object

POST

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

Replace Object

PUT

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

Delete Object

DELETE

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

mfa-cert-store attributes

cert-host

Description Configure certificate store host

Type: string

Format: host

cert-store-path

Description Configure certificate store path

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

passwd-string

Description Certificate store host password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

protocol

Description 'tftp': Use tftp for connection; 'ftp': Use ftp for connection; 'scp': Use scp for connection; 'http': Use http for connection; 'https': Use https for connection; 'sftp': Use sftp for connection;

Type: string

Supported Values: tftp, ftp, scp, http, https, sftp

username

Description Certificate store host username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.39 system mfa-management

Enable 2FA for management plane

mfa-management Specification

Type	*Configuration Resource*
Element Name	mfa-management
Element URI	/axapi/v3/system/mfa-management
Element Attributes	mfa-management_attributes
Operational Data URI	/axapi/v3/system/mfa-management/oper
Schema	`mfa-management schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mfa-management

mfa-management attributes

Get Object

GET

/axapi/v3/system/mfa-management

mfa-management attributes

Modify Object

POST

/axapi/v3/system/mfa-management

mfa-management attributes

Replace Object

PUT

/axapi/v3/system/mfa-management

mfa-management attributes

Delete Object

DELETE

/axapi/v3/system/mfa-management

mfa-management attributes

mfa-management attributes

enable

Description Enable 2FA for management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	enable	number	enable

2.99.40 system mfa-validation-type

Define a 2FA management validation parameter

mfa-validation-type Specification

Type	*Configuration Resource*
Element Name	mfa-validation-type
Element URI	/axapi/v3/system/mfa-validation-type
Element Attributes	mfa-validation-type_attributes
Schema	`mfa-validation-type schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

Get Object

GET

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

Modify Object

POST

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

Replace Object

PUT

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

Delete Object

DELETE

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

mfa-validation-type attributes

ca-cert

Description Configure CA Certificate

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.41 system mon-template

Define an template monitor

mon-template Specification

Type	*Intermediate Resource*
Element Name	mon-template
Element URI	/axapi/v3/system/mon-template
Element Attributes	mon-template_attributes
Schema	`mon-template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/mon-template

mon-template_attributes

mon-template attributes

link-block-as-down

Description: link-block-as-down is a **JSON Block**. Please see below for *link-block-as-down*

Type: Object

Refernce Object: */axapi/v3/system/mon-template/link-block-as-down*

link-down-on-restart

Description: link-down-on-restart is a **JSON Block**. Please see below for *link-down-on-restart*

Type: Object

Refernce Object: */axapi/v3/system/mon-template/link-down-on-restart*

monitor-list

Type: List

Refernce Object: */axapi/v3/system/mon-template/monitor/{id}*

link-down-on-restart

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list

Specification	
Type	*list*
Block object keys	

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_clear-cfg

Specification	
Type	*list*
Block object keys	

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

monitor-list_link-enable-cfg

Specification	
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-up-cfg

Specification	
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the sequece number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-down-cfg

Specification	
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the seqeuence number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-disable-cfg

Specification	
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

link-block-as-down

Specification	
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.42 system mon-template link-block-as-down

LACP Link-block will be treated as Link-down template

link-block-as-down Specification

Type	*Configuration Resource*
Element Name	link-block-as-down
Element URI	/axapi/v3/system/mon-template/link-block-as-down
Element Attributes	link-block-as-down_attributes
Schema	`link-block-as-down schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

Get Object

GET

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

Modify Object

POST

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

Replace Object

PUT

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

Delete Object

DELETE

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

link-block-as-down attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.43 system mon-template link-down-on-restart

All Link event will be treated as Link-down template

link-down-on-restart Specification

Type	*Configuration Resource*
Element Name	link-down-on-restart
Element URI	/axapi/v3/system/mon-template/link-down-on-restart
Element Attributes	link-down-on-restart_attributes
Schema	`link-down-on-restart schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

Get Object

GET

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

Modify Object

POST

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

Replace Object

PUT

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

Delete Object

DELETE

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

link-down-on-restart attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.44 system mon-template monitor

Monitor template

monitor Specification

Type	*Collection*
Object Key(s)	*id*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/system/mon-template/monitor
Element Name	monitor
Element URI	/axapi/v3/system/mon-template/monitor/{id}
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mon-template/monitor

monitor attributes

Create List

POST

/axapi/v3/system/mon-template/monitor

monitor attributes

Get Object

GET

/axapi/v3/system/mon-template/monitor/{id}

monitor attributes

Get List

GET

/axapi/v3/system/mon-template/monitor

monitor-list

Modify Object

POST

/axapi/v3/system/mon-template/monitor/{id}

monitor attributes

Replace Object

PUT

/axapi/v3/system/mon-template/monitor/{id}

monitor attributes

Replace List

PUT

/axapi/v3/system/mon-template/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/system/mon-template/monitor/{id}

monitor attributes

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

clear-cfg

Specification	
Type	*list*
Block object keys	

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

link-enable-cfg

Specification	
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

link-up-cfg

Specification	
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the sequece number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

link-down-cfg

Specification	
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the seqeuence number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

link-disable-cfg

Specification	
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

2.99.45 system ndisc-ra

Neighbor discovery and RA counters

ndisc-ra Specification

Type	*Configuration Resource*
Element Name	ndisc-ra
Element URI	/axapi/v3/system/ndisc-ra
Element Attributes	ndisc-ra_attributes
Statistics Data URI	/axapi/v3/system/ndisc-ra/stats
Schema	`ndisc-ra schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

```
POST /axapi/v3/system/ndisc-ra
Payload:
{
    "ndisc-ra": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
```

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```
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

```
GET /axapi/v3/system/ndisc-ra
Reponse:
{
    "ndisc-ra": {
        "uuid": "899f5c86-ad12-11e7-ba9c-001fa0074d30",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/ndisc-ra"
    }
}
```

Modify Object

POST

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

Replace Object

PUT

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

```
PUT /axapi/v3/system/ndisc-ra
Payload:
{
    "ndisc-ra": {
        "sampling-enable": [
            {
                "counters1": "good_recv"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

```
DELETE /axapi/v3/system/ndisc-ra
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ndisc-ra attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'good_recv': Good Router Solicitations (R.S.) Received; 'periodic_sent': Periodic Router Advertisements (R.A.) Sent; 'rate_limit': R.S. Rate Limited; 'bad_hop_limit': R.S. Bad Hop Limit; 'truncated': R.S. Truncated; 'bad_icmpv6_csum': R.S. Bad ICMPv6 Checksum; 'bad_icmpv6_code': R.S. Unknown ICMPv6 Code; 'bad_icmpv6_option': R.S. Bad ICMPv6 Option; 'l2_addr_and_unspec': R.S. Src Link-Layer Option and Unspecified Address; 'no_free_buffers': No Free Buffers to send R.A.;

Type: string

Supported Values: all, good_recv, periodic_sent, rate_limit, bad_hop_limit, truncated, bad_icmpv6_csum, bad_icmpv6_code, bad_icmpv6_option, l2_addr_and_unspec, no_free_buffers

stats data

	Counter	Size	Description
	bad_hop_limit	2	R.S. Bad Hop Limit
	bad_icmpv6_code	2	R.S. Unknown ICMPv6 Code
	bad_icmpv6_csum	2	R.S. Bad ICMPv6 Checksum
	truncated	2	R.S. Truncated
	no_free_buffers	2	No Free Buffers to send R.A.
	rate_limit	2	R.S. Rate Limited
	l2_addr_and_unspec	2	R.S. Src Link-Layer Option and Unspecified Address
	bad_icmpv6_option	2	R.S. Bad ICMPv6 Option
	periodic_sent	2	Periodic Router Advertisements (R.A.) Sent
	good_recv	2	Good Router Solicitations (R.S.) Received

2.99.46 system password-policy

Configure Password Complexity, Passsword Aging, Password history under password policy

password-policy Specification

Type	*Configuration Resource*
Element Name	password-policy
Element URI	/axapi/v3/system/password-policy
Element Attributes	password-policy_attributes
Schema	`password-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/password-policy

password-policy attributes

Get Object

GET

/axapi/v3/system/password-policy

password-policy attributes

Modify Object

POST

/axapi/v3/system/password-policy

password-policy attributes

Replace Object

PUT

/axapi/v3/system/password-policy

password-policy attributes

Delete Object

DELETE

/axapi/v3/system/password-policy

password-policy attributes

password-policy attributes

aging

Description 'Strict': Strict: Max Age-60 Days; 'Medium': Medium: Max Age- 90 Days; 'Simple': Simple: Max Age-120 Days;

Type: string

Supported Values: Strict, Medium, Simple

complexity

Description 'Strict': Strict: Min length:8, Min Lower Case:2, Min Upper Case:2, Min Numbers:2, Min Special Character:1; 'Medium': Medium: Min length:6, Min Lower Case:2, Min Upper Case:2, Min Numbers:1, Min Special Character:1; 'Simple': Simple: Min length:4, Min Lower Case:1, Min Upper Case:1, Min Numbers:1, Min Special Character:0;

Type: string

Supported Values: Strict, Medium, Simple

history

Description 'Strict': Strict: Does not allow upto 5 old passwords; 'Medium': Medium: Does not allow upto 4 old passwords; 'Simple': Simple: Does not allow upto 3 old passwords;

Type: string

Supported Values: Strict, Medium, Simple

min-pswd-len

Description Configure custom password length

Type: number

Range: 8-63

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.47 system per-vlan-limit

Per vlan flooding packet limit

per-vlan-limit Specification

Type	*Configuration Resource*
Element Name	per-vlan-limit
Element URI	/axapi/v3/system/per-vlan-limit
Element Attributes	per-vlan-limit_attributes
Schema	`per-vlan-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

```
POST /axapi/v3/system/per-vlan-limit
Payload:
{
    "per-vlan-limit": {
        "bcast": 1
    }
}
```

Get Object

GET

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

```
GET /axapi/v3/system/per-vlan-limit
Reponse:
{
    "per-vlan-limit": {
        "bcast": 1,
        "ipmcast": 1000,
        "mcast": 1000,
        "unknown-ucast": 1000,
        "uuid": "dc64f09e-bfa6-11e5-a413-df8bf195119b",
        "a10-url": "/axapi/v3/system/per-vlan-limit"
    }
}
```

Modify Object

POST

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

Replace Object

PUT

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

```
PUT /axapi/v3/system/per-vlan-limit
Payload:
{
    "per-vlan-limit": {
        "bcast": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

```
DELETE /axapi/v3/system/per-vlan-limit
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

per-vlan-limit attributes

bcast

Description broadcast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

ipmcast

Description IP multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

mcast

Description multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

unknown-ucast

Description unknown unicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.48 system ports

System level port configurations

ports Specification

Type	*Configuration Resource*
Element Name	ports
Element URI	/axapi/v3/system/ports
Element Attributes	ports_attributes
Schema	`ports schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ports

ports attributes

Get Object

GET

/axapi/v3/system/ports

ports attributes

Modify Object

POST

/axapi/v3/system/ports

ports attributes

Replace Object

PUT

/axapi/v3/system/ports

ports attributes

Delete Object

DELETE

/axapi/v3/system/ports

ports attributes

ports attributes

link-detection-interval

Description Link detection interval in msecs

Type: number

Range: 50-60000

Default: 1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.49 system probe-network-devices

Scan platform for network devices

probe-network-devices Specification

Type	*Configuration Resource*
Element Name	probe-network-devices
Element URI	/axapi/v3/system/probe-network-devices
Element Attributes	probe-network-devices_attributes
Schema	`probe-network-devices schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/probe-network-devices

probe-network-devices attributes

Get Object

GET

/axapi/v3/system/probe-network-devices

probe-network-devices attributes

Modify Object

POST

/axapi/v3/system/probe-network-devices

probe-network-devices attributes

Delete Object

DELETE

/axapi/v3/system/probe-network-devices

probe-network-devices attributes

probe-network-devices attributes

2.99.50 system q-in-q

802.1QinQ system settings

q-in-q Specification

Type	*Configuration Resource*
Element Name	q-in-q
Element URI	/axapi/v3/system/q-in-q
Element Attributes	q-in-q_attributes
Schema	`q-in-q schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/q-in-q

q-in-q attributes

Get Object

GET

/axapi/v3/system/q-in-q

q-in-q attributes

Modify Object

POST

/axapi/v3/system/q-in-q

q-in-q attributes

Replace Object

PUT

/axapi/v3/system/q-in-q

q-in-q attributes

Delete Object

DELETE

/axapi/v3/system/q-in-q

q-in-q attributes

q-in-q attributes

enable-all-ports

Description Enable 802.1QinQ on all physical ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inner-tpid

Description TPID for inner VLAN (Inner TPID, 16 bit hex value, default is 8100)

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

outer-tpid

Description TPID for outer VLAN (Outer TPID, 16 bit hex value, default is 8a88)

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.51 system queuing-buffer

Enable/Disable micro-burst traffic support

queuing-buffer Specification

Type	*Configuration Resource*
Element Name	queuing-buffer
Element URI	/axapi/v3/system/queuing-buffer
Element Attributes	queuing-buffer_attributes
Schema	`queuing-buffer schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

Get Object

GET

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

Modify Object

POST

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

Replace Object

PUT

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

Delete Object

DELETE

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

queuing-buffer attributes

enable

Description Enable/Disable micro-burst traffic support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.52 system radius

Configure the Interaction with External RADIUS Servers

radius Specification

Type	*Intermediate Resource*
Element Name	radius
Element URI	/axapi/v3/system/radius
Element Attributes	radius_attributes
Schema	`radius schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/radius

radius_attributes

radius attributes

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Refernce Object: */axapi/v3/system/radius/server*

server

Specification	
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated(CGN only);

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI; 'custom1': Clear using CUSTOM1 attribute configured; 'custom2': Clear using CUSTOM2 attribute configured; 'custom3': Clear using CUSTOM3 attribute configured;

Type: string

Supported Values: msisdn, imei, imsi, custom1, custom2, custom3, custom4, custom5, custom6

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (default 1813) (Port number)

Type: number

Range: 1024-65535

Default: 1813

remote

Description: remote is a **JSON Block**. Please see below for *server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

server_remote

Specification	
Type	*object*

ip-list

Type: List

server_remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

server_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Ignored; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-created': RADIUS SMP Created; 'smp-deleted': RADIUS SMP Deleted; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-in-rml': RADIUS SMP in RML; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop;

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

server_attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

2.99.53 system radius server

Configure system as a RADIUS server

server Specification

Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/system/radius/server
Element Attributes	server_attributes
Statistics Data URI	/axapi/v3/system/radius/server/stats
Operational Data URI	/axapi/v3/system/radius/server/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/radius/server

server attributes

Get Object

GET

/axapi/v3/system/radius/server

server attributes

Modify Object

POST

/axapi/v3/system/radius/server

server attributes

Replace Object

PUT

/axapi/v3/system/radius/server

server attributes

Delete Object

DELETE

/axapi/v3/system/radius/server

server attributes

server attributes

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated(CGN only);

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI; 'custom1': Clear using CUSTOM1 attribute configured; 'custom2': Clear using CUSTOM2 attribute configured; 'custom3': Clear using CUSTOM3 attribute configured;

Type: string

Supported Values: msisdn, imei, imsi, custom1, custom2, custom3, custom4, custom5, custom6

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (default 1813) (Port number)

Type: number

Range: 1024-65535

Default: 1813

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

remote

Specification	
Type	*object*

ip-list

Type: List

remote_ip-list

Specification	
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Ignored; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-created': RADIUS SMP Created; 'smp-deleted': RADIUS SMP Deleted; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-in-rml': RADIUS SMP in RML; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate

RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop;

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

attribute

Specification	
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

stats data

	Counter	Size	Description
	secret-not-configured-dropped	8	RADIUS Secret Not Configured Dropped
	radius-request-dropped	8	RADIUS Request Dropped (Malformed Packet)
	imsi-received	8	IMSI Received
	invalid-key	8	Radius Request has Invalid Key Field
	request-bad-secret-dropped	8	RADIUS Request Bad Secret Dropped
	ha-standby-dropped	8	HA Standby Dropped
	custom-received	8	Custom attribute Received
	imei-received	8	IMEI Received
	request-no-key-vap-dropped	8	RADIUS Request No Key Attribute Dropped
	radius-table-full	8	RADIUS Request Dropped (Table Full)
	msisdn-received	8	MSISDN Received
	request-malformed-dropped	8	RADIUS Request Malformed Dropped
	request-ignored	8	RADIUS Request Ignored
	ipv6-prefix-length-mismatch	8	Framed IPV6 Prefix Length Mismatch
	radius-request-received	8	RADIUS Request Received

operational data

	Counter	Size	Description
	radius-table-entries-list		radius-table-entries-list
	custom-attr-value	string	custom-attr-value
	starts-with	flag	starts-with
	custom-attr-name	string	custom-attr-name
	case-insensitive	flag	case-insensitive
	total-entries	number	total-entries

2.99.54 system resource-accounting

Create resource accounting template

resource-accounting Specification

Type	*Configuration Resource*
Element Name	resource-accounting
Element URI	/axapi/v3/system/resource-accounting
Element Attributes	resource-accounting_attributes
Operational Data URI	/axapi/v3/system/resource-accounting/oper
Schema	`resource-accounting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting

resource-accounting attributes

Get Object

GET

/axapi/v3/system/resource-accounting

resource-accounting attributes

Modify Object

POST

/axapi/v3/system/resource-accounting

resource-accounting attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting

resource-accounting attributes

Delete Object

DELETE

/axapi/v3/system/resource-accounting

resource-accounting attributes

resource-accounting attributes

template-list

Type: List

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	
Type	*list*
Block object keys	

app-resources

Description: app-resources is a **JSON Block**. Please see below for *template-list_app-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/app-resources*

name

Description Enter template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

network-resources

Description: network-resources is a **JSON Block**. Please see below for *template-list_network-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/network-resources*

system-resources

Description: system-resources is a **JSON Block**. Please see below for *template-list_system-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/system-resources*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_app-resources

Specification	
Type	*object*

cache-template-cfg

Description: cache-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_cache-template-cfg*

Type: Object

client-ssl-template-cfg

Description: client-ssl-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_client-ssl-template-cfg*

Type: Object

conn-reuse-template-cfg

Description: conn-reuse-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_conn-reuse-template-cfg*

Type: Object

fast-tcp-template-cfg

Description: fast-tcp-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_fast-tcp-template-cfg*

Type: Object

fast-udp-template-cfg

Description: fast-udp-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_fast-udp-template-cfg*

Type: Object

fix-template-cfg

Description: fix-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_fix-template-cfg*

Type: Object

gslb-device-cfg

Description: gslb-device-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-device-cfg*

Type: Object

gslb-geo-location-cfg

Description: gslb-geo-location-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-geo-location-cfg*

Type: Object

gslb-ip-list-cfg

Description: gslb-ip-list-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-ip-list-cfg*

Type: Object

gslb-policy-cfg

Description: gslb-policy-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-policy-cfg*

Type: Object

gslb-service-cfg

Description: gslb-service-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-service-cfg*

Type: Object

gslb-service-ip-cfg

Description: gslb-service-ip-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-service-ip-cfg*

Type: Object

gslb-service-port-cfg

Description: gslb-service-port-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-service-port-cfg*

Type: Object

gslb-site-cfg

Description: gslb-site-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-site-cfg*

Type: Object

gslb-svc-group-cfg

Description: gslb-svc-group-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-svc-group-cfg*

Type: Object

gslb-template-cfg

Description: gslb-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-template-cfg*

Type: Object

gslb-zone-cfg

Description: gslb-zone-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-zone-cfg*

Type: Object

health-monitor-cfg

Description: health-monitor-cfg is a **JSON Block**. Please see below for *template-list_app-resources_health-monitor-cfg*

Type: Object

http-template-cfg

Description: http-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_http-template-cfg*

Type: Object

link-cost-template-cfg

Description: link-cost-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_link-cost-template-cfg*

Type: Object

persist-cookie-template-cfg

Description: persist-cookie-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_persist-cookie-template-cfg*

Type: Object

persist-srcip-template-cfg

Description: persist-srcip-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_persist-srcip-template-cfg*

Type: Object

proxy-template-cfg

Description: proxy-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_proxy-template-cfg*

Type: Object

real-port-cfg

Description: real-port-cfg is a **JSON Block**. Please see below for *template-list_app-resources_real-port-cfg*

Type: Object

real-server-cfg

Description: real-server-cfg is a **JSON Block**. Please see below for *template-list_app-resources_real-server-cfg*

Type: Object

server-ssl-template-cfg

Description: server-ssl-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_server-ssl-template-cfg*

Type: Object

service-group-cfg

Description: service-group-cfg is a **JSON Block**. Please see below for *template-list_app-resources_service-group-cfg*

Type: Object

stream-template-cfg

Description: stream-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_stream-template-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-cfg

Description: virtual-port-cfg is a **JSON Block**. Please see below for *template-list_app-resources_virtual-port-cfg*

Type: Object

virtual-server-cfg

Description: virtual-server-cfg is a **JSON Block**. Please see below for *template-list_app-resources_virtual-server-cfg*

Type: Object

template-list_app-resources_http-template-cfg

Specification	
Type	*object*

http-template-max

Description Enter the number of http-template allowed (http-template count (default is max-value))

Type: number

http-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_server-ssl-template-cfg

Specification	
Type	*object*

server-ssl-template-max

Description Enter the number of server-ssl-template allowed (server-ssl-template count (default is max-value))

Type: number

server-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-template-cfg

Specification	
Type	*object*

gslb-template-max

Description Enter the number of gslb-template allowed (gslb-template count (default is max-value))

Type: number

gslb-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_virtual-server-cfg

Specification	
Type	*object*

virtual-server-max

Description Enter the number of virtual-servers allowed (virtual-server count (default is max-value))

Type: number

virtual-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-service-port-cfg

Specification	
Type	*object*

gslb-service-port-max

Description Enter the number of gslb-service-port allowed (gslb-service-port count (default is max-value))

Type: number

gslb-service-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-site-cfg

Specification	
Type	*object*

gslb-site-max

Description Enter the number of gslb-site allowed (gslb-site count (default is max-value))

Type: number

gslb-site-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_proxy-template-cfg

Specification	
Type	*object*

proxy-template-max

Description Enter the number of proxy-template allowed (server-ssl-template count (default is max-value))

Type: number

proxy-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_real-server-cfg

Specification	
Type	*object*

real-server-max

Description Enter the number of real-servers allowed (real-server count (default is max-value))

Type: number

real-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_link-cost-template-cfg

Specification	
Type	*object*

link-cost-template-max

Description Enter the number of link-cost-template allowed (link-cost-template count (default is max-value))

Type: number

link-cost-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_client-ssl-template-cfg

Specification	
Type	*object*

client-ssl-template-max

Description Enter the number of client-ssl-template allowed (client-ssl-template count (default is max-value))

Type: number

client-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_health-monitor-cfg

Specification	
Type	*object*

health-monitor-max

Description Enter the number of health monitors allowed (health-monitor count (default is max-value))

Type: number

Range: 0-1023

health-monitor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-1023

Default: 0

template-list_app-resources_gslb-zone-cfg

Specification	
Type	*object*

gslb-zone-max

Description Enter the number of gslb-zone allowed (gslb-zone count (default is max-value))

Type: number

gslb-zone-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_conn-reuse-template-cfg

Specification	
Type	*object*

conn-reuse-template-max

Description Enter the number of conn-reuse-template allowed (conn-reuse-template count (default is max-value))

Type: number

conn-reuse-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-policy-cfg

Specification	
Type	*object*

gslb-policy-max

Description Enter the number of gslb-policy allowed (gslb-policy count (default is max-value))

Type: number

gslb-policy-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-service-cfg

Specification	
Type	*object*

gslb-service-max

Description Enter the number of gslb-service allowed (gslb-service count (default is max-value)

Type: number

gslb-service-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-geo-location-cfg

Specification	
Type	*object*

gslb-geo-location-max

Description Enter the number of gslb-geo-location allowed (gslb-geo-location count (default is max-value))

Type: number

gslb-geo-location-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_cache-template-cfg

Specification	
Type	*object*

cache-template-max

Description Enter the number of cache-template allowed (cache-template count (default is max-value))

Type: number

cache-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_persist-cookie-template-cfg

Specification	
Type	*object*

persist-cookie-template-max

Description Enter the number of persist-cookie-template allowed (persist-cookie-template count (default is max-value))

Type: number

persist-cookie-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_fix-template-cfg

Specification	
Type	*object*

fix-template-max

Description Enter the number of fix-template allowed (fix-template count (default is max-value))

Type: number

fix-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_fast-tcp-template-cfg

Specification	
Type	*object*

fast-tcp-template-max

Description Enter the number of fast-tcp-template allowed (fast-tcp-template count (default is max-value))

Type: number

fast-tcp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_fast-udp-template-cfg

Specification	
Type	*object*

fast-udp-template-max

Description Enter the number of fast-udp-template allowed (fast-udp-template count (default is max-value))

Type: number

fast-udp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-service-ip-cfg

Specification	
Type	*object*

gslb-service-ip-max

Description Enter the number of gslb-service-ip allowed (gslb-service-ip count (default is max-value))

Type: number

gslb-service-ip-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-svc-group-cfg

Specification	
Type	*object*

gslb-svc-group-max

Description Enter the number of gslb-svc-group allowed (gslb-svc-group count (default is max-value))

Type: number

gslb-svc-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_virtual-port-cfg

Specification	
Type	*object*

virtual-port-max

Description Enter the number of virtual-port allowed (virtual-port count (default is max-value))

Type: number

virtual-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_service-group-cfg

Specification	
Type	*object*

service-group-max

Description Enter the number of service groups allowed (service-group count (default is max-value))

Type: number

service-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-device-cfg

Specification	
Type	*object*

gslb-device-max

Description Enter the number of gslb-device allowed (gslb-device count (default is max-value))

Type: number

gslb-device-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_persist-srcip-template-cfg

Specification	
Type	*object*

persist-srcip-template-max

Description Enter the number of persist-srcip-template allowed (persist-source-ip-template count (default is max-value))

Type: number

persist-srcip-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_stream-template-cfg

Specification	
Type	*object*

stream-template-max

Description Enter the number of stream-template allowed (server-ssl-template count (default is max-value))

Type: number

stream-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_real-port-cfg

Specification	
Type	*object*

real-port-max

Description Enter the number of real-ports allowed (real-port count (default is max-value))

Type: number

real-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-ip-list-cfg

Specification	
Type	*object*

gslb-ip-list-max

Description Enter the number of gslb-ip-list allowed (gslb-ip-list count (default is max-value))

Type: number

gslb-ip-list-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_system-resources

Specification	
Type	*object*

bw-limit-cfg

Description: bw-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_bw-limit-cfg*

Type: Object

concurrent-session-limit-cfg

Description: concurrent-session-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_concurrent-session-limit-cfg*

Type: Object

fwcps-limit-cfg

Description: fwcps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_fwcps-limit-cfg*

Type: Object

l4-session-limit-cfg

Description: l4-session-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_l4-session-limit-cfg*

Type: Object

l4cps-limit-cfg

Description: l4cps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_l4cps-limit-cfg*

Type: Object

l7cps-limit-cfg

Description: l7cps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_l7cps-limit-cfg*

Type: Object

natcps-limit-cfg

Description: natcps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_natcps-limit-cfg*

Type: Object

ssl-throughput-limit-cfg

Description: ssl-throughput-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_ssl-throughput-limit-cfg*

Type: Object

sslcps-limit-cfg

Description: sslcps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_sslcps-limit-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_system-resources_l4-session-limit-cfg

Specification	
Type	*object*

l4-session-limit-max

Description Enter the l4 session limit in % (0.01% to 99.99%) (Enter a number from 0.01 to 99.99 (up to 2 digits precision))

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

l4-session-limit-min-guarantee

Description minimum guaranteed value in % (up to 2 digits precision) (Enter a number from 0.01 to 99.99)

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

Default: 0

template-list_system-resources_l7cps-limit-cfg

Specification	
Type	*object*

l7cps-limit-max

Description L7cps-limit (L7 cps limit (no limits applied by default))

Type: number

Range: 100-300000

template-list_system-resources_l4cps-limit-cfg

Specification	
Type	*object*

l4cps-limit-max

Description Enter the L4 cps limit (L4 cps limit (no limits applied by default))

Type: number

Range: 100-1000000

template-list_system-resources_natcps-limit-cfg

Specification	
Type	*object*

natcps-limit-max

Description Enter the Nat cps limit (NAT cps limit (no limits applied by default))

Type: number

Range: 100-1000000

template-list_system-resources_sslcps-limit-cfg

Specification	
Type	*object*

sslcps-limit-max

Description Enter the SSL cps limit (SSL cps limit (no limits applied by default))

Type: number

Range: 100-300000

template-list_system-resources_fwcps-limit-cfg

Specification	
Type	*object*

fwcps-limit-max

Description Enter the Firewall cps limit (Firewall cps limit (no limits applied by default))

Type: number

Range: 100-1000000

template-list_system-resources_ssl-throughput-limit-cfg

Specification	
Type	*object*

ssl-throughput-limit-max

Description Enter the ssl throughput limit in mbps (SSL Througput limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

ssl-throughput-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_system-resources_bw-limit-cfg

Specification	
Type	*object*

bw-limit-max

Description Enter the bandwidth limit in mbps (Bandwidth limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

bw-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_system-resources_concurrent-session-limit-cfg

Specification	
Type	*object*

concurrent-session-limit-max

Description Enter the Concurrent Session limit (cps) (Concurrent-Session cps limit (no limits applied by default))

Type: number

template-list_network-resources

Specification	
Type	*object*

ipv4-acl-line-cfg

Description: ipv4-acl-line-cfg is a **JSON Block**. Please see below for *template-list_network-resources_ipv4-acl-line-cfg*

Type: Object

ipv6-acl-line-cfg

Description: ipv6-acl-line-cfg is a **JSON Block**. Please see below for *template-list_network-resources_ipv6-acl-line-cfg*

Type: Object

object-group-cfg

Description: object-group-cfg is a **JSON Block**. Please see below for *template-list_network-resources_object-group-cfg*

Type: Object

object-group-clause-cfg

Description: object-group-clause-cfg is a **JSON Block**. Please see below for *template-list_network-resources_object-group-clause-cfg*

Type: Object

static-arp-cfg

Description: static-arp-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-arp-cfg*

Type: Object

static-ipv4-route-cfg

Description: static-ipv4-route-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-ipv4-route-cfg*

Type: Object

static-ipv6-route-cfg

Description: static-ipv6-route-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-ipv6-route-cfg*

Type: Object

static-mac-cfg

Description: static-mac-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-mac-cfg*

Type: Object

static-neighbor-cfg

Description: static-neighbor-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-neighbor-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_network-resources_static-ipv6-route-cfg

Specification	
Type	*object*

static-ipv6-route-max

Description Enter the number of static ipv6 routes allowed (Static ipv6 routes (default is max-value))

Type: number

static-ipv6-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_network-resources_object-group-clause-cfg

Specification	
Type	*object*

object-group-clause-max

Description Enter the number of object group clauses allowed (Object group clauses (default is max-value))

Type: number

Range: 0-8192000

object-group-clause-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8192000

Default: 0

template-list_network-resources_static-ipv4-route-cfg

Specification	
Type	*object*

static-ipv4-route-max

Description Enter the number of static ipv4 routes allowed (Static ipv4 routes (default is max-value))

Type: number

static-ipv4-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_network-resources_static-arp-cfg

Specification	
Type	*object*

static-arp-max

Description Enter the number of static arp entries allowed (Static arp (default is max-value))

Type: number

Range: 0-128

static-arp-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

template-list_network-resources_ipv4-acl-line-cfg

Specification	
Type	*object*

ipv4-acl-line-max

Description Enter the number of ACL lines allowed (IPV4 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv4-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

template-list_network-resources_static-mac-cfg

Specification	
Type	*object*

static-mac-max

Description Enter the number of static MAC entries allowed (Static MACs (default is max-value))

Type: number

Range: 0-500

static-mac-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-500

Default: 0

template-list_network-resources_ipv6-acl-line-cfg

Specification	
Type	*object*

ipv6-acl-line-max

Description Enter the number of ACL lines allowed (IPV6 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv6-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

template-list_network-resources_static-neighbor-cfg

Specification	
Type	*object*

static-neighbor-max

Description Enter the number of static neighbor entries allowed (Static neighbors (default is max-value))

Type: number

Range: 0-128

static-neighbor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

template-list_network-resources_object-group-cfg

Specification	
Type	*object*

object-group-max

Description Enter the number of object groups allowed (Object group (default is max-value))

Type: number

Range: 0-8000

object-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8000

Default: 0

operational data

	Counter	Size	Description
	scope	string	scope
	partition-resource		partition-resource

2.99.55 system resource-accounting template

Create resource accounting template

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/system/resource-accounting/template
Element Name	template
Element URI	/axapi/v3/system/resource-accounting/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/template

template attributes

Create List

POST

/axapi/v3/system/resource-accounting/template

template attributes

Get Object

GET

/axapi/v3/system/resource-accounting/template/{name}

template attributes

Get List

GET

/axapi/v3/system/resource-accounting/template

template-list

Modify Object

POST

/axapi/v3/system/resource-accounting/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/template/{name}

template attributes

Replace List

PUT

/axapi/v3/system/resource-accounting/template

template-list

Delete Object

DELETE

/axapi/v3/system/resource-accounting/template/{name}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

app-resources

Description: app-resources is a **JSON Block**. Please see below for *app-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/app-resources*

name

Description Enter template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

network-resources

Description: network-resources is a **JSON Block**. Please see below for *network-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/network-resources*

system-resources

Description: system-resources is a **JSON Block**. Please see below for *system-resources*

Type: Object

Refernce Object: */axapi/v3/system/resource-accounting/template/{name}/system-resources*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-resources

Specification	
Type	*object*

cache-template-cfg

Description: cache-template-cfg is a **JSON Block**. Please see below for *app-resources_cache-template-cfg*

Type: Object

client-ssl-template-cfg

Description: client-ssl-template-cfg is a **JSON Block**. Please see below for *app-resources_client-ssl-template-cfg*

Type: Object

conn-reuse-template-cfg

Description: conn-reuse-template-cfg is a **JSON Block**. Please see below for *app-resources_conn-reuse-template-cfg*

Type: Object

fast-tcp-template-cfg

Description: fast-tcp-template-cfg is a **JSON Block**. Please see below for *app-resources_fast-tcp-template-cfg*

Type: Object

fast-udp-template-cfg

Description: fast-udp-template-cfg is a **JSON Block**. Please see below for *app-resources_fast-udp-template-cfg*

Type: Object

fix-template-cfg

Description: fix-template-cfg is a **JSON Block**. Please see below for *app-resources_fix-template-cfg*

Type: Object

gslb-device-cfg

Description: gslb-device-cfg is a **JSON Block**. Please see below for *app-resources_gslb-device-cfg*

Type: Object

gslb-geo-location-cfg

Description: gslb-geo-location-cfg is a **JSON Block**. Please see below for *app-resources_gslb-geo-location-cfg*

Type: Object

gslb-ip-list-cfg

Description: gslb-ip-list-cfg is a **JSON Block**. Please see below for *app-resources_gslb-ip-list-cfg*

Type: Object

gslb-policy-cfg

Description: gslb-policy-cfg is a **JSON Block**. Please see below for *app-resources_gslb-policy-cfg*

Type: Object

gslb-service-cfg

Description: gslb-service-cfg is a **JSON Block**. Please see below for *app-resources_gslb-service-cfg*

Type: Object

gslb-service-ip-cfg

Description: gslb-service-ip-cfg is a **JSON Block**. Please see below for *app-resources_gslb-service-ip-cfg*

Type: Object

gslb-service-port-cfg

Description: gslb-service-port-cfg is a **JSON Block**. Please see below for *app-resources_gslb-service-port-cfg*

Type: Object

gslb-site-cfg

Description: gslb-site-cfg is a **JSON Block**. Please see below for *app-resources_gslb-site-cfg*

Type: Object

gslb-svc-group-cfg

Description: gslb-svc-group-cfg is a **JSON Block**. Please see below for *app-resources_gslb-svc-group-cfg*

Type: Object

gslb-template-cfg

Description: gslb-template-cfg is a **JSON Block**. Please see below for *app-resources_gslb-template-cfg*

Type: Object

gslb-zone-cfg

Description: gslb-zone-cfg is a **JSON Block**. Please see below for *app-resources_gslb-zone-cfg*

Type: Object

health-monitor-cfg

Description: health-monitor-cfg is a **JSON Block**. Please see below for *app-resources_health-monitor-cfg*

Type: Object

http-template-cfg

Description: http-template-cfg is a **JSON Block**. Please see below for *app-resources_http-template-cfg*

Type: Object

link-cost-template-cfg

Description: link-cost-template-cfg is a **JSON Block**. Please see below for *app-resources_link-cost-template-cfg*

Type: Object

persist-cookie-template-cfg

Description: persist-cookie-template-cfg is a **JSON Block**. Please see below for *app-resources_persist-cookie-template-cfg*

Type: Object

persist-srcip-template-cfg

Description: persist-srcip-template-cfg is a **JSON Block**. Please see below for *app-resources_persist-srcip-template-cfg*

Type: Object

proxy-template-cfg

Description: proxy-template-cfg is a **JSON Block**. Please see below for *app-resources_proxy-template-cfg*

Type: Object

real-port-cfg

Description: real-port-cfg is a **JSON Block**. Please see below for *app-resources_real-port-cfg*

Type: Object

real-server-cfg

Description: real-server-cfg is a **JSON Block**. Please see below for *app-resources_real-server-cfg*

Type: Object

server-ssl-template-cfg

Description: server-ssl-template-cfg is a **JSON Block**. Please see below for *app-resources_server-ssl-template-cfg*

Type: Object

service-group-cfg

Description: service-group-cfg is a **JSON Block**. Please see below for *app-resources_service-group-cfg*

Type: Object

stream-template-cfg

Description: stream-template-cfg is a **JSON Block**. Please see below for *app-resources_stream-template-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-cfg

Description: virtual-port-cfg is a **JSON Block**. Please see below for *app-resources_virtual-port-cfg*

Type: Object

virtual-server-cfg

Description: virtual-server-cfg is a **JSON Block**. Please see below for *app-resources_virtual-server-cfg*

Type: Object

app-resources_http-template-cfg

Specification	
Type	*object*

http-template-max

Description Enter the number of http-template allowed (http-template count (default is max-value))

Type: number

http-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_server-ssl-template-cfg

Specification	
Type	*object*

server-ssl-template-max

Description Enter the number of server-ssl-template allowed (server-ssl-template count (default is max-value))

Type: number

server-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-template-cfg

Specification	
Type	*object*

gslb-template-max

Description Enter the number of gslb-template allowed (gslb-template count (default is max-value))

Type: number

gslb-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_virtual-server-cfg

Specification	
Type	*object*

virtual-server-max

Description Enter the number of virtual-servers allowed (virtual-server count (default is max-value))

Type: number

virtual-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-service-port-cfg

Specification	
Type	*object*

gslb-service-port-max

Description Enter the number of gslb-service-port allowed (gslb-service-port count (default is max-value))

Type: number

gslb-service-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-site-cfg

Specification	
Type	*object*

gslb-site-max

Description Enter the number of gslb-site allowed (gslb-site count (default is max-value))

Type: number

gslb-site-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_proxy-template-cfg

Specification	
Type	*object*

proxy-template-max

Description Enter the number of proxy-template allowed (server-ssl-template count (default is max-value))

Type: number

proxy-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_real-server-cfg

Specification	
Type	*object*

real-server-max

Description Enter the number of real-servers allowed (real-server count (default is max-value))

Type: number

real-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_link-cost-template-cfg

Specification	
Type	*object*

link-cost-template-max

Description Enter the number of link-cost-template allowed (link-cost-template count (default is max-value))

Type: number

link-cost-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_client-ssl-template-cfg

Specification	
Type	*object*

client-ssl-template-max

Description Enter the number of client-ssl-template allowed (client-ssl-template count (default is max-value))

Type: number

client-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_health-monitor-cfg

Specification	
Type	*object*

health-monitor-max

Description Enter the number of health monitors allowed (health-monitor count (default is max-value))

Type: number

Range: 0-1023

health-monitor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-1023

Default: 0

app-resources_gslb-zone-cfg

Specification	
Type	*object*

gslb-zone-max

Description Enter the number of gslb-zone allowed (gslb-zone count (default is max-value))

Type: number

gslb-zone-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_conn-reuse-template-cfg

Specification	
Type	*object*

conn-reuse-template-max

Description Enter the number of conn-reuse-template allowed (conn-reuse-template count (default is max-value))

Type: number

conn-reuse-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-policy-cfg

Specification	
Type	*object*

gslb-policy-max

Description Enter the number of gslb-policy allowed (gslb-policy count (default is max-value))

Type: number

gslb-policy-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-service-cfg

Specification	
Type	*object*

gslb-service-max

Description Enter the number of gslb-service allowed (gslb-service count (default is max-value)

Type: number

gslb-service-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-geo-location-cfg

Specification	
Type	*object*

gslb-geo-location-max

Description Enter the number of gslb-geo-location allowed (gslb-geo-location count (default is max-value))

Type: number

gslb-geo-location-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_cache-template-cfg

Specification	
Type	*object*

cache-template-max

Description Enter the number of cache-template allowed (cache-template count (default is max-value))

Type: number

cache-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_persist-cookie-template-cfg

Specification	
Type	*object*

persist-cookie-template-max

Description Enter the number of persist-cookie-template allowed (persist-cookie-template count (default is max-value))

Type: number

persist-cookie-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_fix-template-cfg

Specification	
Type	*object*

fix-template-max

Description Enter the number of fix-template allowed (fix-template count (default is max-value))

Type: number

fix-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_fast-tcp-template-cfg

Specification	
Type	*object*

fast-tcp-template-max

Description Enter the number of fast-tcp-template allowed (fast-tcp-template count (default is max-value))

Type: number

fast-tcp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_fast-udp-template-cfg

Specification	
Type	*object*

fast-udp-template-max

Description Enter the number of fast-udp-template allowed (fast-udp-template count (default is max-value))

Type: number

fast-udp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-service-ip-cfg

Specification	
Type	*object*

gslb-service-ip-max

Description Enter the number of gslb-service-ip allowed (gslb-service-ip count (default is max-value))

Type: number

gslb-service-ip-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-svc-group-cfg

Specification	
Type	*object*

gslb-svc-group-max

Description Enter the number of gslb-svc-group allowed (gslb-svc-group count (default is max-value))

Type: number

gslb-svc-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_virtual-port-cfg

Specification	
Type	*object*

virtual-port-max

Description Enter the number of virtual-port allowed (virtual-port count (default is max-value))

Type: number

virtual-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_service-group-cfg

Specification	
Type	*object*

service-group-max

Description Enter the number of service groups allowed (service-group count (default is max-value))

Type: number

service-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-device-cfg

Specification	
Type	*object*

gslb-device-max

Description Enter the number of gslb-device allowed (gslb-device count (default is max-value))

Type: number

gslb-device-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_persist-srcip-template-cfg

Specification	
Type	*object*

persist-srcip-template-max

Description Enter the number of persist-srcip-template allowed (persist-source-ip-template count (default is max-value))

Type: number

persist-srcip-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_stream-template-cfg

Specification	
Type	*object*

stream-template-max

Description Enter the number of stream-template allowed (server-ssl-template count (default is max-value))

Type: number

stream-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_real-port-cfg

Specification	
Type	*object*

real-port-max

Description Enter the number of real-ports allowed (real-port count (default is max-value))

Type: number

real-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-ip-list-cfg

Specification	
Type	*object*

gslb-ip-list-max

Description Enter the number of gslb-ip-list allowed (gslb-ip-list count (default is max-value))

Type: number

gslb-ip-list-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

system-resources

Specification	
Type	*object*

bw-limit-cfg

Description: bw-limit-cfg is a **JSON Block**. Please see below for *system-resources_bw-limit-cfg*

Type: Object

concurrent-session-limit-cfg

Description: concurrent-session-limit-cfg is a **JSON Block**. Please see below for *system-resources_concurrent-session-limit-cfg*

Type: Object

fwcps-limit-cfg

Description: fwcps-limit-cfg is a **JSON Block**. Please see below for *system-resources_fwcps-limit-cfg*

Type: Object

l4-session-limit-cfg

Description: l4-session-limit-cfg is a **JSON Block**. Please see below for *system-resources_l4-session-limit-cfg*

Type: Object

l4cps-limit-cfg

Description: l4cps-limit-cfg is a **JSON Block**. Please see below for *system-resources_l4cps-limit-cfg*

Type: Object

l7cps-limit-cfg

Description: l7cps-limit-cfg is a **JSON Block**. Please see below for *system-resources_l7cps-limit-cfg*

Type: Object

natcps-limit-cfg

Description: natcps-limit-cfg is a **JSON Block**. Please see below for *system-resources_natcps-limit-cfg*

Type: Object

ssl-throughput-limit-cfg

Description: ssl-throughput-limit-cfg is a **JSON Block**. Please see below for *system-resources_ssl-throughput-limit-cfg*

Type: Object

sslcps-limit-cfg

Description: sslcps-limit-cfg is a **JSON Block**. Please see below for *system-resources_sslcps-limit-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system-resources_l4-session-limit-cfg

Specification	
Type	*object*

l4-session-limit-max

Description Enter the l4 session limit in % (0.01% to 99.99%) (Enter a number from 0.01 to 99.99 (up to 2 digits precision))

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

l4-session-limit-min-guarantee

Description minimum guaranteed value in % (up to 2 digits precision) (Enter a number from 0.01 to 99.99)

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

Default: 0

system-resources_l7cps-limit-cfg

Specification	
Type	*object*

l7cps-limit-max

Description L7cps-limit (L7 cps limit (no limits applied by default))

Type: number

Range: 100-300000

system-resources_l4cps-limit-cfg

Specification	
Type	*object*

l4cps-limit-max

Description Enter the L4 cps limit (L4 cps limit (no limits applied by default))

Type: number

Range: 100-1000000

system-resources_natcps-limit-cfg

Specification	
Type	*object*

natcps-limit-max

Description Enter the Nat cps limit (NAT cps limit (no limits applied by default))

Type: number

Range: 100-1000000

system-resources_sslcps-limit-cfg

Specification	
Type	*object*

sslcps-limit-max

Description Enter the SSL cps limit (SSL cps limit (no limits applied by default))

Type: number

Range: 100-300000

system-resources_fwcps-limit-cfg

Specification	
Type	*object*

fwcps-limit-max

Description Enter the Firewall cps limit (Firewall cps limit (no limits applied by default))

Type: number

Range: 100-1000000

system-resources_ssl-throughput-limit-cfg

Specification	
Type	*object*

ssl-throughput-limit-max

Description Enter the ssl throughput limit in mbps (SSL Througput limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

ssl-throughput-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-resources_bw-limit-cfg

Specification	
Type	*object*

bw-limit-max

Description Enter the bandwidth limit in mbps (Bandwidth limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

bw-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-resources_concurrent-session-limit-cfg

Specification	
Type	*object*

concurrent-session-limit-max

Description Enter the Concurrent Session limit (cps) (Concurrent-Session cps limit (no limits applied by default))

Type: number

network-resources

Specification	
Type	*object*

ipv4-acl-line-cfg

Description: ipv4-acl-line-cfg is a **JSON Block**. Please see below for *network-resources_ipv4-acl-line-cfg*

Type: Object

ipv6-acl-line-cfg

Description: ipv6-acl-line-cfg is a **JSON Block**. Please see below for *network-resources_ipv6-acl-line-cfg*

Type: Object

object-group-cfg

Description: object-group-cfg is a **JSON Block**. Please see below for *network-resources_object-group-cfg*

Type: Object

object-group-clause-cfg

Description: object-group-clause-cfg is a **JSON Block**. Please see below for *network-resources_object-group-clause-cfg*

Type: Object

static-arp-cfg

Description: static-arp-cfg is a **JSON Block**. Please see below for *network-resources_static-arp-cfg*

Type: Object

static-ipv4-route-cfg

Description: static-ipv4-route-cfg is a **JSON Block**. Please see below for *network-resources_static-ipv4-route-cfg*

Type: Object

static-ipv6-route-cfg

Description: static-ipv6-route-cfg is a **JSON Block**. Please see below for *network-resources_static-ipv6-route-cfg*

Type: Object

static-mac-cfg

Description: static-mac-cfg is a **JSON Block**. Please see below for *network-resources_static-mac-cfg*

Type: Object

static-neighbor-cfg

Description: static-neighbor-cfg is a **JSON Block**. Please see below for *network-resources_static-neighbor-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network-resources_static-ipv6-route-cfg

Specification	
Type	*object*

static-ipv6-route-max

Description Enter the number of static ipv6 routes allowed (Static ipv6 routes (default is max-value))

Type: number

static-ipv6-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

network-resources_object-group-clause-cfg

Specification	
Type	*object*

object-group-clause-max

Description Enter the number of object group clauses allowed (Object group clauses (default is max-value))

Type: number

Range: 0-8192000

object-group-clause-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8192000

Default: 0

network-resources_static-ipv4-route-cfg

Specification	
Type	*object*

static-ipv4-route-max

Description Enter the number of static ipv4 routes allowed (Static ipv4 routes (default is max-value))

Type: number

static-ipv4-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

network-resources_static-arp-cfg

Specification	
Type	*object*

static-arp-max

Description Enter the number of static arp entries allowed (Static arp (default is max-value))

Type: number

Range: 0-128

static-arp-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

network-resources_ipv4-acl-line-cfg

Specification	
Type	*object*

ipv4-acl-line-max

Description Enter the number of ACL lines allowed (IPV4 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv4-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

network-resources_static-mac-cfg

Specification	
Type	*object*

static-mac-max

Description Enter the number of static MAC entries allowed (Static MACs (default is max-value))

Type: number

Range: 0-500

static-mac-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-500

Default: 0

network-resources_ipv6-acl-line-cfg

Specification	
Type	*object*

ipv6-acl-line-max

Description Enter the number of ACL lines allowed (IPV6 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv6-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

network-resources_static-neighbor-cfg

Specification	
Type	*object*

static-neighbor-max

Description Enter the number of static neighbor entries allowed (Static neighbors (default is max-value))

Type: number

Range: 0-128

static-neighbor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

network-resources_object-group-cfg

Specification	
Type	*object*

object-group-max

Description Enter the number of object groups allowed (Object group (default is max-value))

Type: number

Range: 0-8000

object-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8000

Default: 0

2.99.56 system resource-accounting template app-resources

Enter the application resource limits

app-resources Specification

Type	*Configuration Resource*
Element Name	app-resources
Element URI	/axapi/v3/system/resource-accounting/template/{name}/app-resources
Element Attributes	app-resources_attributes
Schema	`app-resources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/template/{name}/app-resources

app-resources attributes

Get Object

GET

/axapi/v3/system/resource-accounting/template/{name}/app-resources

app-resources attributes

Modify Object

POST

/axapi/v3/system/resource-accounting/template/{name}/app-resources

app-resources attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/template/{name}/app-resources

app-resources attributes

app-resources attributes

cache-template-cfg

Description: cache-template-cfg is a **JSON Block**. Please see below for *cache-template-cfg*

Type: Object

client-ssl-template-cfg

Description: client-ssl-template-cfg is a **JSON Block**. Please see below for *client-ssl-template-cfg*

Type: Object

conn-reuse-template-cfg

Description: conn-reuse-template-cfg is a **JSON Block**. Please see below for *conn-reuse-template-cfg*

Type: Object

fast-tcp-template-cfg

Description: fast-tcp-template-cfg is a **JSON Block**. Please see below for *fast-tcp-template-cfg*

Type: Object

fast-udp-template-cfg

Description: fast-udp-template-cfg is a **JSON Block**. Please see below for *fast-udp-template-cfg*

Type: Object

fix-template-cfg

Description: fix-template-cfg is a **JSON Block**. Please see below for *fix-template-cfg*

Type: Object

gslb-device-cfg

Description: gslb-device-cfg is a **JSON Block**. Please see below for *gslb-device-cfg*

Type: Object

gslb-geo-location-cfg

Description: gslb-geo-location-cfg is a **JSON Block**. Please see below for *gslb-geo-location-cfg*

Type: Object

gslb-ip-list-cfg

Description: gslb-ip-list-cfg is a **JSON Block**. Please see below for *gslb-ip-list-cfg*

Type: Object

gslb-policy-cfg

Description: gslb-policy-cfg is a **JSON Block**. Please see below for *gslb-policy-cfg*

Type: Object

gslb-service-cfg

Description: gslb-service-cfg is a **JSON Block**. Please see below for *gslb-service-cfg*

Type: Object

gslb-service-ip-cfg

Description: gslb-service-ip-cfg is a **JSON Block**. Please see below for *gslb-service-ip-cfg*

Type: Object

gslb-service-port-cfg

Description: gslb-service-port-cfg is a **JSON Block**. Please see below for *gslb-service-port-cfg*

Type: Object

gslb-site-cfg

Description: gslb-site-cfg is a **JSON Block**. Please see below for *gslb-site-cfg*

Type: Object

gslb-svc-group-cfg

Description: gslb-svc-group-cfg is a **JSON Block**. Please see below for *gslb-svc-group-cfg*

Type: Object

gslb-template-cfg

Description: gslb-template-cfg is a **JSON Block**. Please see below for *gslb-template-cfg*

Type: Object

gslb-zone-cfg

Description: gslb-zone-cfg is a **JSON Block**. Please see below for *gslb-zone-cfg*

Type: Object

health-monitor-cfg

Description: health-monitor-cfg is a **JSON Block**. Please see below for *health-monitor-cfg*

Type: Object

http-template-cfg

Description: http-template-cfg is a **JSON Block**. Please see below for *http-template-cfg*

Type: Object

link-cost-template-cfg

Description: link-cost-template-cfg is a **JSON Block**. Please see below for *link-cost-template-cfg*

Type: Object

persist-cookie-template-cfg

Description: persist-cookie-template-cfg is a **JSON Block**. Please see below for *persist-cookie-template-cfg*

Type: Object

persist-srcip-template-cfg

Description: persist-srcip-template-cfg is a **JSON Block**. Please see below for *persist-srcip-template-cfg*

Type: Object

proxy-template-cfg

Description: proxy-template-cfg is a **JSON Block**. Please see below for *proxy-template-cfg*

Type: Object

real-port-cfg

Description: real-port-cfg is a **JSON Block**. Please see below for *real-port-cfg*

Type: Object

real-server-cfg

Description: real-server-cfg is a **JSON Block**. Please see below for *real-server-cfg*

Type: Object

server-ssl-template-cfg

Description: server-ssl-template-cfg is a **JSON Block**. Please see below for *server-ssl-template-cfg*

Type: Object

service-group-cfg

Description: service-group-cfg is a **JSON Block**. Please see below for *service-group-cfg*

Type: Object

stream-template-cfg

Description: stream-template-cfg is a **JSON Block**. Please see below for *stream-template-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-cfg

Description: virtual-port-cfg is a **JSON Block**. Please see below for *virtual-port-cfg*

Type: Object

virtual-server-cfg

Description: virtual-server-cfg is a **JSON Block**. Please see below for *virtual-server-cfg*

Type: Object

http-template-cfg

Specification	
Type	*object*

http-template-max

Description Enter the number of http-template allowed (http-template count (default is max-value))

Type: number

http-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

server-ssl-template-cfg

Specification	
Type	*object*

server-ssl-template-max

Description Enter the number of server-ssl-template allowed (server-ssl-template count (default is max-value))

Type: number

server-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-template-cfg

Specification	
Type	*object*

gslb-template-max

Description Enter the number of gslb-template allowed (gslb-template count (default is max-value))

Type: number

gslb-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

virtual-server-cfg

Specification	
Type	*object*

virtual-server-max

Description Enter the number of virtual-servers allowed (virtual-server count (default is max-value))

Type: number

virtual-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-service-port-cfg

Specification	
Type	*object*

gslb-service-port-max

Description Enter the number of gslb-service-port allowed (gslb-service-port count (default is max-value))

Type: number

gslb-service-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-site-cfg

Specification	
Type	*object*

gslb-site-max

Description Enter the number of gslb-site allowed (gslb-site count (default is max-value))

Type: number

gslb-site-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

proxy-template-cfg

Specification	
Type	*object*

proxy-template-max

Description Enter the number of proxy-template allowed (server-ssl-template count (default is max-value))

Type: number

proxy-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

real-server-cfg

Specification	
Type	*object*

real-server-max

Description Enter the number of real-servers allowed (real-server count (default is max-value))

Type: number

real-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

link-cost-template-cfg

Specification	
Type	*object*

link-cost-template-max

Description Enter the number of link-cost-template allowed (link-cost-template count (default is max-value))

Type: number

link-cost-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

client-ssl-template-cfg

Specification	
Type	*object*

client-ssl-template-max

Description Enter the number of client-ssl-template allowed (client-ssl-template count (default is max-value))

Type: number

client-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

health-monitor-cfg

Specification	
Type	*object*

health-monitor-max

Description Enter the number of health monitors allowed (health-monitor count (default is max-value))

Type: number

Range: 0-1023

health-monitor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-1023

Default: 0

gslb-zone-cfg

Specification	
Type	*object*

gslb-zone-max

Description Enter the number of gslb-zone allowed (gslb-zone count (default is max-value))

Type: number

gslb-zone-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

conn-reuse-template-cfg

Specification	
Type	*object*

conn-reuse-template-max

Description Enter the number of conn-reuse-template allowed (conn-reuse-template count (default is max-value))

Type: number

conn-reuse-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-policy-cfg

Specification	
Type	*object*

gslb-policy-max

Description Enter the number of gslb-policy allowed (gslb-policy count (default is max-value))

Type: number

gslb-policy-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-service-cfg

Specification	
Type	*object*

gslb-service-max

Description Enter the number of gslb-service allowed (gslb-service count (default is max-value)

Type: number

gslb-service-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-geo-location-cfg

Specification	
Type	*object*

gslb-geo-location-max

Description Enter the number of gslb-geo-location allowed (gslb-geo-location count (default is max-value))

Type: number

gslb-geo-location-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

cache-template-cfg

Specification	
Type	*object*

cache-template-max

Description Enter the number of cache-template allowed (cache-template count (default is max-value))

Type: number

cache-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

persist-cookie-template-cfg

Specification	
Type	*object*

persist-cookie-template-max

Description Enter the number of persist-cookie-template allowed (persist-cookie-template count (default is max-value))

Type: number

persist-cookie-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

fix-template-cfg

Specification	
Type	*object*

fix-template-max

Description Enter the number of fix-template allowed (fix-template count (default is max-value))

Type: number

fix-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

fast-tcp-template-cfg

Specification	
Type	*object*

fast-tcp-template-max

Description Enter the number of fast-tcp-template allowed (fast-tcp-template count (default is max-value))

Type: number

fast-tcp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

fast-udp-template-cfg

Specification	
Type	*object*

fast-udp-template-max

Description Enter the number of fast-udp-template allowed (fast-udp-template count (default is max-value))

Type: number

fast-udp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-service-ip-cfg

Specification	
Type	*object*

gslb-service-ip-max

Description Enter the number of gslb-service-ip allowed (gslb-service-ip count (default is max-value))

Type: number

gslb-service-ip-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-svc-group-cfg

Specification	
Type	*object*

gslb-svc-group-max

Description Enter the number of gslb-svc-group allowed (gslb-svc-group count (default is max-value))

Type: number

gslb-svc-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

virtual-port-cfg

Specification	
Type	*object*

virtual-port-max

Description Enter the number of virtual-port allowed (virtual-port count (default is max-value))

Type: number

virtual-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

service-group-cfg

Specification	
Type	*object*

service-group-max

Description Enter the number of service groups allowed (service-group count (default is max-value))

Type: number

service-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-device-cfg

Specification	
Type	*object*

gslb-device-max

Description Enter the number of gslb-device allowed (gslb-device count (default is max-value))

Type: number

gslb-device-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

persist-srcip-template-cfg

Specification	
Type	*object*

persist-srcip-template-max

Description Enter the number of persist-srcip-template allowed (persist-source-ip-template count (default is max-value))

Type: number

persist-srcip-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

stream-template-cfg

Specification	
Type	*object*

stream-template-max

Description Enter the number of stream-template allowed (server-ssl-template count (default is max-value))

Type: number

stream-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

real-port-cfg

Specification	
Type	*object*

real-port-max

Description Enter the number of real-ports allowed (real-port count (default is max-value))

Type: number

real-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-ip-list-cfg

Specification	
Type	*object*

gslb-ip-list-max

Description Enter the number of gslb-ip-list allowed (gslb-ip-list count (default is max-value))

Type: number

gslb-ip-list-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

2.99.57 system resource-accounting template network-resources

Enter the network resource limits

network-resources Specification

Type	*Configuration Resource*
Element Name	network-resources
Element URI	/axapi/v3/system/resource-accounting/template/{name}/network-resources
Element Attributes	network-resources_attributes
Schema	`network-resources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/template/{name}/network-resources

network-resources attributes

Get Object

GET

/axapi/v3/system/resource-accounting/template/{name}/network-resources

network-resources attributes

Modify Object

POST

/axapi/v3/system/resource-accounting/template/{name}/network-resources

network-resources attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/template/{name}/network-resources

network-resources attributes

network-resources attributes

ipv4-acl-line-cfg

Description: ipv4-acl-line-cfg is a **JSON Block**. Please see below for *ipv4-acl-line-cfg*

Type: Object

ipv6-acl-line-cfg

Description: ipv6-acl-line-cfg is a **JSON Block**. Please see below for *ipv6-acl-line-cfg*

Type: Object

object-group-cfg

Description: object-group-cfg is a **JSON Block**. Please see below for *object-group-cfg*

Type: Object

object-group-clause-cfg

Description: object-group-clause-cfg is a **JSON Block**. Please see below for *object-group-clause-cfg*

Type: Object

static-arp-cfg

Description: static-arp-cfg is a **JSON Block**. Please see below for *static-arp-cfg*

Type: Object

static-ipv4-route-cfg

Description: static-ipv4-route-cfg is a **JSON Block**. Please see below for *static-ipv4-route-cfg*

Type: Object

static-ipv6-route-cfg

Description: static-ipv6-route-cfg is a **JSON Block**. Please see below for *static-ipv6-route-cfg*

Type: Object

static-mac-cfg

Description: static-mac-cfg is a **JSON Block**. Please see below for *static-mac-cfg*

Type: Object

static-neighbor-cfg

Description: static-neighbor-cfg is a **JSON Block**. Please see below for *static-neighbor-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-ipv6-route-cfg

Specification	
Type	*object*

static-ipv6-route-max

Description Enter the number of static ipv6 routes allowed (Static ipv6 routes (default is max-value))

Type: number

static-ipv6-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

object-group-clause-cfg

Specification	
Type	*object*

object-group-clause-max

Description Enter the number of object group clauses allowed (Object group clauses (default is max-value))

Type: number

Range: 0-8192000

object-group-clause-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8192000

Default: 0

static-ipv4-route-cfg

Specification	
Type	*object*

static-ipv4-route-max

Description Enter the number of static ipv4 routes allowed (Static ipv4 routes (default is max-value))

Type: number

static-ipv4-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

static-arp-cfg

Specification	
Type	*object*

static-arp-max

Description Enter the number of static arp entries allowed (Static arp (default is max-value))

Type: number

Range: 0-128

static-arp-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

ipv4-acl-line-cfg

Specification	
Type	*object*

ipv4-acl-line-max

Description Enter the number of ACL lines allowed (IPV4 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv4-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

static-mac-cfg

Specification	
Type	*object*

static-mac-max

Description Enter the number of static MAC entries allowed (Static MACs (default is max-value))

Type: number

Range: 0-500

static-mac-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-500

Default: 0

ipv6-acl-line-cfg

Specification	
Type	*object*

ipv6-acl-line-max

Description Enter the number of ACL lines allowed (IPV6 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv6-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

static-neighbor-cfg

Specification	
Type	*object*

static-neighbor-max

Description Enter the number of static neighbor entries allowed (Static neighbors (default is max-value))

Type: number

Range: 0-128

static-neighbor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

object-group-cfg

Specification	
Type	*object*

object-group-max

Description Enter the number of object groups allowed (Object group (default is max-value))

Type: number

Range: 0-8000

object-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8000

Default: 0

2.99.58 system resource-accounting template system-resources

Enter the system resource limits

system-resources Specification

Type	*Configuration Resource*
Element Name	system-resources
Element URI	/axapi/v3/system/resource-accounting/template/{name}/system-resources
Element Attributes	system-resources_attributes
Schema	`system-resources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/template/{name}/system-resources

system-resources attributes

Get Object

GET

/axapi/v3/system/resource-accounting/template/{name}/system-resources

system-resources attributes

Modify Object

POST

/axapi/v3/system/resource-accounting/template/{name}/system-resources

system-resources attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/template/{name}/system-resources

system-resources attributes

system-resources attributes

bw-limit-cfg

Description: bw-limit-cfg is a **JSON Block**. Please see below for *bw-limit-cfg*

Type: Object

concurrent-session-limit-cfg

Description: concurrent-session-limit-cfg is a **JSON Block**. Please see below for *concurrent-session-limit-cfg*

Type: Object

fwcps-limit-cfg

Description: fwcps-limit-cfg is a **JSON Block**. Please see below for *fwcps-limit-cfg*

Type: Object

l4-session-limit-cfg

Description: l4-session-limit-cfg is a **JSON Block**. Please see below for *l4-session-limit-cfg*

Type: Object

l4cps-limit-cfg

Description: l4cps-limit-cfg is a **JSON Block**. Please see below for *l4cps-limit-cfg*

Type: Object

l7cps-limit-cfg

Description: l7cps-limit-cfg is a **JSON Block**. Please see below for *l7cps-limit-cfg*

Type: Object

natcps-limit-cfg

Description: natcps-limit-cfg is a **JSON Block**. Please see below for *natcps-limit-cfg*

Type: Object

ssl-throughput-limit-cfg

Description: ssl-throughput-limit-cfg is a **JSON Block**. Please see below for *ssl-throughput-limit-cfg*

Type: Object

sslcps-limit-cfg

Description: sslcps-limit-cfg is a **JSON Block**. Please see below for *sslcps-limit-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4-session-limit-cfg

Specification	
Type	*object*

l4-session-limit-max

Description Enter the l4 session limit in % (0.01% to 99.99%) (Enter a number from 0.01 to 99.99 (up to 2 digits precision))

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

l4-session-limit-min-guarantee

Description minimum guaranteed value in % (up to 2 digits precision) (Enter a number from 0.01 to 99.99)

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

Default: 0

l7cps-limit-cfg

Specification	
Type	*object*

l7cps-limit-max

Description L7cps-limit (L7 cps limit (no limits applied by default))

Type: number

Range: 100-300000

l4cps-limit-cfg

Specification	
Type	*object*

l4cps-limit-max

Description Enter the L4 cps limit (L4 cps limit (no limits applied by default))

Type: number

Range: 100-1000000

natcps-limit-cfg

Specification	
Type	*object*

natcps-limit-max

Description Enter the Nat cps limit (NAT cps limit (no limits applied by default))

Type: number

Range: 100-1000000

sslcps-limit-cfg

Specification	
Type	*object*

sslcps-limit-max

Description Enter the SSL cps limit (SSL cps limit (no limits applied by default))

Type: number

Range: 100-300000

fwcps-limit-cfg

Specification	
Type	*object*

fwcps-limit-max

Description Enter the Firewall cps limit (Firewall cps limit (no limits applied by default))

Type: number

Range: 100-1000000

ssl-throughput-limit-cfg

Specification	
Type	*object*

ssl-throughput-limit-max

Description Enter the ssl throughput limit in mbps (SSL Througput limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

ssl-throughput-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-limit-cfg

Specification	
Type	*object*

bw-limit-max

Description Enter the bandwidth limit in mbps (Bandwidth limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

bw-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent-session-limit-cfg

Specification	
Type	*object*

concurrent-session-limit-max

Description Enter the Concurrent Session limit (cps) (Concurrent-Session cps limit (no limits applied by default))

Type: number

2.99.59 system resource-usage

Configure System Resource Usage

resource-usage Specification

Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/system/resource-usage
Element Attributes	resource-usage_attributes
Operational Data URI	/axapi/v3/system/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-usage

resource-usage attributes

```
POST /axapi/v3/system/resource-usage
Payload:
{
    "resource-usage": {
        "nat-pool-addr-count": 1,
        "visibility": {
            "monitored-entity-count": 1
        },
        "l4-session-count": 262144
    }
}
```

Get Object

GET

/axapi/v3/system/resource-usage

resource-usage attributes

Modify Object

POST

/axapi/v3/system/resource-usage

resource-usage attributes

Replace Object

PUT

/axapi/v3/system/resource-usage

resource-usage attributes

Delete Object

DELETE

/axapi/v3/system/resource-usage

resource-usage attributes

resource-usage attributes

aflex-table-entry-count

Description Total aFleX table entry in the system (Total aFlex entry in the system)

Type: number

auth-portal-html-file-size

Description Specify maximum html file size for each html page in auth portal (in KB)

Type: number

Range: 4-120

Default: 20

auth-portal-image-file-size

Description Specify maximum image file size for default portal (in KB)

Type: number

Range: 1-80

Default: 6

auth-session-count

Description Total auth sessions in the system

Type: number

authz-policy-number

Description Specify the maximum number of authorization policies

Type: number

class-list-ac-entry-count

Description Total entries for AC class-list

Type: number

class-list-entry-count

Description Total entries for class-list

Type: number

class-list-ipv6-addr-count

Description Total IPv6 addresses for class-list

Type: number

ipsec-sa-number

Description Specify the maximum number of IPsec SA

Type: number

l4-session-count

Description Total Sessions in the System

Type: number

max-aflex-authz-collection-number

Description Specify the maximum number of collections supported by aFleX authorization

Type: number

Range: 256-4096

Default: 512

max-aflex-file-size

Description Set maximum aFleX file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-256

Default: 32

nat-pool-addr-count

Description Total configurable NAT Pool addresses in the System

Type: number

radius-table-size

Description Total configurable CGNV6 RADIUS Table entries

Type: number

ram-cache-memory-limit

Description Specify the maximum memory used by ram cache

Type: number

ssl-context-memory

Description Total SSL context memory needed in units of MB. Will be rounded to closest multiple of 2MB

Type: number

Range: 256-16384

Default: 2048

ssl-dma-memory

Description Total SSL DMA memory needed in units of MB. Will be rounded to closest multiple of 2MB

Type: number

Range: 32-2048

Default: 256

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

visibility

Description: visibility is a **JSON Block**. Please see below for *visibility*

Type: Object

Refernce Object: */axapi/v3/system/resource-usage/visibility*

waf-template-count

Description Total configurable WAF Templates in the System

Type: number

visibility

Specification	
Type	*object*

monitored-entity-count

Description Total number of monitored entities for visibility

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	visibility-mon-entity-default	number	visibility-mon-entity-default
	nat-pool-addr-min	number	nat-pool-addr-min

continues on next page

Table 2.65 – continued from previous page

	Counter	Size	Description
	class-list-ipv6-addr-min	number	class-list-ipv6-addr-min
	ipsec-sa-number-min	number	ipsec-sa-number-min
	radius-table-size-default	number	radius-table-size-default
	auth-portal-image-file-size-default	number	auth-portal-image-file-size-default
	auth-portal-html-file-size-max	number	auth-portal-html-file-size-max
	aflex-table-entry-count-min	number	aflex-table-entry-count-min
	aflex-table-entry-count-max	number	aflex-table-entry-count-max
	visibility-mon-entity-min	number	visibility-mon-entity-min
	authz-policy-number-default	number	authz-policy-number-default
	ram-cache-memory-limit-default	number	ram-cache-memory-limit-default
	aflex-table-entry-count-default	number	aflex-table-entry-count-default
	waf-template-min	number	waf-template-min
	l4-session-count-max	number	l4-session-count-max
	aflex-file-size-default	number	aflex-file-size-default
	l4-session-count-default	number	l4-session-count-default
	ipsec-sa-number-default	number	ipsec-sa-number-default
	aflex-authz-collection-number-min	number	aflex-authz-collection-number-min
	radius-table-size-min	number	radius-table-size-min
	nat-pool-addr-default	number	nat-pool-addr-default

continues on next page

Table 2.65 – continued from previous page

	Counter	Size	Description
	radius-table-size-max	number	radius-table-size-max
	class-list-ac-max	number	class-list-ac-max
	auth-session-count-min	number	auth-session-count-min
	ram-cache-memory-limit-max	number	ram-cache-memory-limit-max
	visibility-mon-entity-max	number	visibility-mon-entity-max
	aflex-file-size-min	number	aflex-file-size-min
	l4-session-count-min	number	l4-session-count-min
	auth-portal-image-file-size-min	number	auth-portal-image-file-size-min
	class-list-entry-min	number	class-list-entry-min
	class-list-entry-max	number	class-list-entry-max
	auth-session-count-default	number	auth-session-count-default
	class-list-ipv6-addr-max	number	class-list-ipv6-addr-max
	class-list-ipv6-addr-default	number	class-list-ipv6-addr-default
	ipsec-sa-number-max	number	ipsec-sa-number-max
	aflex-authz-collection-number-default	number	aflex-authz-collection-number-default
	ram-cache-memory-limit-min	number	ram-cache-memory-limit-min
	authz-policy-number-max	number	authz-policy-number-max
	authz-policy-number-min	number	authz-policy-number-min
	class-list-ac-min	number	class-list-ac-min
	aflex-file-size-max	number	aflex-file-size-max

continues on next page

Table 2.65 – continued from previous page

	Counter	Size	Description
	auth-portal-html-file-size-default	number	auth-portal-html-file-size-default
	waf-template-max	number	waf-template-max
	auth-session-count-max	number	auth-session-count-max
	auth-portal-image-file-size-max	number	auth-portal-image-file-size-max
	nat-pool-addr-max	number	nat-pool-addr-max
	aflex-authz-collection-number-max	number	aflex-authz-collection-number-max
	auth-portal-html-file-size-min	number	auth-portal-html-file-size-min
	waf-template-default	number	waf-template-default
	class-list-entry-default	number	class-list-entry-default
	class-list-ac-default	number	class-list-ac-default

2.99.60 system resource-usage visibility

Configure System Resource Usage for visibility

visibility Specification

Type	*Configuration Resource*
Element Name	visibility
Element URI	/axapi/v3/system/resource-usage/visibility
Element Attributes	visibility_attributes
Schema	`visibility schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-usage/visibility

visibility attributes

Get Object

GET

/axapi/v3/system/resource-usage/visibility

visibility attributes

Modify Object

POST

/axapi/v3/system/resource-usage/visibility

visibility attributes

Replace Object

PUT

/axapi/v3/system/resource-usage/visibility

visibility attributes

Delete Object

DELETE

/axapi/v3/system/resource-usage/visibility

visibility attributes

visibility attributes

monitored-entity-count

Description Total number of monitored entities for visibility

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.61 system session

Session Entries

session Specification

Type	*Configuration Resource*
Element Name	session
Element URI	/axapi/v3/system/session
Element Attributes	session_attributes
Statistics Data URI	/axapi/v3/system/session/stats
Schema	`session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/session

session attributes

```
POST /axapi/v3/system/session
Payload:
{
    "session": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/session

session attributes

```
GET /axapi/v3/system/session
Reponse:
{
    "session": {
        "uuid": "336ca15a-693a-11e7-9047-2585502fb663",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/session"
    }
}
```

Modify Object

POST

/axapi/v3/system/session

session attributes

Replace Object

PUT

/axapi/v3/system/session

session attributes

```
PUT /axapi/v3/system/session
Payload:
{
    "session": {
        "sampling-enable": [
            {
                "counters1": "total_l4_conn"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/session

session attributes

```
DELETE /axapi/v3/system/session
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

session attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_l4_conn': Total L4 Count; 'conn_counter': Conn Count; 'conn_freed_counter': Conn Freed; 'total_l4_packet_count': Total L4 Packet Count; 'total_l7_packet_count': Total L7 Packet Count; 'total_l4_conn_proxy': Total L4 Conn Proxy Count; 'total_l7_conn': Total L7 Conn; 'total_tcp_conn': Total TCP Conn; 'curr_free_conn': Curr Free Conn; 'tcp_est_counter': TCP Established; 'tcp_half_open_counter': TCP Half Open; 'tcp_half_close_counter': TCP Half Closed; 'udp_counter': UDP Count; 'ip_counter': IP Count; 'other_counter': Non TCP/UDP IP sessions; 'reverse_nat_tcp_ounter': Reverse NAT TCP; 'reverse_nat_udp_ounter': Reverse NAT UDP; 'tcp_syn_half_open_counter': TCP SYN Half Open; 'conn_smp_alloc_counter': Conn SMP Alloc; 'conn_smp_free_counter': Conn SMP Free; 'conn_smp_aged_counter': Conn SMP Aged; 'ssl_count_curr': Curr SSL Count; 'ssl_count_total': Total SSL Count; 'server_ssl_count_curr': Current SSL Server Count; 'server_ssl_count_total': Total SSL Server Count; 'client_ssl_reuse_total': Total SSL Client Reuse; 'server_ssl_reuse_total': Total SSL Server Reuse; 'ssl_failed_total': Total SSL Failures; 'ssl_failed_ca_verification': SSL Cert Auth Verification Errors; 'ssl_server_cert_error': SSL Server Cert Errors; 'ssl_client_cert_auth_fail': SSL Client Cert Auth Failures; 'total_ip_nat_donn': Total IP Nat Conn; 'total_l2l3_conn': Totl L2/L3 Connections; 'client_ssl_ctx_malloc_failure': Client SSL Ctx malloc Failures; 'conn_type_0_available': Conn Type 0 Available; 'conn_type_1_available': Conn Type 1 Available; 'conn_type_2_available': Conn Type 2 Available; 'conn_type_3_available': Conn Type 3 Available; 'conn_type_4_available': Conn Type 4 Available; 'conn_smp_type_0_available': Conn SMP Type 0 Available; 'conn_smp_type_1_available': Conn SMP Type 1 Available; 'conn_smp_type_2_available': Conn SMP Type 2 Available; 'conn_smp_type_3_available': Conn SMP Type 3 Available; 'conn_smp_type_4_available': Conn SMP Type 4 Available; 'sctp-half-open-counter': SCTP Half Open; 'sctp-est-counter': SCTP Established; 'nonssl_bypass': NON SSL Bypass Count; 'ssl_failsafe_total': Total SSL Failsafe Count; 'ssl_forward_proxy_failed_handshake_total': Total SSL Forward Proxy Failed Handshake Count; 'ssl_forward_proxy_failed_tcp_total': Total SSL Forward Proxy Failed TCP Count; 'ssl_forward_proxy_failed_crypto_total': Total SSL Forward Proxy Failed Crypto Count; 'ssl_forward_proxy_failed_cert_verify_total': Total SSL Forward Proxy Failed Certificate Verification Count; 'ssl_forward_proxy_invalid_ocsp_stapling_total': Total SSL Forward Proxy Invalid OCSP Stapling Count; 'ssl_forward_proxy_revoked_ocsp_total': Total SSL Forward Proxy Revoked OCSP Response Count; 'ssl_forward_proxy_failed_cert_signing_total': Total SSL Forward Proxy Failed Certificate Signing Count; 'ssl_forward_proxy_failed_ssl_version_total': Total SSL Forward Proxy Unsupported version Count; 'ssl_forward_proxy_sni_bypass_total': Total SSL Forward Proxy SNI Bypass Count; 'ssl_forward_proxy_client_auth_bypass_total': Total SSL Forward Proxy Client Auth Bypass Count; 'conn_app_smp_alloc_counter': Conn APP SMP Alloc;

Type: string

Supported Values: all, total_l4_conn, conn_counter, conn_freed_counter, total_l4_packet_count, total_l7_packet_count, total_l4_conn_proxy, total_l7_conn, total_tcp_conn, curr_free_conn, tcp_est_counter, tcp_half_open_counter, tcp_half_close_counter, udp_counter, ip_counter, other_counter, reverse_nat_tcp_counter, reverse_nat_udp_counter, tcp_syn_half_open_counter, conn_smp_alloc_counter,

conn_smp_free_counter, conn_smp_aged_counter, ssl_count_curr, ssl_count_total, server_ssl_count_curr, server_ssl_count_total, client_ssl_reuse_total, server_ssl_reuse_total, ssl_failed_total, ssl_failed_ca_verification, ssl_server_cert_error, ssl_client_cert_auth_fail, total_ip_nat_conn, total_l2l3_conn, client_ssl_ctx_malloc_failure, conn_type_0_available, conn_type_1_available, conn_type_2_available, conn_type_3_available, conn_type_4_available, conn_smp_type_0_available, conn_smp_type_1_available, conn_smp_type_2_available, conn_smp_type_3_available, conn_smp_type_4_available, sctp-half-open-counter, sctp-est-counter, nonssl_bypass, ssl_failsafe_total, ssl_forward_proxy_failed_handshake_total, ssl_forward_proxy_failed_tcp_total, ssl_forward_proxy_failed_crypto_total, ssl_forward_proxy_failed_cert_verify_total, ssl_forward_proxy_invalid_ocsp_stapling_total, ssl_forward_proxy_revoked_ocsp_total, ssl_forward_proxy_failed_cert_signing_total, ssl_forward_proxy_failed_ssl_version_total, ssl_forward_proxy_sni_bypass_total, ssl_forward_proxy_client_auth_bypass_total, conn_app_smp_alloc_counter, diameter_conn_counter, diameter_conn_freed_counter, debug_tcp_counter, debug_udp_counter, total_fw_conn, total_local_conn, total_curr_conn, client_ssl_fatal_alert, client_ssl_fin_rst, fp_session_fin_rst, server_ssl_fatal_alert, server_ssl_fin_rst, client_template_int_err, client_template_unknown_err, server_template_int_err, server_template_unknown_err, total_debug_conn, ssl_forward_proxy_failed_aflex_total, ssl_forward_proxy_cert_subject_bypass_total, ssl_forward_proxy_cert_issuer_bypass_total, ssl_forward_proxy_cert_san_bypass_total, ssl_forward_proxy_no_sni_bypass_total, ssl_forward_proxy_no_sni_reset_total, ssl_forward_proxy_username_bypass_total, ssl_forward_proxy_ad_grpup_bypass_total, diameter_concurrent_user_sessions_counter, client_ssl_session_ticket_reuse_total, server_ssl_session_ticket_reuse_total, total_clientside_early_data_connections, total_serverside_early_data_connections, total_clientside_failed_early_data-connections, total_serverside_failed_early_data-connections, ssl_forward_proxy_esni_bypass_total, ssl_forward_proxy_esni_reset_total, total_logging_conn, gtp_c_est_counter, gtp_c_half_open_counter, gtp_u_counter, gtp_echo_counter, gtp_curr_free_conn, gtp_cum_conn_counter, gtp_cum_conn_freed_counter

stats data

	Counter	Size	Description
	server_template_int_err	8	server template int error
	total_curr_conn	8	Total Curr Conn
	client_template_int_err	8	client template internal error
	reverse_nat_tcp_counter	8	Reverse NAT TCP
	total_l2l3_conn	8	Totl L2/L3 Connections
	client_ssl_session_ticket_reuse_total	8	Total SSL Client Session Ticket Reuse
	tcp_est_counter	8	TCP Established
	conn_type_4_available	8	Conn Type 4 Available
	total_l4_packet_count	8	Total L4 Packet Count
	total_clientside_failed_early_data-connections	8	Total clientside failed early data connections
	total_l7_conn	8	Total L7 Conn

continues on next page

Table 2.66 – continued from previous page

	Counter	Size	Description
	server_ssl_count_total	8	Total SSL Server Count
	gtp_c_half_open_counter	8	GTP-C Half Open
	gtp_cum_conn_counter	8	GTP cumulative Conn Count
	gtp_echo_counter	8	GTP-Echo Count
	ip_counter	8	IP Count
	client_template_unknown_err	8	client template unknown error
	server_ssl_session_ticket_reuse_total	8	Total SSL Server Session Ticket Reuse
	total_clientside_early_data_connections	8	Total clientside early data connections
	gtp_c_est_counter	8	GTP-C Established
	conn_type_3_available	8	Conn Type 3 Available
	total_local_conn	8	Total Local Conn
	client_ssl_fatal_alert	8	client ssl fatal alert
	total_ip_nat_conn	8	Total IP Nat Conn
	conn_app_smp_alloc_counter	8	Conn APP SMP Alloc
	conn_type_2_available	8	Conn Type 2 Available
	conn_smp_type_0_available	8	Conn SMP Type 0 Available
	total_l7_packet_count	8	Total L7 Packet Count
	total_tcp_conn	8	Total TCP Conn
	tcp_half_open_counter	8	TCP Half Open
	server_ssl_fatal_alert	8	server ssl fatal alert
	conn_type_1_available	8	Conn Type 1 Available
	gtp_cum_conn_freed_counter	8	GTP cumulative Conn Freed
	client_ssl_fin_rst	8	client ssl fin rst
	ssl_count_total	8	Total SSL Count
	conn_freed_counter	8	Conn Freed
	conn_type_0_available	8	Conn Type 0 Available
	conn_smp_free_counter	8	Conn SMP Free
	total_serverside_failed_early_data-connections	8	Total serverside failed early data connections
	total_fw_conn	8	Total Firewall Conn
	gtp_curr_free_conn	8	GTP Current Available Conn
	curr_free_conn	8	Curr Free Conn
	client_ssl_reuse_total	8	Total SSL Client Reuse
	udp_counter	8	UDP Count
	conn_smp_type_2_available	8	Conn SMP Type 2 Available
	diameter_concurrent_user_sessions_counter	8	Diameter Concurrent User-Sessions
	gtp_u_counter	8	GTP-U Count
	conn_smp_aged_counter	8	Conn SMP Aged
	conn_smp_type_1_available	8	Conn SMP Type 1 Available
	sctp-half-open-counter	8	SCTP Half Open

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Table 2.66 – continued from previous page

	Counter	Size	Description
	total_serverside_early_data_connections	8	Total serverside early data connections
	tcp_syn_half_open_counter	8	TCP SYN Half Open
	server_template_unknown_err	8	server template unknown error
	diameter_conn_freed_counter	8	Diameter Conn Freed
	total_l4_conn_proxy	8	Total L4 Conn Proxy Count
	conn_smp_type_3_available	8	Conn SMP Type 3 Available
	conn_smp_alloc_counter	8	Conn SMP Alloc
	conn_counter	8	Conn Count
	server_ssl_fin_rst	8	server ssl fin rst
	other_counter	8	Non TCP/UDP IP sessions
	total_logging_conn	8	Total Logging Conn
	server_ssl_count_curr	8	Current SSL Server Count
	fp_session_fin_rst	8	FP Session FIN/RST
	server_ssl_reuse_total	8	Total SSL Server Reuse
	conn_smp_type_4_available	8	Conn SMP Type 4 Available
	diameter_conn_counter	8	Diameter Conn Count
	tcp_half_close_counter	8	TCP Half Closed
	total_l4_conn	8	Total L4 Count
	reverse_nat_udp_counter	8	Reverse NAT UDP
	sctp-est-counter	8	SCTP Established
	ssl_count_curr	8	Curr SSL Count

2.99.62 system session-reclaim-limit

Set limits for smp session reclaim

session-reclaim-limit Specification

Type	*Configuration Resource*
Element Name	session-reclaim-limit
Element URI	/axapi/v3/system/session-reclaim-limit
Element Attributes	session-reclaim-limit_attributes
Schema	`session-reclaim-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

Get Object

GET

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

Modify Object

POST

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

Replace Object

PUT

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

Delete Object

DELETE

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

session-reclaim-limit attributes

nscan-limit

Description smp session scan limit (number of smp sessions per scan)

Type: number

Range: 1-20480

Default: 4096

scan-freq

Description smp session scan frequency (scan per second)

Type: number

Range: 5-50

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.63 system set-tcp-syn-per-sec

Configure tcp syn per sec

set-tcp-syn-per-sec Specification

Type	*Configuration Resource*
Element Name	set-tcp-syn-per-sec
Element URI	/axapi/v3/system/set-tcp-syn-per-sec
Element Attributes	set-tcp-syn-per-sec_attributes
Schema	`set-tcp-syn-per-sec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

Get Object

GET

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

Modify Object

POST

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

Replace Object

PUT

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

Delete Object

DELETE

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

set-tcp-syn-per-sec attributes

tcp-syn-value

Description Configure Tcp SYN's per sec, default 70

Type: number

Range: 25-128

Default: 70

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.64 system shell-privileges

Configuration for special shell privileges

shell-privileges Specification

Type	*Configuration Resource*
Element Name	shell-privileges
Element URI	/axapi/v3/system/shell-privileges
Element Attributes	shell-privileges_attributes
Schema	`shell-privileges schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/shell-privileges

shell-privileges attributes

Get Object

GET

/axapi/v3/system/shell-privileges

shell-privileges attributes

Modify Object

POST

/axapi/v3/system/shell-privileges

shell-privileges attributes

Replace Object

PUT

/axapi/v3/system/shell-privileges

shell-privileges attributes

Delete Object

DELETE

/axapi/v3/system/shell-privileges

shell-privileges attributes

shell-privileges attributes

enable-shell-privileges

Description enable the shell privileges for a given customer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.65 system shm-logging

Configure shared memory logging

shm-logging Specification

Type	*Configuration Resource*
Element Name	shm-logging
Element URI	/axapi/v3/system/shm-logging
Element Attributes	shm-logging_attributes
Schema	`shm-logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/shm-logging

shm-logging attributes

Get Object

GET

/axapi/v3/system/shm-logging

shm-logging attributes

Modify Object

POST

/axapi/v3/system/shm-logging

shm-logging attributes

Replace Object

PUT

/axapi/v3/system/shm-logging

shm-logging attributes

Delete Object

DELETE

/axapi/v3/system/shm-logging

shm-logging attributes

shm-logging attributes

enable

Description Enable shared memory based logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.66 system ssl-req-q

System SSL Request Queue statistics

ssl-req-q Specification

Type	*Configuration Resource*
Element Name	ssl-req-q
Element URI	/axapi/v3/system/ssl-req-q
Element Attributes	ssl-req-q_attributes
Statistics Data URI	/axapi/v3/system/ssl-req-q/stats
Schema	`ssl-req-q schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

Get Object

GET

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

Modify Object

POST

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

Replace Object

PUT

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

Delete Object

DELETE

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

ssl-req-q attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num-ssl-queues': num-ssl-queues; 'ssl-req-q-depth-tot': ssl-req-q-depth-tot; 'ssl-req-q-inuse-tot': ssl-req-q-inuse-tot; 'ssl-hw-q-depth-tot': ssl-hw-q-depth-tot; 'ssl-hw-q-inuse-tot': ssl-hw-q-inuse-tot;

Type: string

Supported Values: all, num-ssl-queues, ssl-req-q-depth-tot, ssl-req-q-inuse-tot, ssl-hw-q-depth-tot, ssl-hw-q-inuse-tot

stats data

	Counter	Size	Description
	num-ssl-queues	8	num-ssl-queues
	ssl-hw-q-inuse-tot	8	ssl-hw-q-inuse-tot
	ssl-hw-q-depth-tot	8	ssl-hw-q-depth-tot
	ssl-req-q-depth-tot	8	ssl-req-q-depth-tot
	ssl-req-q-inuse-tot	8	ssl-req-q-inuse-tot

2.99.67 system ssl-scv

To Enable/disable SSL connection server certificate validation

ssl-scv Specification

Type	*Configuration Resource*
Element Name	ssl-scv
Element URI	/axapi/v3/system/ssl-scv
Element Attributes	ssl-scv_attributes
Schema	`ssl-scv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-scv

ssl-scv attributes

Get Object

GET

/axapi/v3/system/ssl-scv

ssl-scv attributes

Modify Object

POST

/axapi/v3/system/ssl-scv

ssl-scv attributes

Replace Object

PUT

/axapi/v3/system/ssl-scv

ssl-scv attributes

Delete Object

DELETE

/axapi/v3/system/ssl-scv

ssl-scv attributes

ssl-scv attributes

enable

Description Enable server certificate validation for all SSL connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.68 system ssl-scv-verify-crl-sign

To Enable/disable verifying CRL signature during server certificate validation

ssl-scv-verify-crl-sign Specification

Type	*Configuration Resource*
Element Name	ssl-scv-verify-crl-sign
Element URI	/axapi/v3/system/ssl-scv-verify-crl-sign
Element Attributes	ssl-scv-verify-crl-sign_attributes
Schema	`ssl-scv-verify-crl-sign schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

Get Object

GET

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

Modify Object

POST

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

Replace Object

PUT

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

Delete Object

DELETE

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

ssl-scv-verify-crl-sign attributes

enable

Description Enable verify CRL signature during SCV

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.69 system ssl-scv-verify-host

To Enable/disable checking claimed identity in server certificate durning server certificate validation

ssl-scv-verify-host Specification

Type	*Configuration Resource*
Element Name	ssl-scv-verify-host
Element URI	/axapi/v3/system/ssl-scv-verify-host
Element Attributes	ssl-scv-verify-host_attributes
Schema	`ssl-scv-verify-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

Get Object

GET

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

Modify Object

POST

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

Replace Object

PUT

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

Delete Object

DELETE

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

ssl-scv-verify-host attributes

disable

Description Disable verify host during SCV

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.70 system ssl-set-compatible-cipher

To Enable/disable setting common cipher suite for SSL connections in management plane

ssl-set-compatible-cipher Specification

Type	*Configuration Resource*
Element Name	ssl-set-compatible-cipher
Element URI	/axapi/v3/system/ssl-set-compatible-cipher
Element Attributes	ssl-set-compatible-cipher_attributes
Schema	`ssl-set-compatible-cipher schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

Get Object

GET

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

Modify Object

POST

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

Replace Object

PUT

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

Delete Object

DELETE

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

ssl-set-compatible-cipher attributes

disable

Description Disable setting common cipher suite in management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.71 system table-integrity

Table integrity for multi-processing unit devices

table-integrity Specification

Type	*Configuration Resource*
Element Name	table-integrity
Element URI	/axapi/v3/system/table-integrity
Element Attributes	table-integrity_attributes
Statistics Data URI	/axapi/v3/system/table-integrity/stats
Schema	`table-integrity schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/table-integrity

table-integrity attributes

Get Object

GET

/axapi/v3/system/table-integrity

table-integrity attributes

Modify Object

POST

/axapi/v3/system/table-integrity

table-integrity attributes

Replace Object

PUT

/axapi/v3/system/table-integrity

table-integrity attributes

Delete Object

DELETE

/axapi/v3/system/table-integrity

table-integrity attributes

table-integrity attributes

audit-action

Description 'enable': Enable table integrity audit; 'disable': Disable table integrity audit;

Type: string

Supported Values: enable, disable

Default: enable

auto-sync-action

Description 'enable': Enable auto-sync; 'disable': Disable auto-sync;

Type: string

Supported Values: enable, disable

Default: enable

sampling-enable

Type: List

table

Description 'all': All tables;

Type: string

Supported Values: all

Default: all

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'arp-tbl-sync-start-ts-m-1st': arp table sync start time stamp master; 'nd6-tbl-sync-start-ts-m-1st': nd6 table sync start time stamp master; 'ipv4-fib-tbl-sync-start-ts-m-1st': ipv4-fib table sync start time stamp master; 'ipv6-fib-tbl-sync-start-ts-m-1st': ipv6-fib table sync start time stamp master; 'mac-tbl-sync-start-ts-m-1st': mac table sync start time stamp master; 'arp-tbl-sync-start-ts-b-1st': arp table sync start time stamp blade; 'nd6-tbl-sync-start-ts-b-1st': nd6 table sync start time stamp blade; 'ipv4-fib-tbl-sync-start-ts-b-1st': ipv4-fib table sync start time stamp blade; 'ipv6-fib-tbl-sync-start-ts-b-1st': ipv6-fib table sync start time stamp blade; 'mac-tbl-sync-start-ts-b-1st': mac table sync start time stamp blade; 'arp-tbl-sync-entries-sent-m-1st': arp table entries sent from master for T0 synchronization; 'nd6-tbl-sync-entries-sent-m-1st': nd6 table entries sent from master for T0 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-1st': ipv4-fib table entries sent from master for T0 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-1st': ipv6-fib table entries sent from master for T0 synchronization; 'mac-tbl-sync-entries-sent-m-1st': mac table entries sent from master for T0 synchronization; 'arp-tbl-sync-entries-rcvd-b-1st': arp table entries received on blade for T0 synchronization; 'nd6-tbl-sync-entries-rcvd-b-1st': nd6 table entries received on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-1st': ipv4-fib table entries received on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-1st': ipv6-fib table entries received on blade for T0 synchronization; 'mac-tbl-sync-entries-rcvd-b-1st': mac table entries

received on blade for T0 synchronization; 'arp-tbl-sync-entries-added-b-1st': arp table entries added on blade for T0 synchronization; 'nd6-tbl-sync-entries-added-b-1st': nd6 table entries added on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-1st': ipv4-fib table entries added on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-1st': ipv6-fib table entries added on blade for T0 synchronization; 'mac-tbl-sync-entries-added-b-1st': mac table entries added on blade for T0 synchronization; 'arp-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'nd6-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'mac-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'arp-tbl-sync-end-ts-m-1st': arp table sync end time stamp master for T0 synchronization; 'nd6-tbl-sync-end-ts-m-1st': nd6 table sync end time stamp master for T0 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-1st': ipv4-fib table sync end time stamp master for T0 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-1st': ipv6-fib table sync end time stamp master for T0 synchronization; 'mac-tbl-sync-end-ts-m-1st': mac table sync end time stamp master for T0 synchronization; 'arp-tbl-sync-end-ts-b-1st': arp table sync end time stamp blade for T0 synchronization; 'nd6-tbl-sync-end-ts-b-1st': nd6 table sync end time stamp blade for T0 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-1st': ipv4-fib table sync end time stamp blade for T0 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-1st': ipv6-fib table sync end time stamp blade for T0 synchronization; 'mac-tbl-sync-end-ts-b-1st': mac table sync end time stamp blade for T0 synchronization; 'arp-tbl-sync-start-ts-m-2nd': arp table sync start time stamp master for T-1 synchronization; 'nd6-tbl-sync-start-ts-m-2nd': nd6 table sync start time stamp master for T-1 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-2nd': ipv4-fib table sync start time stamp master for T-1 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-2nd': ipv6-fib table sync start time stamp master for T-1 synchronization; 'mac-tbl-sync-start-ts-m-2nd': mac table sync start time stamp master for T-1 synchronization; 'arp-tbl-sync-start-ts-b-2nd': arp table sync start time stamp blade for T-1 synchronization; 'nd6-tbl-sync-start-ts-b-2nd': nd6 table sync start time stamp blade for T-1 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-2nd': ipv4-fib table sync start time stamp blade for T-1 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-2nd': ipv6-fib table sync start time stamp blade for T-1 synchronization; 'mac-tbl-sync-start-ts-b-2nd': mac table sync start time stamp blade for T-1 synchronization; 'arp-tbl-sync-entries-sent-m-2nd': arp table entries sent from master for T-1 synchronization; 'nd6-tbl-sync-entries-sent-m-2nd': nd6 table entries sent from master for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-2nd': ipv4-fib table entries sent from master for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-2nd': ipv6-fib table entries sent from master for T-1 synchronization; 'mac-tbl-sync-entries-sent-m-2nd': mac table entries sent from master for T-1 synchronization; 'arp-tbl-sync-entries-rcvd-b-2nd': arp table entries received in blade for T-1 synchronization; 'nd6-tbl-sync-entries-rcvd-b-2nd': nd6 table entries received in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-2nd': ipv4-fib table entries received in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-2nd': ipv6-fib table entries received in blade for T-1 synchronization; 'mac-tbl-sync-entries-rcvd-b-2nd': mac table entries received in blade for T-1 synchronization; 'arp-tbl-sync-entries-added-b-2nd': arp table entries added in blade for T-1 synchronization; 'nd6-tbl-sync-entries-added-b-2nd': nd6 table entries added in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-2nd': ipv4-fib table entries added in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-2nd': ipv6-fib table entries added in blade for T-1 synchronization; 'mac-tbl-sync-entries-added-b-2nd': mac table entries added in blade for T-1 synchronization; 'arp-tbl-sync-entries-removed-b-2nd': arp table entries removed in blade for T-1 synchronization; 'nd6-tbl-sync-entries-removed-b-2nd': nd6 table entries removed in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-2nd': ipv4-fib table entries removed in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-2nd': ipv6-fib table entries removed in blade for T-1 synchronization; 'mac-tbl-sync-entries-removed-b-2nd': mac table entries removed in blade for T-1 synchronization; 'arp-tbl-sync-end-ts-m-2nd': arp table sync end time stamp master for T-1 synchronization;

'nd6-tbl-sync-end-ts-m-2nd': nd6 table sync end time stamp master for T-1 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-2nd': ipv4-fib table sync end time stamp master for T-1 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-2nd': ipv6-fib table sync end time stamp master for T-1 synchronization; 'mac-tbl-sync-end-ts-m-2nd': mac table sync end time stamp master for T-1 synchronization; 'arp-tbl-sync-end-ts-b-2nd': arp table sync end time stamp blade for T-1 synchronization; 'nd6-tbl-sync-end-ts-b-2nd': nd6 table sync end time stamp blade for T-1 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-2nd': ipv4-fib table sync end time stamp blade for T-1 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-2nd': ipv6-fib table sync end time stamp blade for T-1 synchronization; 'mac-tbl-sync-end-ts-b-2nd': mac table sync end time stamp blade for T-1 synchronization; 'arp-tbl-sync-start-ts-m-3rd': arp table sync start time stamp master for T-2 synchronization; 'nd6-tbl-sync-start-ts-m-3rd': nd6 table sync start time stamp master for T-2 synchronization;

Type: string

Supported Values: all, arp-tbl-sync-start-ts-m-1st, nd6-tbl-sync-start-ts-m-1st, ipv4-fib-tbl-sync-start-ts-m-1st, ipv6-fib-tbl-sync-start-ts-m-1st, mac-tbl-sync-start-ts-m-1st, arp-tbl-sync-start-ts-b-1st, nd6-tbl-sync-start-ts-b-1st, ipv4-fib-tbl-sync-start-ts-b-1st, ipv6-fib-tbl-sync-start-ts-b-1st, mac-tbl-sync-start-ts-b-1st, arp-tbl-sync-entries-sent-m-1st, nd6-tbl-sync-entries-sent-m-1st, ipv4-fib-tbl-sync-entries-sent-m-1st, ipv6-fib-tbl-sync-entries-sent-m-1st, mac-tbl-sync-entries-sent-m-1st, arp-tbl-sync-entries-rcvd-b-1st, nd6-tbl-sync-entries-rcvd-b-1st, ipv4-fib-tbl-sync-entries-rcvd-b-1st, ipv6-fib-tbl-sync-entries-rcvd-b-1st, mac-tbl-sync-entries-rcvd-b-1st, arp-tbl-sync-entries-added-b-1st, nd6-tbl-sync-entries-added-b-1st, ipv4-fib-tbl-sync-entries-added-b-1st, ipv6-fib-tbl-sync-entries-added-b-1st, mac-tbl-sync-entries-added-b-1st, arp-tbl-sync-entries-removed-b-1st, nd6-tbl-sync-entries-removed-b-1st, ipv4-fib-tbl-sync-entries-removed-b-1st, ipv6-fib-tbl-sync-entries-removed-b-1st, mac-tbl-sync-entries-removed-b-1st, arp-tbl-sync-end-ts-m-1st, nd6-tbl-sync-end-ts-m-1st, ipv4-fib-tbl-sync-end-ts-m-1st, ipv6-fib-tbl-sync-end-ts-m-1st, mac-tbl-sync-end-ts-m-1st, arp-tbl-sync-end-ts-b-1st, nd6-tbl-sync-end-ts-b-1st, ipv4-fib-tbl-sync-end-ts-b-1st, ipv6-fib-tbl-sync-end-ts-b-1st, mac-tbl-sync-end-ts-b-1st, arp-tbl-sync-start-ts-m-2nd, nd6-tbl-sync-start-ts-m-2nd, ipv4-fib-tbl-sync-start-ts-m-2nd, ipv6-fib-tbl-sync-start-ts-m-2nd, mac-tbl-sync-start-ts-m-2nd, arp-tbl-sync-start-ts-b-2nd, nd6-tbl-sync-start-ts-b-2nd, ipv4-fib-tbl-sync-start-ts-b-2nd, ipv6-fib-tbl-sync-start-ts-b-2nd, mac-tbl-sync-start-ts-b-2nd, arp-tbl-sync-entries-sent-m-2nd, nd6-tbl-sync-entries-sent-m-2nd, ipv4-fib-tbl-sync-entries-sent-m-2nd, ipv6-fib-tbl-sync-entries-sent-m-2nd, mac-tbl-sync-entries-sent-m-2nd, arp-tbl-sync-entries-rcvd-b-2nd, nd6-tbl-sync-entries-rcvd-b-2nd, ipv4-fib-tbl-sync-entries-rcvd-b-2nd, ipv6-fib-tbl-sync-entries-rcvd-b-2nd, mac-tbl-sync-entries-rcvd-b-2nd, arp-tbl-sync-entries-added-b-2nd, nd6-tbl-sync-entries-added-b-2nd, ipv4-fib-tbl-sync-entries-added-b-2nd, ipv6-fib-tbl-sync-entries-added-b-2nd, mac-tbl-sync-entries-added-b-2nd, arp-tbl-sync-entries-removed-b-2nd, nd6-tbl-sync-entries-removed-b-2nd, ipv4-fib-tbl-sync-entries-removed-b-2nd, ipv6-fib-tbl-sync-entries-removed-b-2nd, mac-tbl-sync-entries-removed-b-2nd, arp-tbl-sync-end-ts-m-2nd, nd6-tbl-sync-end-ts-m-2nd, ipv4-fib-tbl-sync-end-ts-m-2nd, ipv6-fib-tbl-sync-end-ts-m-2nd, mac-tbl-sync-end-ts-m-2nd, arp-tbl-sync-end-ts-b-2nd, nd6-tbl-sync-end-ts-b-2nd, ipv4-fib-tbl-sync-end-ts-b-2nd, ipv6-fib-tbl-sync-end-ts-b-2nd, mac-tbl-sync-end-ts-b-2nd, arp-tbl-sync-start-ts-m-3rd, nd6-tbl-sync-start-ts-m-3rd

counters2

Description 'ipv4-fib-tbl-sync-start-ts-m-3rd': ipv4-fib table sync start time stamp master for T-2 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-3rd': ipv6-fib table sync start time stamp master for T-2 synchronization; 'mac-tbl-sync-start-ts-m-3rd': mac table sync start time stamp master for T-2 synchronization; 'arp-tbl-sync-start-ts-b-3rd': arp table sync start time stamp blade for T-2 synchronization; 'nd6-tbl-sync-start-ts-b-3rd': nd6 table sync start time stamp blade for T-2 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-3rd': ipv4-fib table sync start time stamp blade for T-2 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-3rd': ipv6-fib table sync start time stamp blade for T-2 synchronization; 'mac-tbl-sync-start-ts-b-3rd': mac table sync start

time stamp blade for T-2 synchronization; 'arp-tbl-sync-entries-sent-m-3rd': arp table entries sent from master for T-2 synchronization; 'nd6-tbl-sync-entries-sent-m-3rd': nd6 table entries sent from master for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-3rd': ipv4-fib table entries sent from master for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-3rd': ipv6-fib table entries sent from master for T-2 synchronization; 'mac-tbl-sync-entries-sent-m-3rd': mac table entries sent from master for T-2 synchronization; 'arp-tbl-sync-entries-rcvd-b-3rd': arp table entries received in blade for T-2 synchronization; 'nd6-tbl-sync-entries-rcvd-b-3rd': nd6 table entries received in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-3rd': ipv4-fib table entries received in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-3rd': ipv6-fib table entries received in blade for T-2 synchronization; 'mac-tbl-sync-entries-rcvd-b-3rd': mac table entries received in blade for T-2 synchronization; 'arp-tbl-sync-entries-added-b-3rd': arp table entries added in blade for T-2 synchronization; 'nd6-tbl-sync-entries-added-b-3rd': nd6 table entries added in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-3rd': ipv4-fib table entries added in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-3rd': ipv6-fib table entries added in blade for T-2 synchronization; 'mac-tbl-sync-entries-added-b-3rd': mac table entries added in blade for T-2 synchronization; 'arp-tbl-sync-entries-removed-b-3rd': arp table entries removed in blade for T-2 synchronization; 'nd6-tbl-sync-entries-removed-b-3rd': nd6 table entries removed in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-3rd': ipv4-fib table entries removed in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-3rd': ipv6-fib table entries removed in blade for T-2 synchronization; 'mac-tbl-sync-entries-removed-b-3rd': mac table entries removed in blade for T-2 synchronization; 'arp-tbl-sync-end-ts-m-3rd': arp table sync end time stamp master for T-2 synchronization; 'nd6-tbl-sync-end-ts-m-3rd': nd6 table sync end time stamp master for T-2 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-3rd': ipv4-fib table sync end time stamp master for T-2 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-3rd': ipv6-fib table sync end time stamp master for T-2 synchronization; 'mac-tbl-sync-end-ts-m-3rd': mac table sync end time stamp master for T-2 synchronization; 'arp-tbl-sync-end-ts-b-3rd': arp table sync end time stamp blade for T-2 synchronization; 'nd6-tbl-sync-end-ts-b-3rd': nd6 table sync end time stamp blade for T-2 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-3rd': ipv4-fib table sync end time stamp blade for T-2 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-3rd': ipv6-fib table sync end time stamp blade for T-2 synchronization; 'mac-tbl-sync-end-ts-b-3rd': mac table sync end time stamp blade for T-2 synchronization; 'arp-tbl-sync-start-ts-m-4th': arp table sync start time stamp master for T-3 synchronization; 'nd6-tbl-sync-start-ts-m-4th': nd6 table sync start time stamp master for T-3 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-4th': ipv4-fib table sync start time stamp master for T-3 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-4th': ipv6-fib table sync start time stamp master for T-3 synchronization; 'mac-tbl-sync-start-ts-m-4th': mac table sync start time stamp master for T-3 synchronization; 'arp-tbl-sync-start-ts-b-4th': arp table sync start time stamp blade for T-3 synchronization; 'nd6-tbl-sync-start-ts-b-4th': nd6 table sync start time stamp blade for T-3 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-4th': ipv4-fib table sync start time stamp blade for T-3 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-4th': ipv6-fib table sync start time stamp blade for T-3 synchronization; 'mac-tbl-sync-start-ts-b-4th': mac table sync start time stamp blade for T-3 synchronization; 'arp-tbl-sync-entries-sent-m-4th': arp table entries sent from master for T-3 synchronization; 'nd6-tbl-sync-entries-sent-m-4th': nd6 table entries sent from master for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-4th': ipv4-fib table entries sent from master for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-4th': ipv6-fib table entries sent from master for T-3 synchronization; 'mac-tbl-sync-entries-sent-m-4th': mac table entries sent from master for T-3 synchronization; 'arp-tbl-sync-entries-rcvd-b-4th': arp table entries received in blade for T-3 synchronization; 'nd6-tbl-sync-entries-rcvd-b-4th': nd6 table entries received in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-4th': ipv4-fib table entries received in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-4th': ipv6-fib table entries received in blade for T-3 synchronization; 'mac-tbl-sync-entries-rcvd-b-4th': mac table entries received in blade for T-3 synchronization; 'arp-tbl-sync-entries-added-b-4th': arp table entries added in blade for T-3 synchronization; 'nd6-tbl-sync-entries-added-b-4th': nd6

table entries added in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-4th': ipv4-fib table entries added in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-4th': ipv6-fib table entries added in blade for T-3 synchronization; 'mac-tbl-sync-entries-added-b-4th': mac table entries added in blade for T-3 synchronization; 'arp-tbl-sync-entries-removed-b-4th': arp table entries removed in blade for T-3 synchronization; 'nd6-tbl-sync-entries-removed-b-4th': nd6 table entries removed in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-4th': ipv4-fib table entries removed in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-4th': ipv6-fib table entries removed in blade for T-3 synchronization; 'mac-tbl-sync-entries-removed-b-4th': mac table entries removed in blade for T-3 synchronization; 'arp-tbl-sync-end-ts-m-4th': arp table sync end time stamp master for T-3 synchronization; 'nd6-tbl-sync-end-ts-m-4th': nd6 table sync end time stamp master for T-3 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-4th': ipv4-fib table sync end time stamp master for T-3 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-4th': ipv6-fib table sync end time stamp master for T-3 synchronization; 'mac-tbl-sync-end-ts-m-4th': mac table sync end time stamp master for T-3 synchronization; 'arp-tbl-sync-end-ts-b-4th': arp table sync end time stamp blade for T-3 synchronization; 'nd6-tbl-sync-end-ts-b-4th': nd6 table sync end time stamp blade for T-3 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-4th': ipv4-fib table sync end time stamp blade for T-3 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-4th': ipv6-fib table sync end time stamp blade for T-3 synchronization; 'mac-tbl-sync-end-ts-b-4th': mac table sync end time stamp blade for T-3 synchronization; 'arp-tbl-sync-start-ts-m-5th': arp table sync start time stamp master for T-4 synchronization;

Type: string

Supported Values: ipv4-fib-tbl-sync-start-ts-m-3rd, ipv6-fib-tbl-sync-start-ts-m-3rd, mac-tbl-sync-start-ts-m-3rd, arp-tbl-sync-start-ts-b-3rd, nd6-tbl-sync-start-ts-b-3rd, ipv4-fib-tbl-sync-start-ts-b-3rd, ipv6-fib-tbl-sync-start-ts-b-3rd, mac-tbl-sync-start-ts-b-3rd, arp-tbl-sync-entries-sent-m-3rd, nd6-tbl-sync-entries-sent-m-3rd, ipv4-fib-tbl-sync-entries-sent-m-3rd, ipv6-fib-tbl-sync-entries-sent-m-3rd, mac-tbl-sync-entries-sent-m-3rd, arp-tbl-sync-entries-rcvd-b-3rd, nd6-tbl-sync-entries-rcvd-b-3rd, ipv4-fib-tbl-sync-entries-rcvd-b-3rd, ipv6-fib-tbl-sync-entries-rcvd-b-3rd, mac-tbl-sync-entries-rcvd-b-3rd, arp-tbl-sync-entries-added-b-3rd, nd6-tbl-sync-entries-added-b-3rd, ipv4-fib-tbl-sync-entries-added-b-3rd, ipv6-fib-tbl-sync-entries-added-b-3rd, mac-tbl-sync-entries-added-b-3rd, arp-tbl-sync-entries-removed-b-3rd, nd6-tbl-sync-entries-removed-b-3rd, ipv4-fib-tbl-sync-entries-removed-b-3rd, ipv6-fib-tbl-sync-entries-removed-b-3rd, mac-tbl-sync-entries-removed-b-3rd, arp-tbl-sync-end-ts-m-3rd, nd6-tbl-sync-end-ts-m-3rd, ipv4-fib-tbl-sync-end-ts-m-3rd, ipv6-fib-tbl-sync-end-ts-m-3rd, mac-tbl-sync-end-ts-m-3rd, arp-tbl-sync-end-ts-b-3rd, nd6-tbl-sync-end-ts-b-3rd, ipv4-fib-tbl-sync-end-ts-b-3rd, ipv6-fib-tbl-sync-end-ts-b-3rd, mac-tbl-sync-end-ts-b-3rd, arp-tbl-sync-start-ts-m-4th, nd6-tbl-sync-start-ts-m-4th, ipv4-fib-tbl-sync-start-ts-m-4th, ipv6-fib-tbl-sync-start-ts-m-4th, mac-tbl-sync-start-ts-m-4th, arp-tbl-sync-start-ts-b-4th, nd6-tbl-sync-start-ts-b-4th, ipv4-fib-tbl-sync-start-ts-b-4th, ipv6-fib-tbl-sync-start-ts-b-4th, mac-tbl-sync-start-ts-b-4th, arp-tbl-sync-entries-sent-m-4th, nd6-tbl-sync-entries-sent-m-4th, ipv4-fib-tbl-sync-entries-sent-m-4th, ipv6-fib-tbl-sync-entries-sent-m-4th, mac-tbl-sync-entries-sent-m-4th, arp-tbl-sync-entries-rcvd-b-4th, nd6-tbl-sync-entries-rcvd-b-4th, ipv4-fib-tbl-sync-entries-rcvd-b-4th, ipv6-fib-tbl-sync-entries-rcvd-b-4th, mac-tbl-sync-entries-rcvd-b-4th, arp-tbl-sync-entries-added-b-4th, nd6-tbl-sync-entries-added-b-4th, ipv4-fib-tbl-sync-entries-added-b-4th, ipv6-fib-tbl-sync-entries-added-b-4th, mac-tbl-sync-entries-added-b-4th, arp-tbl-sync-entries-removed-b-4th, nd6-tbl-sync-entries-removed-b-4th, ipv4-fib-tbl-sync-entries-removed-b-4th, ipv6-fib-tbl-sync-entries-removed-b-4th, mac-tbl-sync-entries-removed-b-4th, arp-tbl-sync-end-ts-m-4th, nd6-tbl-sync-end-ts-m-4th, ipv4-fib-tbl-sync-end-ts-m-4th, ipv6-fib-tbl-sync-end-ts-m-4th, mac-tbl-sync-end-ts-m-4th, arp-tbl-sync-end-ts-b-4th, nd6-tbl-sync-end-ts-b-4th, ipv4-fib-tbl-sync-end-ts-b-4th, ipv6-fib-tbl-sync-end-ts-b-4th, mac-tbl-sync-end-ts-b-4th, arp-tbl-sync-start-ts-m-5th

counters3

Description 'nd6-tbl-sync-start-ts-m-5th': nd6 table sync start time stamp master for T-4 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-5th': ipv4-fib table sync start time stamp master for T-4 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-5th': ipv6-fib table sync start time stamp master for T-4 synchronization; 'mac-tbl-sync-start-ts-m-5th': mac table sync start time stamp master for T-4 synchronization; 'arp-tbl-sync-start-ts-b-5th': arp table sync start time stamp blade for T-4 synchronization; 'nd6-tbl-sync-start-ts-b-5th': nd6 table sync start time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-5th': ipv4-fib table sync start time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-5th': ipv6-fib table sync start time stamp blade for T-4 synchronization; 'mac-tbl-sync-start-ts-b-5th': mac table sync start time stamp blade for T-4 synchronization; 'arp-tbl-sync-entries-sent-m-5th': arp table sync start time stamp blade for T-4 synchronization; 'nd6-tbl-sync-entries-sent-m-5th': nd6 table sync start time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-5th': ipv4-fib table sync start time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-5th': ipv6-fib table sync start time stamp blade for T-4 synchronization; 'mac-tbl-sync-entries-sent-m-5th': mac table sync start time stamp blade for T-4 synchronization; 'arp-tbl-sync-entries-rcvd-b-5th': arp table entries received in blade for T-4 synchronization; 'nd6-tbl-sync-entries-rcvd-b-5th': nd6 table entries received in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-5th': ipv4-fib table entries received in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-5th': ipv6-fib table entries received in blade for T-4 synchronization; 'mac-tbl-sync-entries-rcvd-b-5th': mac table entries received in blade for T-4 synchronization; 'arp-tbl-sync-entries-added-b-5th': arp table entries added in blade for T-4 synchronization; 'nd6-tbl-sync-entries-added-b-5th': nd6 table entries added in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-5th': ipv4-fib table entries added in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-5th': ipv6-fib table entries added in blade for T-4 synchronization; 'mac-tbl-sync-entries-added-b-5th': mac table entries added in blade for T-4 synchronization; 'arp-tbl-sync-entries-removed-b-5th': arp table entries removed in blade for T-4 synchronization; 'nd6-tbl-sync-entries-removed-b-5th': nd6 table entries removed in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-5th': ipv4-fib table entries removed in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-5th': ipv6-fib table entries removed in blade for T-4 synchronization; 'mac-tbl-sync-entries-removed-b-5th': mac table entries removed in blade for T-4 synchronization; 'arp-tbl-sync-end-ts-m-5th': arp table sync end time stamp master for T-4 synchronization; 'nd6-tbl-sync-end-ts-m-5th': nd6 table sync end time stamp master for T-4 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-5th': ipv4-fib table sync end time stamp master for T-4 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-5th': ipv6-fib table sync end time stamp master for T-4 synchronization; 'mac-tbl-sync-end-ts-m-5th': mac table sync end time stamp master for T-4 synchronization; 'arp-tbl-sync-end-ts-b-5th': arp table sync end time stamp blade for T-4 synchronization; 'nd6-tbl-sync-end-ts-b-5th': nd6 table sync end time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-5th': ipv4-fib table sync end time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-5th': ipv6-fib table sync end time stamp blade for T-4 synchronization; 'mac-tbl-sync-end-ts-b-5th': mac table sync end time stamp blade for T-4 synchronization; 'arp-tbl-sync-m': arp table sync count in master; 'nd6-tbl-sync-m': nd6 table sync count in master; 'ipv4-fib-tbl-sync-m': ipv4-fib table sync count in master; 'ipv6-fib-tbl-sync-m': ipv6-fib table sync count in master; 'mac-tbl-sync-m': mac table sync count in master; 'arp-tbl-sync-b': arp table sync count in blade; 'nd6-tbl-sync-b': nd6 table sync count in blade; 'ipv4-fib-tbl-sync-b': ipv4-fib table sync count in blade; 'ipv6-fib-tbl-sync-b': ipv6-fib table sync count in blade; 'mac-tbl-sync-b': mac table sync count in blade; 'arp-tbl-cksum-m': arp table checksum count in master; 'nd6-tbl-cksum-m': nd6 table checksum count in master; 'ipv4-fib-tbl-cksum-m': ipv4-fib table checksum count in master; 'ipv6-fib-tbl-cksum-m': ipv6-fib table checksum count in master; 'mac-tbl-cksum-m': mac table checksum count in master; 'arp-tbl-cksum-b': arp table checksum count in blade; 'nd6-tbl-cksum-b': nd6 table checksum count in blade; 'ipv4-fib-tbl-cksum-b': ipv4-fib table checksum count in blade; 'ipv6-fib-tbl-cksum-b': ipv6-fib table checksum count in blade; 'mac-tbl-cksum-b': mac table checksum count in blade; 'arp-tbl-cksum-mismatch-b': arp table checksum mis-

match count in blade; 'nd6-tbl-cksum-mismatch-b': nd6 table checksum mismatch count in blade; 'ipv4-fib-tbl-cksum-mismatch-b': ipv4-fib table checksum mismatch count in blade; 'ipv6-fib-tbl-cksum-mismatch-b': ipv6-fib table checksum mismatch count in blade; 'mac-tbl-cksum-mismatch-b': mac table checksum mismatch count in blade; 'arp-tbl-cksum-cancel-m': arp table checksum cancelled count in master; 'nd6-tbl-cksum-cancel-m': nd6 table checksum cancelled count in master; 'ipv4-fib-tbl-cksum-cancel-m': ipv4-fib table checksum cancelled count in master; 'ipv6-fib-tbl-cksum-cancel-m': ipv6-fib table checksum cancelled count in master; 'mac-tbl-cksum-cancel-m': mac table checksum cancelled count in master;

Type: string

Supported Values: nd6-tbl-sync-start-ts-m-5th, ipv4-fib-tbl-sync-start-ts-m-5th, ipv6-fib-tbl-sync-start-ts-m-5th, mac-tbl-sync-start-ts-m-5th, arp-tbl-sync-start-ts-b-5th, nd6-tbl-sync-start-ts-b-5th, ipv4-fib-tbl-sync-start-ts-b-5th, ipv6-fib-tbl-sync-start-ts-b-5th, mac-tbl-sync-start-ts-b-5th, arp-tbl-sync-entries-sent-m-5th, nd6-tbl-sync-entries-sent-m-5th, ipv4-fib-tbl-sync-entries-sent-m-5th, ipv6-fib-tbl-sync-entries-sent-m-5th, mac-tbl-sync-entries-sent-m-5th, arp-tbl-sync-entries-rcvd-b-5th, nd6-tbl-sync-entries-rcvd-b-5th, ipv4-fib-tbl-sync-entries-rcvd-b-5th, ipv6-fib-tbl-sync-entries-rcvd-b-5th, mac-tbl-sync-entries-rcvd-b-5th, arp-tbl-sync-entries-added-b-5th, nd6-tbl-sync-entries-added-b-5th, ipv4-fib-tbl-sync-entries-added-b-5th, ipv6-fib-tbl-sync-entries-added-b-5th, mac-tbl-sync-entries-added-b-5th, arp-tbl-sync-entries-removed-b-5th, nd6-tbl-sync-entries-removed-b-5th, ipv4-fib-tbl-sync-entries-removed-b-5th, ipv6-fib-tbl-sync-entries-removed-b-5th, mac-tbl-sync-entries-removed-b-5th, arp-tbl-sync-end-ts-m-5th, nd6-tbl-sync-end-ts-m-5th, ipv4-fib-tbl-sync-end-ts-m-5th, ipv6-fib-tbl-sync-end-ts-m-5th, mac-tbl-sync-end-ts-m-5th, arp-tbl-sync-end-ts-b-5th, nd6-tbl-sync-end-ts-b-5th, ipv4-fib-tbl-sync-end-ts-b-5th, ipv6-fib-tbl-sync-end-ts-b-5th, mac-tbl-sync-end-ts-b-5th, arp-tbl-sync-m, nd6-tbl-sync-m, ipv4-fib-tbl-sync-m, ipv6-fib-tbl-sync-m, mac-tbl-sync-m, arp-tbl-sync-b, nd6-tbl-sync-b, ipv4-fib-tbl-sync-b, ipv6-fib-tbl-sync-b, mac-tbl-sync-b, arp-tbl-cksum-m, nd6-tbl-cksum-m, ipv4-fib-tbl-cksum-m, ipv6-fib-tbl-cksum-m, mac-tbl-cksum-m, arp-tbl-cksum-b, nd6-tbl-cksum-b, ipv4-fib-tbl-cksum-b, ipv6-fib-tbl-cksum-b, mac-tbl-cksum-b, arp-tbl-cksum-mismatch-b, nd6-tbl-cksum-mismatch-b, ipv4-fib-tbl-cksum-mismatch-b, ipv6-fib-tbl-cksum-mismatch-b, mac-tbl-cksum-mismatch-b, arp-tbl-cksum-cancel-m, nd6-tbl-cksum-cancel-m, ipv4-fib-tbl-cksum-cancel-m, ipv6-fib-tbl-cksum-cancel-m, mac-tbl-cksum-cancel-m

stats data

	Counter	Size	Description
	ipv4-fib-tbl-sync-entries-added-b-4th	8	ipv4-fib table entries added in blade for T-3 synchronization
	mac-tbl-sync-start-ts-m-1st	8	mac table sync start time stamp master
	ipv4-fib-tbl-sync-entries-sent-m-2nd	8	ipv4-fib table entries sent from master for T-1 synchronization
	arp-tbl-sync-entries-sent-m-5th	8	arp table sync start time stamp blade for T-4 synchronization
	arp-tbl-sync-end-ts-m-2nd	8	arp table sync end time stamp master for T-1 synchronization

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Table 2.67 – continued from previous page

	Counter	Size	Description
	nd6-tbl-sync-entries-removed-b-2nd	8	nd6 table entries removed in blade for T-1 synchronization
	arp-tbl-cksum-b	8	arp table checksum count in blade
	ipv4-fib-tbl-sync-entries-sent-m-3rd	8	ipv4-fib table entries sent from master for T-2 synchronization
	mac-tbl-sync-entries-sent-m-1st	8	mac table entries sent from master for T0 synchronization
	ipv4-fib-tbl-sync-entries-rcvd-b-1st	8	ipv4-fib table entries received on blade for T0 synchronization
	ipv4-fib-tbl-sync-end-ts-m-5th	8	ipv4-fib table sync end time stamp master for T-4 synchronization
	arp-tbl-cksum-m	8	arp table checksum count in master
	nd6-tbl-sync-entries-added-b-3rd	8	nd6 table entries added in blade for T-2 synchronization
	nd6-tbl-sync-start-ts-b-3rd	8	nd6 table sync start time stamp blade for T-2 synchronization
	ipv6-fib-tbl-sync-entries-rcvd-b-4th	8	ipv6-fib table entries received in blade for T-3 synchronization
	nd6-tbl-sync-entries-removed-b-4th	8	nd6 table entries removed in blade for T-3 synchronization
	ipv4-fib-tbl-sync-start-ts-b-1st	8	ipv4-fib table sync start time stamp blade
	mac-tbl-sync-entries-rcvd-b-4th	8	mac table entries received in blade for T-3 synchronization
	arp-tbl-sync-entries-sent-m-1st	8	arp table entries sent from master for T0 synchronization
	ipv4-fib-tbl-cksum-cancel-m	8	ipv4-fib table checksum cancelled count in master
	ipv6-fib-tbl-sync-entries-added-b-2nd	8	ipv6-fib table entries added in blade for T-1 synchronization

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Table 2.67 – continued from previous page

	Counter	Size	Description
	ipv6-fib-tbl-sync-start-ts-m-3rd	8	ipv6-fib table sync start time stamp master for T-2 synchronization
	mac-tbl-sync-entries-added-b-5th	8	mac table entries added in blade for T-4 synchronization
	nd6-tbl-sync-entries-added-b-4th	8	nd6 table entries added in blade for T-3 synchronization
	arp-tbl-sync-start-ts-m-5th	8	arp table sync start time stamp master for T-4 synchronization
	arp-tbl-sync-end-ts-b-1st	8	arp table sync end time stamp blade for T0 synchronization
	ipv4-fib-tbl-sync-entries-rcvd-b-3rd	8	ipv4-fib table entries received in blade for T-2 synchronization
	ipv4-fib-tbl-sync-end-ts-b-5th	8	ipv4-fib table sync end time stamp blade for T-4 synchronization
	ipv6-fib-tbl-sync-start-ts-m-1st	8	ipv6-fib table sync start time stamp master
	ipv6-fib-tbl-sync-entries-added-b-5th	8	ipv6-fib table entries added in blade for T-4 synchronization
	nd6-tbl-sync-entries-added-b-1st	8	nd6 table entries added on blade for T0 synchronization
	nd6-tbl-cksum-b	8	nd6 table checksum count in blade
	arp-tbl-sync-end-ts-m-3rd	8	arp table sync end time stamp master for T-2 synchronization
	nd6-tbl-sync-entries-rcvd-b-5th	8	nd6 table entries received in blade for T-4 synchronization
	ipv4-fib-tbl-sync-end-ts-m-1st	8	ipv4-fib table sync end time stamp master for T0 synchronization
	arp-tbl-sync-entries-sent-m-2nd	8	arp table entries sent from master for T-1 synchronization
	ipv6-fib-tbl-sync-entries-rcvd-b-1st	8	ipv6-fib table entries received on blade for T0 synchronization
	mac-tbl-sync-start-ts-b-4th	8	mac table sync start time stamp blade for T-3 synchronization

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Table 2.67 – continued from previous page

	Counter	Size	Description
	arp-tbl-sync-start-ts-m-2nd	8	arp table sync start time stamp master for T-1 synchronization
	ipv6-fib-tbl-sync-entries-added-b-4th	8	ipv6-fib table entries added in blade for T-3 synchronization
	mac-tbl-sync-entries-removed-b-5th	8	mac table entries removed in blade for T-4 synchronization
	ipv4-fib-tbl-sync-start-ts-b-3rd	8	ipv4-fib table sync start time stamp blade for T-2 synchronization
	arp-tbl-sync-start-ts-b-2nd	8	arp table sync start time stamp blade for T-1 synchronization
	mac-tbl-sync-end-ts-m-4th	8	mac table sync end time stamp master for T-3 synchronization
	arp-tbl-sync-end-ts-b-4th	8	arp table sync end time stamp blade for T-3 synchronization
	ipv4-fib-tbl-sync-end-ts-b-2nd	8	ipv4-fib table sync end time stamp blade for T-1 synchronization
	nd6-tbl-sync-start-ts-b-5th	8	nd6 table sync start time stamp blade for T-4 synchronization
	ipv6-fib-tbl-sync-end-ts-m-4th	8	ipv6-fib table sync end time stamp master for T-3 synchronization
	ipv4-fib-tbl-sync-start-ts-b-5th	8	ipv4-fib table sync start time stamp blade for T-4 synchronization
	mac-tbl-sync-end-ts-m-5th	8	mac table sync end time stamp master for T-4 synchronization
	ipv4-fib-tbl-sync-entries-rcvd-b-5th	8	ipv4-fib table entries received in blade for T-4 synchronization
	ipv4-fib-tbl-sync-start-ts-m-5th	8	ipv4-fib table sync start time stamp master for T-4 synchronization
	nd6-tbl-sync-start-ts-m-4th	8	nd6 table sync start time stamp master for T-3 synchronization
	arp-tbl-sync-end-ts-b-5th	8	arp table sync end time stamp blade for T-4 synchronization
	ipv6-fib-tbl-cksum-mismatch-b	8	ipv6-fib table checksum mismatch count in blade

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Table 2.67 – continued from previous page

	Counter	Size	Description
	mac-tbl-sync-start-ts-m-5th	8	mac table sync start time stamp master for T-4 synchronization
	nd6-tbl-sync-entries-removed-b-1st	8	arp table entries removed on blade for T0 synchronization
	arp-tbl-sync-end-ts-m-4th	8	arp table sync end time stamp master for T-3 synchronization
	nd6-tbl-sync-end-ts-b-3rd	8	nd6 table sync end time stamp blade for T-2 synchronization
	ipv4-fib-tbl-sync-b	8	ipv4-fib table sync count in blade
	mac-tbl-sync-entries-added-b-3rd	8	mac table entries added in blade for T-2 synchronization
	nd6-tbl-sync-start-ts-m-1st	8	nd6 table sync start time stamp master
	ipv4-fib-tbl-sync-m	8	ipv4-fib table sync count in master
	arp-tbl-sync-start-ts-b-5th	8	arp table sync start time stamp blade for T-4 synchronization
	arp-tbl-sync-entries-removed-b-2nd	8	arp table entries removed in blade for T-1 synchronization
	ipv6-fib-tbl-cksum-b	8	ipv6-fib table checksum count in blade
	mac-tbl-sync-end-ts-m-2nd	8	mac table sync end time stamp master for T-1 synchronization
	nd6-tbl-sync-entries-rcvd-b-4th	8	nd6 table entries received in blade for T-3 synchronization
	nd6-tbl-sync-entries-sent-m-5th	8	nd6 table sync start time stamp blade for T-4 synchronization
	ipv4-fib-tbl-sync-entries-added-b-5th	8	ipv4-fib table entries added in blade for T-4 synchronization
	arp-tbl-sync-end-ts-m-5th	8	arp table sync end time stamp master for T-4 synchronization
	ipv6-fib-tbl-sync-end-ts-m-3rd	8	ipv6-fib table sync end time stamp master for T-2 synchronization
	ipv4-fib-tbl-cksum-b	8	ipv4-fib table checksum count in blade
	nd6-tbl-sync-end-ts-m-4th	8	nd6 table sync end time stamp master for T-3 synchronization

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Table 2.67 – continued from previous page

	Counter	Size	Description
	ipv4-fib-tbl-sync-end-ts-b-3rd	8	ipv4-fib table sync end time stamp blade for T-2 synchronization
	nd6-tbl-sync-start-ts-m-5th	8	nd6 table sync start time stamp master for T-4 synchronization
	ipv6-fib-tbl-sync-end-ts-b-2nd	8	ipv6-fib table sync end time stamp blade for T-1 synchronization
	ipv4-fib-tbl-sync-entries-removed-b-4th	8	ipv4-fib table entries removed in blade for T-3 synchronization
	ipv4-fib-tbl-sync-end-ts-m-3rd	8	ipv4-fib table sync end time stamp master for T-2 synchronization
	arp-tbl-cksum-cancel-m	8	arp table checksum cancelled count in master
	arp-tbl-sync-entries-removed-b-4th	8	arp table entries removed in blade for T-3 synchronization
	mac-tbl-sync-end-ts-m-3rd	8	mac table sync end time stamp master for T-2 synchronization
	arp-tbl-sync-entries-rcvd-b-5th	8	arp table entries received in blade for T-4 synchronization
	arp-tbl-sync-start-ts-m-3rd	8	arp table sync start time stamp master for T-2 synchronization
	nd6-tbl-sync-entries-sent-m-4th	8	nd6 table entries sent from master for T-3 synchronization
	ipv4-fib-tbl-sync-entries-removed-b-2nd	8	ipv4-fib table entries removed in blade for T-1 synchronization
	nd6-tbl-sync-start-ts-b-4th	8	nd6 table sync start time stamp blade for T-3 synchronization
	ipv6-fib-tbl-sync-start-ts-b-3rd	8	ipv6-fib table sync start time stamp blade for T-2 synchronization
	nd6-tbl-sync-entries-removed-b-3rd	8	nd6 table entries removed in blade for T-2 synchronization

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Table 2.67 – continued from previous page

	Counter	Size	Description
	ipv4-fib-tbl-sync-entries-sent-m-1st	8	ipv4-fib table entries sent from master for T0 synchronization
	arp-tbl-sync-end-ts-m-1st	8	arp table sync end time stamp master for T0 synchronization
	nd6-tbl-sync-start-ts-m-3rd	8	nd6 table sync start time stamp master for T-2 synchronization
	ipv4-fib-tbl-sync-end-ts-b-1st	8	ipv4-fib table sync end time stamp blade for T0 synchronization
	ipv6-fib-tbl-sync-entries-removed-b-4th	8	ipv6-fib table entries removed in blade for T-3 synchronization
	nd6-tbl-sync-end-ts-b-2nd	8	nd6 table sync end time stamp blade for T-1 synchronization
	nd6-tbl-sync-end-ts-b-5th	8	nd6 table sync end time stamp blade for T-4 synchronization
	arp-tbl-sync-end-ts-b-3rd	8	arp table sync end time stamp blade for T-2 synchronization
	arp-tbl-sync-start-ts-m-1st	8	arp table sync start time stamp master
	mac-tbl-sync-entries-removed-b-2nd	8	mac table entries removed in blade for T-1 synchronization
	ipv4-fib-tbl-sync-end-ts-m-4th	8	ipv4-fib table sync end time stamp master for T-3 synchronization
	arp-tbl-sync-entries-removed-b-5th	8	arp table entries removed in blade for T-4 synchronization
	arp-tbl-sync-start-ts-b-4th	8	arp table sync start time stamp blade for T-3 synchronization
	ipv6-fib-tbl-sync-start-ts-b-4th	8	ipv6-fib table sync start time stamp blade for T-3 synchronization
	mac-tbl-cksum-b	8	mac table checksum count in blade
	arp-tbl-sync-entries-added-b-1st	8	arp table entries added on blade for T0 synchronization
	nd6-tbl-cksum-mismatch-b	8	nd6 table checksum mismatch count in blade

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Table 2.67 – continued from previous page

	Counter	Size	Description
	arp-tbl-sync-entries-removed-b-1st	8	arp table entries removed on blade for T0 synchronization
	mac-tbl-cksum-m	8	mac table checksum count in master
	mac-tbl-cksum-cancel-m	8	mac table checksum cancelled count in master
	ipv4-fib-tbl-sync-start-ts-m-2nd	8	ipv4-fib table sync start time stamp master for T-1 synchronization
	mac-tbl-sync-start-ts-m-3rd	8	mac table sync start time stamp master for T-2 synchronization
	mac-tbl-sync-entries-sent-m-3rd	8	mac table entries sent from master for T-2 synchronization
	arp-tbl-sync-entries-sent-m-4th	8	arp table entries sent from master for T-3 synchronization
	ipv4-fib-tbl-cksum-m	8	ipv4-fib table checksum count in master
	ipv6-fib-tbl-sync-end-ts-b-1st	8	ipv6-fib table sync end time stamp blade for T0 synchronization
	arp-tbl-sync-entries-rcvd-b-4th	8	arp table entries received in blade for T-3 synchronization
	ipv6-fib-tbl-sync-start-ts-b-1st	8	ipv6-fib table sync start time stamp blade
	ipv6-fib-tbl-sync-entries-sent-m-4th	8	ipv6-fib table entries sent from master for T-3 synchronization
	ipv6-fib-tbl-sync-end-ts-b-4th	8	ipv6-fib table sync end time stamp blade for T-3 synchronization
	ipv6-fib-tbl-sync-entries-added-b-1st	8	ipv6-fib table entries added on blade for T0 synchronization
	mac-tbl-cksum-mismatch-b	8	mac table checksum mismatch count in blade
	ipv4-fib-tbl-sync-entries-rcvd-b-2nd	8	ipv4-fib table entries received in blade for T-1 synchronization

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Table 2.67 – continued from previous page

	Counter	Size	Description
	mac-tbl-sync-start-ts-b-2nd	8	mac table sync start time stamp blade for T-1 synchronization
	mac-tbl-sync-start-ts-m-4th	8	mac table sync start time stamp master for T-3 synchronization
	ipv6-fib-tbl-cksum-cancel-m	8	ipv6-fib table checksum cancelled count in master
	ipv6-fib-tbl-sync-entries-sent-m-1st	8	ipv6-fib table entries sent from master for T0 synchronization
	nd6-tbl-sync-entries-removed-b-5th	8	nd6 table entries removed in blade for T-4 synchronization
	arp-tbl-sync-end-ts-b-2nd	8	arp table sync end time stamp blade for T-1 synchronization
	nd6-tbl-sync-start-ts-m-2nd	8	nd6 table sync start time stamp master for T-1 synchronization
	ipv4-fib-tbl-sync-end-ts-m-2nd	8	ipv4-fib table sync end time stamp master for T-1 synchronization
	nd6-tbl-sync-end-ts-m-1st	8	nd6 table sync end time stamp master for T0 synchronization
	arp-tbl-sync-start-ts-b-1st	8	arp table sync start time stamp blade
	arp-tbl-sync-m	8	arp table sync count in master
	nd6-tbl-sync-entries-sent-m-1st	8	nd6 table entries sent from master for T0 synchronization
	mac-tbl-sync-start-ts-b-5th	8	mac table sync start time stamp blade for T-4 synchronization
	ipv4-fib-tbl-sync-start-ts-m-1st	8	ipv4-fib table sync start time stamp master
	ipv4-fib-tbl-sync-entries-added-b-3rd	8	ipv4-fib table entries added in blade for T-2 synchronization
	nd6-tbl-sync-entries-rcvd-b-2nd	8	nd6 table entries received in blade for T-1 synchronization
	arp-tbl-sync-entries-added-b-2nd	8	arp table entries added in blade for T-1 synchronization

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Table 2.67 – continued from previous page

	Counter	Size	Description
	mac-tbl-sync-start-ts-b-3rd	8	mac table sync start time stamp blade for T-2 synchronization
	nd6-tbl-cksum-m	8	nd6 table checksum count in master
	ipv4-fib-tbl-sync-start-ts-m-3rd	8	ipv4-fib table sync start time stamp master for T-2 synchronization
	arp-tbl-sync-entries-rcvd-b-3rd	8	arp table entries received in blade for T-2 synchronization
	ipv4-fib-tbl-cksum-mismatch-b	8	ipv4-fib table checksum mismatch count in blade
	mac-tbl-sync-entries-removed-b-4th	8	mac table entries removed in blade for T-3 synchronization
	nd6-tbl-sync-end-ts-m-3rd	8	nd6 table sync end time stamp master for T-2 synchronization
	arp-tbl-sync-entries-rcvd-b-2nd	8	arp table entries received in blade for T-1 synchronization
	ipv4-fib-tbl-sync-entries-removed-b-1st	8	arp table entries removed on blade for T0 synchronization
	arp-tbl-sync-start-ts-m-4th	8	arp table sync start time stamp master for T-3 synchronization
	ipv4-fib-tbl-sync-end-ts-b-4th	8	ipv4-fib table sync end time stamp blade for T-3 synchronization
	ipv6-fib-tbl-sync-end-ts-b-5th	8	ipv6-fib table sync end time stamp blade for T-4 synchronization
	mac-tbl-sync-entries-added-b-2nd	8	mac table entries added in blade for T-1 synchronization
	mac-tbl-sync-entries-rcvd-b-5th	8	mac table entries received in blade for T-4 synchronization
	mac-tbl-sync-entries-added-b-4th	8	mac table entries added in blade for T-3 synchronization
	arp-tbl-sync-start-ts-b-3rd	8	arp table sync start time stamp blade for T-2 synchronization
	ipv4-fib-tbl-sync-start-ts-b-2nd	8	ipv4-fib table sync start time stamp blade for T-1 synchronization

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Table 2.67 – continued from previous page

	Counter	Size	Description
	nd6-tbl-sync-entries-added-b-5th	8	nd6 table entries added in blade for T-4 synchronization
	arp-tbl-sync-entries-removed-b-3rd	8	arp table entries removed in blade for T-2 synchronization
	ipv6-fib-tbl-sync-entries-sent-m-5th	8	ipv6-fib table sync start time stamp blade for T-4 synchronization
	nd6-tbl-sync-entries-rcvd-b-1st	8	nd6 table entries received on blade for T0 synchronization
	ipv6-fib-tbl-sync-entries-sent-m-3rd	8	ipv6-fib table entries sent from master for T-2 synchronization
	arp-tbl-sync-b	8	arp table sync count in blade
	ipv6-fib-tbl-cksum-m	8	ipv6-fib table checksum count in master
	ipv4-fib-tbl-sync-start-ts-m-4th	8	ipv4-fib table sync start time stamp master for T-3 synchronization
	mac-tbl-sync-end-ts-m-1st	8	mac table sync end time stamp master for T0 synchronization
	ipv6-fib-tbl-sync-entries-rcvd-b-2nd	8	ipv6-fib table entries received in blade for T-1 synchronization
	ipv6-fib-tbl-sync-end-ts-b-3rd	8	ipv6-fib table sync end time stamp blade for T-2 synchronization
	mac-tbl-sync-entries-sent-m-4th	8	mac table entries sent from master for T-3 synchronization
	nd6-tbl-sync-start-ts-b-2nd	8	nd6 table sync start time stamp blade for T-1 synchronization
	mac-tbl-sync-entries-rcvd-b-1st	8	mac table entries received on blade for T0 synchronization
	ipv6-fib-tbl-sync-entries-removed-b-2nd	8	ipv6-fib table entries removed in blade for T-1 synchronization
	ipv6-fib-tbl-sync-end-ts-m-1st	8	ipv6-fib table sync end time stamp master for T0 synchronization

continues on next page

Table 2.67 – continued from previous page

	Counter	Size	Description
	ipv6-fib-tbl-sync-entries-removed-b-5th	8	ipv6-fib table entries removed in blade for T-4 synchronization
	arp-tbl-sync-entries-added-b-3rd	8	arp table entries added in blade for T-2 synchronization
	mac-tbl-sync-end-ts-b-2nd	8	mac table sync end time stamp blade for T-1 synchronization
	nd6-tbl-sync-end-ts-m-5th	8	nd6 table sync end time stamp master for T-4 synchronization
	nd6-tbl-sync-end-ts-m-2nd	8	nd6 table sync end time stamp master for T-1 synchronization
	nd6-tbl-cksum-cancel-m	8	nd6 table checksum cancelled count in master
	ipv6-fib-tbl-sync-start-ts-b-5th	8	ipv6-fib table sync start time stamp blade for T-4 synchronization
	nd6-tbl-sync-entries-sent-m-3rd	8	nd6 table entries sent from master for T-2 synchronization
	mac-tbl-sync-end-ts-b-3rd	8	mac table sync end time stamp blade for T-2 synchronization
	mac-tbl-sync-entries-sent-m-5th	8	mac table sync start time stamp blade for T-4 synchronization
	nd6-tbl-sync-start-ts-b-1st	8	nd6 table sync start time stamp blade
	ipv4-fib-tbl-sync-start-ts-b-4th	8	ipv4-fib table sync start time stamp blade for T-3 synchronization
	nd6-tbl-sync-entries-added-b-2nd	8	nd6 table entries added in blade for T-1 synchronization
	ipv6-fib-tbl-sync-start-ts-m-2nd	8	ipv6-fib table sync start time stamp master for T-1 synchronization
	arp-tbl-cksum-mismatch-b	8	arp table checksum mismatch count in blade
	ipv6-fib-tbl-sync-end-ts-m-2nd	8	ipv6-fib table sync end time stamp master for T-1 synchronization
	mac-tbl-sync-entries-added-b-1st	8	mac table entries added on blade for T0 synchronization

continues on next page

Table 2.67 – continued from previous page

	Counter	Size	Description
	mac-tbl-sync-entries-rcvd-b-2nd	8	mac table entries received in blade for T-1 synchronization
	ipv4-fib-tbl-sync-entries-removed-b-5th	8	ipv4-fib table entries removed in blade for T-4 synchronization
	nd6-tbl-sync-end-ts-b-1st	8	nd6 table sync end time stamp blade for T0 synchronization
	ipv6-fib-tbl-sync-entries-rcvd-b-3rd	8	ipv6-fib table entries received in blade for T-2 synchronization
	ipv6-fib-tbl-sync-entries-sent-m-2nd	8	ipv6-fib table entries sent from master for T-1 synchronization
	ipv6-fib-tbl-sync-entries-removed-b-3rd	8	ipv6-fib table entries removed in blade for T-2 synchronization
	nd6-tbl-sync-m	8	nd6 table sync count in master
	nd6-tbl-sync-b	8	nd6 table sync count in blade
	ipv6-fib-tbl-sync-b	8	ipv6-fib table sync count in blade
	arp-tbl-sync-entries-sent-m-3rd	8	arp table entries sent from master for T-2 synchronization
	ipv6-fib-tbl-sync-end-ts-m-5th	8	ipv6-fib table sync end time stamp master for T-4 synchronization
	arp-tbl-sync-entries-added-b-5th	8	arp table entries added in blade for T-4 synchronization
	ipv4-fib-tbl-sync-entries-added-b-2nd	8	ipv4-fib table entries added in blade for T-1 synchronization
	mac-tbl-sync-entries-removed-b-1st	8	arp table entries removed on blade for T0 synchronization
	ipv4-fib-tbl-sync-entries-removed-b-3rd	8	ipv4-fib table entries removed in blade for T-2 synchronization
	arp-tbl-sync-entries-added-b-4th	8	arp table entries added in blade for T-3 synchronization

continues on next page

Table 2.67 – continued from previous page

	Counter	Size	Description
	mac-tbl-sync-b	8	mac table sync count in blade
	mac-tbl-sync-m	8	mac table sync count in master
	nd6-tbl-sync-end-ts-b-4th	8	nd6 table sync end time stamp blade for T-3 synchronization
	nd6-tbl-sync-entries-sent-m-2nd	8	nd6 table entries sent from master for T-1 synchronization
	ipv6-fib-tbl-sync-entries-added-b-3rd	8	ipv6-fib table entries added in blade for T-2 synchronization
	mac-tbl-sync-end-ts-b-1st	8	mac table sync end time stamp blade for T0 synchronization
	ipv6-fib-tbl-sync-entries-rcvd-b-5th	8	ipv6-fib table entries received in blade for T-4 synchronization
	mac-tbl-sync-entries-rcvd-b-3rd	8	mac table entries received in blade for T-2 synchronization
	ipv6-fib-tbl-sync-start-ts-m-4th	8	ipv6-fib table sync start time stamp master for T-3 synchronization
	mac-tbl-sync-end-ts-b-4th	8	mac table sync end time stamp blade for T-3 synchronization
	ipv4-fib-tbl-sync-entries-added-b-1st	8	ipv4-fib table entries added on blade for T0 synchronization
	mac-tbl-sync-entries-sent-m-2nd	8	mac table entries sent from master for T-1 synchronization
	nd6-tbl-sync-entries-rcvd-b-3rd	8	nd6 table entries received in blade for T-2 synchronization
	ipv6-fib-tbl-sync-entries-removed-b-1st	8	arp table entries removed on blade for T0 synchronization
	mac-tbl-sync-end-ts-b-5th	8	mac table sync end time stamp blade for T-4 synchronization
	ipv4-fib-tbl-sync-entries-rcvd-b-4th	8	ipv4-fib table entries received in blade for T-3 synchronization
	ipv4-fib-tbl-sync-entries-sent-m-4th	8	ipv4-fib table entries sent from master for T-3 synchronization

continues on next page

Table 2.67 – continued from previous page

	Counter	Size	Description
	ipv6-fib-tbl-sync-start-ts-b-2nd	8	ipv6-fib table sync start time stamp blade for T-1 synchronization
	arp-tbl-sync-entries-rcvd-b-1st	8	arp table entries received on blade for T0 synchronization
	mac-tbl-sync-start-ts-m-2nd	8	mac table sync start time stamp master for T-1 synchronization
	mac-tbl-sync-entries-removed-b-3rd	8	mac table entries removed in blade for T-2 synchronization
	mac-tbl-sync-start-ts-b-1st	8	mac table sync start time stamp blade
	ipv6-fib-tbl-sync-m	8	ipv6-fib table sync count in master
	ipv6-fib-tbl-sync-start-ts-m-5th	8	ipv6-fib table sync start time stamp master for T-4 synchronization
	ipv4-fib-tbl-sync-entries-sent-m-5th	8	ipv4-fib table sync start time stamp blade for T-4 synchronization

2.99.72 system table-integrity-check

Table integrity check enable

table-integrity-check Specification

Type	*Configuration Resource*
Element Name	table-integrity-check
Element URI	/axapi/v3/system/table-integrity-check
Element Attributes	table-integrity-check_attributes
Schema	`table-integrity-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/table-integrity-check

table-integrity-check attributes

Get Object

GET

/axapi/v3/system/table-integrity-check

table-integrity-check attributes

Modify Object

POST

/axapi/v3/system/table-integrity-check

table-integrity-check attributes

Replace Object

PUT

/axapi/v3/system/table-integrity-check

table-integrity-check attributes

Delete Object

DELETE

/axapi/v3/system/table-integrity-check

table-integrity-check attributes

table-integrity-check attributes

action

Description Enable table integrity check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.73 system tcp

tcp counters

tcp Specification

Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/system/tcp
Element Attributes	tcp_attributes
Statistics Data URI	/axapi/v3/system/tcp/stats
Operational Data URI	/axapi/v3/system/tcp/oper
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp

tcp attributes

```
POST /axapi/v3/system/tcp
Payload:
{
    "tcp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/tcp

tcp attributes

```
GET /axapi/v3/system/tcp
Reponse:
{
    "tcp": {
        "uuid": "899f57cc-ad12-11e7-ba9c-001fa0074d30",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/system/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/system/tcp

tcp attributes

```
PUT /axapi/v3/system/tcp
Payload:
{
    "tcp": {
        "sampling-enable": [
            {
                "counters1": "activeopens"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/tcp

tcp attributes

```
DELETE /axapi/v3/system/tcp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tcp attributes

rate-limit-reset-unknown-conn

Description: rate-limit-reset-unknown-conn is a **JSON Block**. Please see below for *rate-limit-reset-unknown-conn*

Type: Object

Refernce Object: */axapi/v3/system/tcp/rate-limit-reset-unknown-conn*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'activeopens': Active open conns; 'passiveopens': Passive open conns; 'attemptfails': Connect attemp failures; 'estabresets': Resets rcvd on EST conn; 'insegs': Total in TCP packets; 'outsegs': Total out TCP packets; 'retranssegs': Retransmited packets; 'inerrs': Input errors; 'outrsts': Reset Sent; 'sock_alloc': Sockets allocated; 'orphan_count': Orphan sockets; 'mem_alloc': Memory alloc; 'recv_mem': Total rx buffer; 'send_mem': Total tx buffer; 'currestab': Currently EST conns; 'currsyssnt': TCP in SYN-SNT state; 'currsynrcv': TCP in SYN-RCV state; 'currfinw1': TCP in FIN-W1 state; 'currfinw2': TCP FIN-W2 state; 'currtimew': TCP TimeW state; 'currclose': TCP in Close state; 'currclsw': TCP in CloseW state; 'currlack': TCP in LastACK state; 'currlstn': TCP in Listen state; 'currclsg': TCP in Closing state; 'pawsactiverejected': TCP paw active rej; 'syn_rcv_rstack': Rcv RST|ACK on SYN; 'syn_rcv_rst': Rcv RST on SYN; 'syn_rcv_ack': Rcv ACK on SYN; 'ax_rexmit_syn': TCP rexmit SYN; 'tcpabortontimeout': TCP abort on timeout; 'noroute': TCPIP out noroute; 'exceedmss': MSS exceeded pkt dropped;

Type: string

Supported Values: all, activeopens, passiveopens, attemptfails, estabresets, insegs, outsegs, retranssegs, inerrs, outrsts, sock_alloc, orphan_count, mem_alloc, recv_mem, send_mem, currestab, currsyssnt, currsynrcv, currfinw1, currfinw2, currtimew, currclose, currclsw, currlack, currlstn, currclsg, pawsactiverejected, syn_rcv_rstack, syn_rcv_rst, syn_rcv_ack, ax_rexmit_syn, tcpabortontimeout, noroute, exceedmss, tfo_conns, tfo_actives, tfo_denied

rate-limit-reset-unknown-conn

Specification	
Type	*object*

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	atcprexmit	8	Adaptive TCP retransmits
	sndrexmit-pack	8	Data packet retransmit
	sndwinup	8	Window update packet sent
	a2bfsmtransition	8	ATCP to BTCP state machine transition
	sndpack	8	Data packet sent
	atcpsend-backack	8	Adaptive TCP sendback ACK
	atcpsendfail	8	Adaptive TCP sent fails
	a2bpartialack	8	ATCP to BTCP partial ack received
	preddat	8	Hdr predict for data pkts
	cc_reduce	8	Congestion control window reduced by event
	sack_rexmit_bytes	8	SACK rexmit bytes
	keepdrops	8	Connect dropped in keepalive
	rcvdupack	8	Rcvd duplicate acks
	atcpsent	8	Adaptive TCP sent
	keepprobe	8	Keepalive probe sent
	rcvtotal	8	Total packet received
	cc_idle	8	Congestion control window set do to idle
	sndbyte	8	Data bytes sent
	rcvpartdup-byte	8	Dup. bytes in part-dup. packets
	a2bsackpresent	8	ATCP to BTCP SACK options present
	sndacks	8	Ack packet sent
	sack_rexmits	8	SACK rexmit segments
	mburstlim	8	Maxburst limited tx
	atcpbuffal-locfail	8	Adaptive TCP buffer allocation fails
	earlyrexmit	8	Early Retransmission sent
	rcvdupbyte	8	Duplicate bytes received
	a2brcvwnd	8	ATCP to BTCP receive window
	rcvwinupd	8	Rcvd window update packets
	a2bappbuffering	8	Transition to full stack on when application buffers too much data

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Table 2.68 – continued from previous page

	Counter	Size	Description
	rcvackbyte	8	Bytes acked by rcvd acks
	a2btransitionnum	8	ATCP to BTCP total transitions
	bad_iochan	8	IO Channel Modified
	rcvdsack	8	Rcvd DSACK packets
	delack	8	Delayed acks sent
	a2boodata	8	ATCP to BTCP oo data received
	closed	8	Connect closed
	badrst	8	Ignored RST
	rcvoopack	8	Out-of-order packet received
	fin-wait2_drops	8	Drop FIN_WAIT_2 connection after time limit
	rcvack-toomuch	8	Rcvd acks for unsent data
	rcvpartdup-pack	8	Packet with some duplicate data
	rcvbyteafter-win	8	Bytes rcvd after window
	segstimed	8	Segs to get RTT
	a2bsndwnd	8	ATCP to BTCP send window
	persisttimeo	8	Persist timeout
	keeptimeo	8	Keepalive timeout
	sndrexmitbad	8	Unnecessary packet retransmit
	proxyhead-erv1	8	Proxy header v1
	sack_recovery_episode	8	SACK recovery episodes
	rcvoobyte	8	Out-of-order bytes received
	pawsdrop	8	Segments dropped due to PAWS
	sndprobe	8	Window probe sent
	rcvduppack	8	Duplicate packet received
	rcvackpack	8	Rcvd ack packets
	rexmttimeo	8	Retransmit timeout
	predack	8	Hdr predict for acks
	conndrops	8	Embryonic connect dropped
	sndurg	8	URG packet sent
	rcvpack	8	Packet received
	sndsyn	8	SYN packet sent
	rcvbadoff	8	Packet received with bad offset
	atcprexmit-sadrop	8	Adaptive TCP transmit SA drops
	sndtotal	8	Total packet sent
	sndfin	8	FIN packet sent
	drops	8	Connect dropped
	connattempt	8	Connect initiated
	timeoutdrop	8	Conn dropped in rxmt timeout
	sack_send_blocks	8	SACK sent
	persistdrop	8	Timeout in persist state
	b2atransitionnum	8	ATCP to BTCP total transitions
	rcvbyte	8	Bytes received

continues on next page

Table 2.68 – continued from previous page

	Counter	Size	Description
	rcvmemdrop	8	Packet dropped for lack of memory
	sndrexmit-byte	8	Data byte retransmit
	atcpforward	8	Adaptive TCP forward
	rcvwinprobe	8	Rcvd window probe packet
	sndctrl	8	SYN|FIN|RST packet sent
	a2bdupack	8	ATCP to BTCP Dup/OO ACK
	cacklim	8	Challenge ACK limited
	sndcack	8	Challenge ACK sent
	a2brxdata	8	ATCP to BTCP Rxmitted data
	connects	8	Connect established
	rttupdated	8	Update RTT
	a2btcpoptions	8	ATCP to BTCP unsupported TCP options
	proxyhead-erv2	8	Proxy header v2
	reasstimeout	8	Reassembly Time Out
	rcvpackafter-win	8	Packets with data after window
	sndrst	8	RST packet sent
	reassmem-drop	8	Packet dropped during reassembly
	sack_rcv_blocks	8	SACK received

operational data

	Counter	Size	Description
	tcp-cpu-list		tcp-cpu-list
	cpu-count	number	cpu-count

2.99.74 system tcp rate-limit-reset-unknown-conn

Configure rate limit for reset-unknown-conn

rate-limit-reset-unknown-conn Specification

Type	*Configuration Resource*
Element Name	rate-limit-reset-unknown-conn
Element URI	/axapi/v3/system/tcp/rate-limit-reset-unknown-conn
Element Attributes	rate-limit-reset-unknown-conn_attributes
Operational Data URI	/axapi/v3/system/tcp/rate-limit-reset-unknown-conn/oper
Schema	`rate-limit-reset-unknown-conn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

Get Object

GET

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

Modify Object

POST

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

Replace Object

PUT

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

Delete Object

DELETE

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

rate-limit-reset-unknown-conn attributes

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	unknown-conn-rate-limit-drop	number	unknown-conn-rate-limit-drop
	unknown-conn-rate-limit	number	unknown-conn-rate-limit
	unknown-conn-current-rate	number	unknown-conn-current-rate

2.99.75 system tcp-syn-per-sec

Tcp SYN's per sec

tcp-syn-per-sec Specification

Type	*Configuration Resource*
Element Name	tcp-syn-per-sec
Element URI	/axapi/v3/system/tcp-syn-per-sec
Element Attributes	tcp-syn-per-sec_attributes
Operational Data URI	/axapi/v3/system/tcp-syn-per-sec/oper
Schema	`tcp-syn-per-sec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

Get Object

GET

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

Modify Object

POST

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

Replace Object

PUT

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

Delete Object

DELETE

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

tcp-syn-per-sec attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	tcp-syn-per-sec	number	tcp-syn-per-sec

2.99.76 system telemetry-log

telemetry logs to be sent out

telemetry-log Specification

Type	*Intermediate Resource*
Element Name	telemetry-log
Element URI	/axapi/v3/system/telemetry-log
Element Attributes	telemetry-log_attributes
Schema	`telemetry-log schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/telemetry-log

telemetry-log_attributes

telemetry-log attributes

device-status

Description: device-status is a **JSON Block**. Please see below for *device-status*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/device-status*

environment

Description: environment is a **JSON Block**. Please see below for *environment*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/environment*

partition-metrics

Description: partition-metrics is a **JSON Block**. Please see below for *partition-metrics*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/partition-metrics*

top-k-app-svc-list

Description: top-k-app-svc-list is a **JSON Block**. Please see below for *top-k-app-svc-list*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/top-k-app-svc-list*

top-k-source-list

Description: top-k-source-list is a **JSON Block**. Please see below for *top-k-source-list*

Type: Object

Refernce Object: */axapi/v3/system/telemetry-log/top-k-source-list*

device-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

environment

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-metrics

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-k-app-svc-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-k-source-list

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.77 system telemetry-log device-status

Device status

device-status Specification

Type	*Configuration Resource*
Element Name	device-status
Element URI	/axapi/v3/system/telemetry-log/device-status
Element Attributes	device-status_attributes
Operational Data URI	/axapi/v3/system/telemetry-log/device-status/oper
Schema	`device-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/device-status

device-status attributes

Get Object

GET

/axapi/v3/system/telemetry-log/device-status

device-status attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/device-status

device-status attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/device-status

device-status attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/device-status

device-status attributes

device-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	control_cpu_usage	number	control_cpu_usage
	total_bytes_out	number	total_bytes_out
	memory_usage	string	memory_usage
	total_bytes_in	number	total_bytes_in
	ratio_buffer_count	string	ratio_buffer_count
	ratio_session_count	string	ratio_session_count
	cpu_usage_overall	number	cpu_usage_overall

2.99.78 system telemetry-log environment

Device status

environment Specification

Type	*Configuration Resource*
Element Name	environment
Element URI	/axapi/v3/system/telemetry-log/environment
Element Attributes	environment_attributes
Operational Data URI	/axapi/v3/system/telemetry-log/environment/oper
Schema	`environment schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/environment

environment attributes

Get Object

GET

/axapi/v3/system/telemetry-log/environment

environment attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/environment

environment attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/environment

environment attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/environment

environment attributes

environment attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	hw-fan-setting	string	hw-fan-setting
	system-voltage	string	system-voltage
	physical-system-temperature	number	physical-system-temperature
	power-unit	string	power-unit
	fan-value	number	fan-value
	fan-report	string	fan-report

2.99.79 system telemetry-log partition-metrics

data cpu usage details

partition-metrics Specification

Type	*Configuration Resource*
Element Name	partition-metrics
Element URI	/axapi/v3/system/telemetry-log/partition-metrics
Element Attributes	partition-metrics_attributes
Operational Data URI	/axapi/v3/system/telemetry-log/partition-metrics/oper
Schema	`partition-metrics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

Get Object

GET

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

partition-metrics attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	data_cpu_usage	number	data_cpu_usage

2.99.80 system telemetry-log top-k-app-svc-list

top_k app svc list in a partition

top-k-app-svc-list Specification

Type	*Configuration Resource*
Element Name	top-k-app-svc-list
Element URI	/axapi/v3/system/telemetry-log/top-k-app-svc-list
Element Attributes	top-k-app-svc-list_attributes
Operational Data URI	/axapi/v3/system/telemetry-log/top-k-app-svc-list/oper
Schema	`top-k-app-svc-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

Get Object

GET

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

top-k-app-svc-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top-k-app-svc-list		top-k-app-svc-list

2.99.81 system telemetry-log top-k-source-list

top_k source list for a given app svc

top-k-source-list Specification

Type	*Configuration Resource*
Element Name	top-k-source-list
Element URI	/axapi/v3/system/telemetry-log/top-k-source-list
Element Attributes	top-k-source-list_attributes
Operational Data URI	/axapi/v3/system/telemetry-log/top-k-source-list/oper
Schema	`top-k-source-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

Get Object

GET

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

top-k-source-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top-k-source-list		top-k-source-list

2.99.82 system template

Apply template to the whole system

template Specification

Type	*Configuration Resource*
Element Name	template
Element URI	/axapi/v3/system/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/template

template attributes

```
POST /axapi/v3/system/template
Payload:
{
    "template": {
        "template-policy": "a"
    }
}
```

Get Object

GET

/axapi/v3/system/template

template attributes

```
GET /axapi/v3/system/template
Reponse:
{
    "template": {
        "template-policy": "a",
        "uuid": "a8a83f7a-afb9-11e9-b244-000c298ae040",
        "a10-url": "/axapi/v3/system/template"
    }
}
```

Modify Object

POST

/axapi/v3/system/template

template attributes

Replace Object

PUT

/axapi/v3/system/template

template attributes

```
PUT /axapi/v3/system/template
Payload:
{
    "template": {
        "template-policy": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/system/template

template attributes

```
DELETE /axapi/v3/system/template
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

template attributes

template-policy

Description Apply policy template to the whole system (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/policy*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.83 system template-bind

Apply template to the whole system

template-bind Specification

Type	*Intermediate Resource*
Element Name	template-bind
Element URI	/axapi/v3/system/template-bind
Element Attributes	template-bind_attributes
Schema	`template-bind schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/template-bind

template-bind_attributes

template-bind attributes

monitor-list

Type: List

Refernce Object: */axapi/v3/system/template-bind/monitor/{template-monitor}*

monitor-list

Specification	
Type	*list*
Block object keys	

template-monitor

Description Monitor template ID Number

Type: number

Range: 1-16

Refernce Object: */axapi/v3/slb/template/monitor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.84 system template-bind monitor

Apply monitor template to the whole system

monitor Specification

Type	*Collection*
Object Key(s)	*template-monitor*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/system/template-bind/monitor
Element Name	monitor
Element URI	/axapi/v3/system/template-bind/monitor/{template-monitor}
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/template-bind/monitor

monitor attributes

Create List

POST

/axapi/v3/system/template-bind/monitor

monitor attributes

Get Object

GET

/axapi/v3/system/template-bind/monitor/{template-monitor}

monitor attributes

Get List

GET

/axapi/v3/system/template-bind/monitor

monitor-list

Modify Object

POST

/axapi/v3/system/template-bind/monitor/{template-monitor}

monitor attributes

Replace Object

PUT

/axapi/v3/system/template-bind/monitor/{template-monitor}

monitor attributes

Replace List

PUT

/axapi/v3/system/template-bind/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/system/template-bind/monitor/{template-monitor}

monitor attributes

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

template-monitor

Description Monitor template ID Number

Type: number

Range: 1-16

Refernce Object: */axapi/v3/slb/template/monitor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.85 system throughput

System throughput

throughput Specification

Type	*Configuration Resource*
Element Name	throughput
Element URI	/axapi/v3/system/throughput
Element Attributes	throughput_attributes
Statistics Data URI	/axapi/v3/system/throughput/stats
Schema	`throughput schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/throughput

throughput attributes

Get Object

GET

/axapi/v3/system/throughput

throughput attributes

Modify Object

POST

/axapi/v3/system/throughput

throughput attributes

Replace Object

PUT

/axapi/v3/system/throughput

throughput attributes

Delete Object

DELETE

/axapi/v3/system/throughput

throughput attributes

throughput attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'global-system-throughput-bits-per-sec': Global System throughput in bits/sec; 'per-part-throughput-bits-per-sec': Partition throughput in bits/sec;

Type: string

Supported Values: all, global-system-throughput-bits-per-sec, per-part-throughput-bits-per-sec

stats data

	Counter	Size	Description
	global-system-throughput-bits-per-sec	8	Global System throughput in bits/sec
	per-part-throughput-bits-per-sec	8	Partition throughput in bits/sec

2.99.86 system timeout-value

set the timeout to stop transferring a file

timeout-value Specification

Type	*Configuration Resource*
Element Name	timeout-value
Element URI	/axapi/v3/system/timeout-value
Element Attributes	timeout-value_attributes
Schema	`timeout-value schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/timeout-value

timeout-value attributes

Get Object

GET

/axapi/v3/system/timeout-value

timeout-value attributes

Modify Object

POST

/axapi/v3/system/timeout-value

timeout-value attributes

Replace Object

PUT

/axapi/v3/system/timeout-value

timeout-value attributes

Delete Object

DELETE

/axapi/v3/system/timeout-value

timeout-value attributes

timeout-value attributes

ftp

Description set timeout to stop ftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 120

http

Description set timeout to stop http transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

https

Description set timeout to stop https transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

scp

Description set timeout to stop scp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 300

sftp

Description set timeout to stop sftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

tftp

Description set timeout to stop tftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.87 system tls-1-3-mgmt

To Enable/disable TLS 1.3 support on ACOS management plane

tls-1-3-mgmt Specification

Type	*Configuration Resource*
Element Name	tls-1-3-mgmt
Element URI	/axapi/v3/system/tls-1-3-mgmt
Element Attributes	tls-1-3-mgmt_attributes
Schema	`tls-1-3-mgmt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

Get Object

GET

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

Modify Object

POST

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

Replace Object

PUT

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

Delete Object

DELETE

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

tls-1-3-mgmt attributes

enable

Description Enable TLS 1.3 support on ACOS management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.88 system trunk

System level Trunk configurations

trunk Specification

Type	*Intermediate Resource*
Element Name	trunk
Element URI	/axapi/v3/system/trunk
Element Attributes	trunk_attributes
Schema	`trunk schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/trunk

trunk_attributes

trunk attributes

load-balance

Description: load-balance is a **JSON Block**. Please see below for *load-balance*

Type: Object

Refernce Object: */axapi/v3/system/trunk/load-balance*

load-balance

Specification	
Type	*object*

use-l3

Description Layer-3 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l3 and use-l4 are mutually exclusive

use-l4

Description Layer-3/4 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l4 and use-l3 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.89 system trunk-hw-hash

Set Trunk HW Hash Mode

trunk-hw-hash Specification

Type	*Configuration Resource*
Element Name	trunk-hw-hash
Element URI	/axapi/v3/system/trunk-hw-hash
Element Attributes	trunk-hw-hash_attributes
Schema	`trunk-hw-hash schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

Get Object

GET

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

Modify Object

POST

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

Replace Object

PUT

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

Delete Object

DELETE

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

trunk-hw-hash attributes

mode

Description Set HW hash mode, default is 6 (1:dst-mac 2:src-mac 3:src-dst-mac 4:src-ip 5:dst-ip 6:rtag6 7:rtag7)

Type: number

Range: 1-7

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.90 system trunk load-balance

Configure Trunk load balancing options

load-balance Specification

Type	*Configuration Resource*
Element Name	load-balance
Element URI	/axapi/v3/system/trunk/load-balance
Element Attributes	load-balance_attributes
Schema	`load-balance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/trunk/load-balance

load-balance attributes

Get Object

GET

/axapi/v3/system/trunk/load-balance

load-balance attributes

Modify Object

POST

/axapi/v3/system/trunk/load-balance

load-balance attributes

Replace Object

PUT

/axapi/v3/system/trunk/load-balance

load-balance attributes

Delete Object

DELETE

/axapi/v3/system/trunk/load-balance

load-balance attributes

load-balance attributes

use-l3

Description Layer-3 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l3 and use-l4 are mutually exclusive

use-l4

Description Layer-3/4 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l4 and use-l3 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.91 system trunk-xaui-hw-hash

Set Trunk XAUI HW Hash Mode

trunk-xaui-hw-hash Specification

Type	*Configuration Resource*
Element Name	trunk-xaui-hw-hash
Element URI	/axapi/v3/system/trunk-xaui-hw-hash
Element Attributes	trunk-xaui-hw-hash_attributes
Schema	`trunk-xaui-hw-hash schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

Get Object

GET

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

Modify Object

POST

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

Replace Object

PUT

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

Delete Object

DELETE

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

trunk-xaui-hw-hash attributes

mode

Description Set HW hash mode, default is 6 (1:dst-mac 2:src-mac 3:src-dst-mac 4:src-ip 5:dst-ip 6:rtag6 7:rtag7)

Type: number

Range: 1-7

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.92 system ve-mac-scheme

VE MAC allocation scheme

ve-mac-scheme Specification

Type	*Configuration Resource*
Element Name	ve-mac-scheme
Element URI	/axapi/v3/system/ve-mac-scheme
Element Attributes	ve-mac-scheme_attributes
Schema	`ve-mac-scheme schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

```
POST /axapi/v3/system/ve-mac-scheme
Payload:
{
    "ve-mac-scheme": {
        "ve-mac-scheme-val": "hash-based"
    }
}
```

Get Object

GET

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

```
GET /axapi/v3/system/ve-mac-scheme
Reponse:
{
    "ve-mac-scheme": {
        "ve-mac-scheme-val": "hash-based",
        "uuid": "f41a7af8-bfc2-11e5-97a2-834e10d40cb3",
        "a10-url": "/axapi/v3/system/ve-mac-scheme"
    }
}
```

Modify Object

POST

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

Replace Object

PUT

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

```
PUT /axapi/v3/system/ve-mac-scheme
Payload:
{
    "ve-mac-scheme": {
        "ve-mac-scheme-val": "hash-based"
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

```
DELETE /axapi/v3/system/ve-mac-scheme
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Changes will come into effect next time you reload the Software."
    }
}
```

ve-mac-scheme attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-mac-scheme-val

Description 'hash-based': Hash-based using the VE number; 'round-robin': Round Robin scheme; 'system-mac': Use system MAC address;

Type: string

Supported Values: hash-based, round-robin, system-mac

Default: hash-based

2.100 system-2x40g-mode

Objects:

2.100.1 system-2x40g-mode

To enable/disable 40G port to split into 2x40g ports

system-2x40g-mode Specification

Type	*Configuration Resource*
Element Name	system-2x40g-mode
Element URI	/axapi/v3/system-2x40g-mode
Element Attributes	system-2x40g-mode_attributes
Schema	`system-2x40g-mode schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

Get Object

GET

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

Modify Object

POST

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

Replace Object

PUT

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

Delete Object

DELETE

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

system-2x40g-mode attributes

enable

Description Enable/Disable 100G port to split into 2x40g ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.101 system-4x10g-mode

Objects:

2.101.1 system-4x10g-mode

To enable/disable 40G port to split into 4x10g ports

system-4x10g-mode Specification

Type	*Configuration Resource*
Element Name	system-4x10g-mode
Element URI	/axapi/v3/system-4x10g-mode
Element Attributes	system-4x10g-mode_attributes
Schema	`system-4x10g-mode schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

Get Object

GET

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

Modify Object

POST

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

Replace Object

PUT

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

Delete Object

DELETE

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

system-4x10g-mode attributes

enable

Description Enable/Disable 40G port to split into 4x10g ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.102 system-buff-debug

Objects:

2.102.1 system-buff-debug

System buff debug config

system-buff-debug Specification

Type	*Configuration Resource*
Element Name	system-buff-debug
Element URI	/axapi/v3/system-buff-debug
Element Attributes	system-buff-debug_attributes
Schema	`system-buff-debug schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-buff-debug

system-buff-debug attributes

```
POST /axapi/v3/system-buff-debug
Payload:
{
    "system-buff-debug": {
        "action": "enable-buff-debug"
    }
}
```

Get Object

GET

/axapi/v3/system-buff-debug

system-buff-debug attributes

```
GET /axapi/v3/system-buff-debug
Reponse:
{
    "system-buff-debug": {
        "action": "enable-buff-debug",
        "uuid": "fd8c459e-afb0-11e9-9562-4349074b05eb",
        "a10-url": "/axapi/v3/system-buff-debug"
    }
}
```

Modify Object

POST

/axapi/v3/system-buff-debug

system-buff-debug attributes

Replace Object

PUT

/axapi/v3/system-buff-debug

system-buff-debug attributes

Delete Object

DELETE

/axapi/v3/system-buff-debug

system-buff-debug attributes

system-buff-debug attributes

action

Description 'enable-buff-debug': Enable fpga buffer debugging; 'disable-buff-debug': Disable fpga buffer debugging;

Type: string

Supported Values: enable-buff-debug, disable-buff-debug

Default: enable-buff-debug

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.103 system-jumbo-global

Objects:

2.103.1 system-jumbo-global

To enable/disable jumbo

system-jumbo-global Specification

Type	*Configuration Resource*
Element Name	system-jumbo-global
Element URI	/axapi/v3/system-jumbo-global
Element Attributes	system-jumbo-global_attributes
Schema	`system-jumbo-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

```
POST /axapi/v3/system-jumbo-global
Payload:
{
    "system-jumbo-global": {
        "enable-jumbo": 1
    }
}
```

Get Object

GET

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

```
GET /axapi/v3/system-jumbo-global
Reponse:
{
    "system-jumbo-global": {
        "enable-jumbo": 1,
        "uuid": "c421cbaa-afb3-11e9-9562-4349074b05eb",
        "a10-url": "/axapi/v3/system-jumbo-global"
    }
}
```

Modify Object

POST

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

Replace Object

PUT

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

```
PUT /axapi/v3/system-jumbo-global
Payload:
{
    "system-jumbo-global": {
        "enable-jumbo": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

```
DELETE /axapi/v3/system-jumbo-global
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "jumbo packet support will be disabled when the system comes back up␣
↪after reboot.\nPlease reboot the system when you are ready.\n"
    }
}
```

system-jumbo-global attributes

enable-jumbo

Description Enable jumbo frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.104 system-view

Objects:

2.104.1 system-view

View System Parameters

system-view Specification

Type	*Intermediate Resource*
Element Name	system-view
Element URI	/axapi/v3/system-view
Element Attributes	system-view_attributes
Schema	`system-view schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system-view

system-view_attributes

system-view attributes

hardware-view

Description: hardware-view is a **JSON Block**. Please see below for *hardware-view*

Type: Object

Refernce Object: */axapi/v3/system-view/hardware-view*

hotfix

Description: hotfix is a **JSON Block**. Please see below for *hotfix*

Type: Object

Refernce Object: */axapi/v3/system-view/hotfix*

memory-view

Description: memory-view is a **JSON Block**. Please see below for *memory-view*

Type: Object

Refernce Object: */axapi/v3/system-view/memory-view*

show-backup

Description: show-backup is a **JSON Block**. Please see below for *show-backup*

Type: Object

Refernce Object: */axapi/v3/system-view/show-backup*

show-monitor

Description: show-monitor is a **JSON Block**. Please see below for *show-monitor*

Type: Object

Refernce Object: */axapi/v3/system-view/show-monitor*

show-process

Description: show-process is a **JSON Block**. Please see below for *show-process*

Type: Object

Refernce Object: */axapi/v3/system-view/show-process*

show-monitor

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

show-backup

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hardware-view

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

show-process

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

memory-view

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

memory-view_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'usage-percentage': Usage percentage;

Type: string

Supported Values: all, usage-percentage

hotfix

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.104.2 system-view memory-view

Configure System Parameters

memory-view Specification

Type	*Configuration Resource*
Element Name	memory-view
Element URI	/axapi/v3/system-view/memory-view
Element Attributes	memory-view_attributes
Statistics Data URI	/axapi/v3/system-view/memory-view/stats
Operational Data URI	/axapi/v3/system-view/memory-view/oper
Schema	`memory-view schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/memory-view

memory-view attributes

Get Object

GET

/axapi/v3/system-view/memory-view

memory-view attributes

Modify Object

POST

/axapi/v3/system-view/memory-view

memory-view attributes

Replace Object

PUT

/axapi/v3/system-view/memory-view

memory-view attributes

Delete Object

DELETE

/axapi/v3/system-view/memory-view

memory-view attributes

memory-view attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'usage-percentage': Usage percentage;

Type: string

Supported Values: all, usage-percentage

stats data

	Counter	Size	Description
	usage-percentage	8	Usage percentage

operational data

	Counter	Size	Description
	aFleX-memory		aFleX-memory
	Used	number	Used
	aflex-memory-counts	number	aflex-memory-counts
	AC-trie-memory-counts	number	AC-trie-memory-counts
	ssl-memory-counts	number	ssl-memory-counts
	N2-memory		N2-memory
	Cached	number	Cached
	TCP-memory		TCP-memory
	system-memory-counts	number	system-memory-counts
	Free	number	Free
	System-memory		System-memory
	tcp-memory-counts	number	tcp-memory-counts
	SSL-memory		SSL-memory
	n2-memory-counts	number	n2-memory-counts
	Usage	string	Usage
	Shared	number	Shared
	Total	number	Total
	AC-trie-memory		AC-trie-memory
	Buffers	number	Buffers

2.105 tacacs-server

Objects:

2.105.1 tacacs-server

Configure TACACS+ servers

tacacs-server Specification

Type	*Configuration Resource*
Element Name	tacacs-server
Element URI	/axapi/v3/tacacs-server
Element Attributes	tacacs-server_attributes
Schema	`tacacs-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server

tacacs-server attributes

```
POST /axapi/v3/tacacs-server
Payload:
{
    "tacacs-server": {
        "monitor": 1,
        "interval": 1
    }
}
```

Get Object

GET

/axapi/v3/tacacs-server

tacacs-server attributes

```
GET /axapi/v3/tacacs-server
Reponse:
{
    "tacacs-server": {
        "monitor": 1,
        "interval": 1,
        "uuid": "b540b7f4-600e-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/tacacs-server"
    }
}
```

Modify Object

POST

/axapi/v3/tacacs-server

tacacs-server attributes

Replace Object

PUT

/axapi/v3/tacacs-server

tacacs-server attributes

```
PUT /axapi/v3/tacacs-server
Payload:
{
    "tacacs-server": {
        "monitor": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/tacacs-server

tacacs-server attributes

```
DELETE /axapi/v3/tacacs-server
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tacacs-server attributes

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Refernce Object: */axapi/v3/tacacs-server/host*

interval

Description The moniter interval in seconds (default 60)

Type: number

Range: 1-120

Default: 60

monitor

Description Configure TACACS+ servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	
Type	*object*

ipv4-list

Type: List

Refernce Object: */axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Refernce Object: */axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}*

tacacs-hostname-list

Type: List

Refernce Object: */axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}*

host_tacacs-hostname-list

Specification	
Type	*list*
Block object keys	

hostname

Description Hostname of TACACS+ server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *host_tacacs-hostname-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_tacacs-hostname-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_tacacs-hostname-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

host_tacacs-hostname-list_secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

host_ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of TACACS+ server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *host_ipv4-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv4-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv4-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

host_ipv4-list_secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

host_ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of TACACS+ server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *host_ipv6-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv6-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv6-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

host_ipv6-list_secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.105.2 tacacs-server host

Specify the hostname of TACACS+ server

host Specification

Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/tacacs-server/host
Element Attributes	host_attributes
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/tacacs-server/host

host_attributes

```
GET /axapi/v3/tacacs-server/host
Reponse:
{
    "host": {
        "ipv4-list": [
            {
                "ipv4-addr": "3.3.3.3",
                "secret": {
                    "encrypted": "XXXXX",
                    "source-ip": "3.3.3.3",
                    "port-cfg": {
                        "port": 1,
                        "timeout": 12,
                        "monitor": 0
```

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```
                    }
                },
                "uuid": "d24d8228-600e-11d9-9363-001fa00680a0",
                "a10-url": "/axapi/v3/tacacs-server/host/ipv4/3.3.3.3"
            }
        ],
        "a10-url": "/axapi/v3/tacacs-server/host"
    }
}
```

host attributes

ipv4-list

Type: List

Refernce Object: */axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Refernce Object: */axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}*

tacacs-hostname-list

Type: List

Refernce Object: */axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}*

tacacs-hostname-list

Specification	
Type	*list*
Block object keys	

hostname

Description Hostname of TACACS+ server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *tacacs-hostname-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tacacs-hostname-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *tacacs-hostname-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

tacacs-hostname-list_secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-list

Specification	
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of TACACS+ server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *ipv4-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv4-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv4-list_secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-list

Specification	
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of TACACS+ server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *ipv6-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list_secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv6-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6-list_secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.105.3 tacacs-server host ipv4

Specify the hostname of TACACS+ server

ipv4 Specification

Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ipv4-list*
Collection URI	/axapi/v3/tacacs-server/host/ipv4
Element Name	ipv4
Element URI	/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}
Element Attributes	ipv4_attributes
Schema	`ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server/host/ipv4

ipv4 attributes

```
POST /axapi/v3/tacacs-server/host/ipv4/
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "secret-value": "a",
            "source-ip": "3.3.3.3",
            "port-cfg": {
                "port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/tacacs-server/host/ipv4

ipv4 attributes

Get Object

GET

/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
GET /axapi/v3/tacacs-server/host/ipv4/3.3.3.3
Reponse:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "encrypted": "XXXXX",
            "source-ip": "3.3.3.3",
            "port-cfg": {
                "port": 1,
                "timeout": 12,
                "monitor": 0
            }
        },
        "uuid": "ea08df52-600e-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/tacacs-server/host/ipv4/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/tacacs-server/host/ipv4

ipv4-list

Modify Object

POST

/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}

ipv4 attributes

Replace Object

PUT

/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
PUT /axapi/v3/tacacs-server/host/ipv4/3.3.3.3
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "secret-value": "abcd",
            "source-ip": "3.3.3.4",
            "port-cfg": {
                "port": 2
```

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```
                }
            }
        }
}
```

Replace List

PUT

/axapi/v3/tacacs-server/host/ipv4

ipv4-list

Delete Object

DELETE

/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
DELETE /axapi/v3/tacacs-server/host/ipv4/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv4-list

ipv4-list is **JSON List** of *ipv4 attributes*

ipv4-list : [

{ *ipv4 attributes* },

{ *ipv4 attributes* },

...

]

ipv4 attributes

ipv4-addr

Description IPV4 address of TACACS+ server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.105.4 tacacs-server host ipv6

Specify the hostname of TACACS+ server

ipv6 Specification

Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ipv6-list*
Collection URI	/axapi/v3/tacacs-server/host/ipv6
Element Name	ipv6
Element URI	/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server/host/ipv6

ipv6 attributes

```
POST /axapi/v3/tacacs-server/host/ipv6/
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "secret-value": "a",
            "source-ipv6": "2003::1",
            "port-cfg": {
                "port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/tacacs-server/host/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
GET /axapi/v3/tacacs-server/host/ipv6/2003::1
Reponse:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "encrypted": "XXXXX",
            "source-ipv6": "2003::1",
            "port-cfg": {
                "port": 1,
                "timeout": 12,
                "monitor": 0
            }
        },
        "uuid": "3590f1da-600f-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/tacacs-server/host/ipv6/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/tacacs-server/host/ipv6

ipv6-list

Modify Object

POST

/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}

ipv6 attributes

Replace Object

PUT

/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
PUT /axapi/v3/tacacs-server/host/ipv6/2003::1
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "secret-value": "abcd",
            "source-ipv6": "2003::2",
            "port-cfg": {
                "port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/tacacs-server/host/ipv6

ipv6-list

Delete Object

DELETE

/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
DELETE /axapi/v3/tacacs-server/host/ipv6/2003::1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipv6-list

ipv6-list is **JSON List** of *ipv6 attributes*

ipv6-list : [

{ *ipv6 attributes* },

{ *ipv6 attributes* },

...

]

ipv6 attributes

ipv6-addr

Description IPV6 address of TACACS+ server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.105.5 tacacs-server host tacacs-hostname

Specify the hostname of TACACS+ server

tacacs-hostname Specification

Type	*Collection*
Object Key(s)	*hostname*
Collection Name	*tacacs-hostname-list*
Collection URI	/axapi/v3/tacacs-server/host/tacacs-hostname
Element Name	tacacs-hostname
Element URI	/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}
Element Attributes	tacacs-hostname_attributes
Schema	`tacacs-hostname schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server/host/tacacs-hostname

tacacs-hostname attributes

```
POST /axapi/v3/tacacs-server/host/tacacs-hostname/
Payload:
{
    "tacacs-hostname": {
        "hostname": "a.com",
        "secret": {
            "secret-value": "a",
            "source-ip": "3.3.3.3",
            "port-cfg": {
                "port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/tacacs-server/host/tacacs-hostname

tacacs-hostname attributes

Get Object

GET

/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}

tacacs-hostname attributes

```
GET /axapi/v3/tacacs-server/host/tacacs-hostname/a.com
Reponse:
{
    "tacacs-hostname": {
        "hostname": "a.com",
        "secret": {
            "encrypted": "XXXXX",
            "source-ip": "3.3.3.3",
            "port-cfg": {
                "port": 1,
                "timeout": 12,
                "monitor": 0
            }
        },
        "uuid": "8801b2ec-600f-11d9-9363-001fa00680a0",
        "a10-url": "/axapi/v3/tacacs-server/host/tacacs-hostname/a.com"
    }
}
```

Get List

GET

/axapi/v3/tacacs-server/host/tacacs-hostname

tacacs-hostname-list

Modify Object

POST

/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}

tacacs-hostname attributes

Replace Object

PUT

/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}

tacacs-hostname attributes

```
PUT /axapi/v3/tacacs-server/host/tacacs-hostname/a.com
Payload:
{
    "tacacs-hostname": {
        "hostname": "a.com",
        "secret": {
            "secret-value": "abcd",
            "source-ip": "3.3.3.4",
            "port-cfg": {
                "port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/tacacs-server/host/tacacs-hostname

tacacs-hostname-list

Delete Object

DELETE

/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}

tacacs-hostname attributes

```
DELETE /axapi/v3/tacacs-server/host/tacacs-hostname/a.com
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tacacs-hostname-list

tacacs-hostname-list is **JSON List** of *tacacs-hostname attributes*

tacacs-hostname-list : [

{ *tacacs-hostname attributes* },

{ *tacacs-hostname attributes* },

...

]

tacacs-hostname attributes

hostname

Description Hostname of TACACS+ server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

secret_port-cfg

Specification	
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.106 techreport

Objects:

2.106.1 techreport

Configure show tech

techreport Specification

Type	*Configuration Resource*
Element Name	techreport
Element URI	/axapi/v3/techreport
Element Attributes	techreport_attributes
Schema	`techreport schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport

techreport attributes

```
POST /axapi/v3/techreport
Payload:
{
    "techreport": {
        "disable": 1
    }
}
```

Get Object

GET

/axapi/v3/techreport

techreport attributes

```
GET /axapi/v3/techreport
Reponse:
{
    "techreport": {
        "disable": 1,
        "uuid": "e2cb8024-6c5f-11e9-b8b7-dbe69c1e923a",
        "interval": {
            "value": 15,
            "uuid": "e2cb80ba-6c5f-11e9-b8b7-dbe69c1e923a",
            "a10-url": "/axapi/v3/techreport/interval"
        },
        "max-partitions": {
            "value": 30,
            "uuid": "587c42e4-3b55-11ea-834e-3399029c19ac",
            "a10-url": "/axapi/v3/techreport/max-partitions"
        },
        "max-logfile-size": {
            "value": 1,
            "uuid": "587c438e-3b55-11ea-834e-3399029c19ac",
            "a10-url": "/axapi/v3/techreport/max-logfile-size"
        },
        "a10-url": "/axapi/v3/techreport"
    }
}
```

Modify Object

POST

/axapi/v3/techreport

techreport attributes

Replace Object

PUT

/axapi/v3/techreport

techreport attributes

```
PUT /axapi/v3/techreport
```

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```
Payload:
{
    "techreport": {
        "disable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/techreport

techreport attributes

```
DELETE /axapi/v3/techreport
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Polling techreport is enabled\n"
    }
}
```

techreport attributes

disable

Description Disable the polling techreport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description: interval is a **JSON Block**. Please see below for *interval*

Type: Object

Refernce Object: */axapi/v3/techreport/interval*

max-logfile-size

Description: max-logfile-size is a **JSON Block**. Please see below for *max-logfile-size*

Type: Object

Refernce Object: */axapi/v3/techreport/max-logfile-size*

max-partitions

Description: max-partitions is a **JSON Block**. Please see below for *max-partitions*

Type: Object

Refernce Object: */axapi/v3/techreport/max-partitions*

priority-partition-list

Type: List

Refernce Object: */axapi/v3/techreport/priority-partition/{part-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

max-logfile-size

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Log file size for periodic techsupport (default is 1)

Type: number

Range: 1-5

Default: 1

max-partitions

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Maximum partions to show in per periodic techsupport (default is 30)

Type: number

Range: 1-120

Default: 30

interval

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Showtech interval in minutes (default is 15)

Type: number

Range: 15-120

Default: 15

priority-partition-list

Specification	
Type	*list*
Block object keys	

part-name

Description Name of partition always want to show in showtech (shared is always shown by default)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.106.2 techreport interval

Configure polling techreport interval

interval Specification

Type	*Configuration Resource*
Element Name	interval
Element URI	/axapi/v3/techreport/interval
Element Attributes	interval_attributes
Schema	`interval schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport/interval

interval attributes

```
POST /axapi/v3/techreport/interval
Payload:
{
    "interval": {
        "value": 15
    }
}
```

Get Object

GET

/axapi/v3/techreport/interval

interval attributes

```
GET /axapi/v3/techreport/interval
Reponse:
{
    "interval": {
        "value": 15,
        "uuid": "e2cb80ba-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/techreport/interval"
    }
}
```

Modify Object

POST

/axapi/v3/techreport/interval

interval attributes

Replace Object

PUT

/axapi/v3/techreport/interval

interval attributes

```
PUT /axapi/v3/techreport/interval
Payload:
{
    "interval": {
        "value": 15
    }
}
```

Delete Object

DELETE

/axapi/v3/techreport/interval

interval attributes

```
DELETE /axapi/v3/techreport/interval
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "Polling techreport interval is 15\n"
    }
}
```

interval attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Showtech interval in minutes (default is 15)

Type: number

Range: 15-120

Default: 15

2.106.3 techreport max-logfile-size

Maximum logfile size for periodic techsupport

max-logfile-size Specification

Type	*Configuration Resource*
Element Name	max-logfile-size
Element URI	/axapi/v3/techreport/max-logfile-size
Element Attributes	max-logfile-size_attributes
Schema	`max-logfile-size schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

Get Object

GET

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

Modify Object

POST

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

Replace Object

PUT

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

Delete Object

DELETE

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

max-logfile-size attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Log file size for periodic techsupport (default is 1)

Type: number

Range: 1-5

Default: 1

2.106.4 techreport max-partitions

Maximum partitions to show in per periodic techsupport

max-partitions Specification

Type	*Configuration Resource*
Element Name	max-partitions
Element URI	/axapi/v3/techreport/max-partitions
Element Attributes	max-partitions_attributes
Schema	`max-partitions schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport/max-partitions

max-partitions attributes

Get Object

GET

/axapi/v3/techreport/max-partitions

max-partitions attributes

Modify Object

POST

/axapi/v3/techreport/max-partitions

max-partitions attributes

Replace Object

PUT

/axapi/v3/techreport/max-partitions

max-partitions attributes

Delete Object

DELETE

/axapi/v3/techreport/max-partitions

max-partitions attributes

max-partitions attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Maximum partions to show in per periodic techsupport (default is 30)

Type: number

Range: 1-120

Default: 30

2.106.5 techreport priority-partition

Configure partition to always poll for techreport

priority-partition Specification

Type	*Collection*
Object Key(s)	*part-name*
Collection Name	*priority-partition-list*
Collection URI	/axapi/v3/techreport/priority-partition
Element Name	priority-partition
Element URI	/axapi/v3/techreport/priority-partition/{part-name}
Element Attributes	priority-partition_attributes
Schema	`priority-partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport/priority-partition

priority-partition attributes

```
POST /axapi/v3/techreport/priority-partition/
Payload:
{
    "priority-partition": {
        "part-name": "a"
    }
}
```

Create List

POST

/axapi/v3/techreport/priority-partition

priority-partition attributes

Get Object

GET

/axapi/v3/techreport/priority-partition/{part-name}

priority-partition attributes

```
GET /axapi/v3/techreport/priority-partition/a
Reponse:
{
    "priority-partition": {
        "part-name": "a",
        "uuid": "ccc5b70a-5bf7-11d9-abbe-001fa00680a0",
        "a10-url": "/axapi/v3/techreport/priority-partition/a"
    }
}
```

Get List

GET

/axapi/v3/techreport/priority-partition

priority-partition-list

Modify Object

POST

/axapi/v3/techreport/priority-partition/{part-name}

priority-partition attributes

Replace Object

PUT

/axapi/v3/techreport/priority-partition/{part-name}

priority-partition attributes

```
PUT /axapi/v3/techreport/priority-partition/a
Payload:
{
    "priority-partition": {
        "part-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/techreport/priority-partition

priority-partition-list

Delete Object

DELETE

/axapi/v3/techreport/priority-partition/{part-name}

priority-partition attributes

```
DELETE /axapi/v3/techreport/priority-partition/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

priority-partition-list

priority-partition-list is **JSON List** of *priority-partition attributes*

priority-partition-list : [

{ *priority-partition attributes* },

{ *priority-partition attributes* },

...

]

priority-partition attributes

part-name

Description Name of partition always want to show in showtech (shared is always shown by default)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107 techsupport

Objects:

2.107.1 techsupport showtech

Generates Show Tech file

Generates Show Tech file Specification

Type	*Configuration Resource*
Element Name	Generates Show Tech file
Element URI	/axapi/v3/techsupport/showtech
Element Attributes	Generates Show Tech file_attributes
Schema	`Generates Show Tech file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Get Object

GET

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Modify Object

POST

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Replace Object

PUT

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Delete Object

DELETE

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Generates Show Tech file attributes

2.107.2 techsupport vcsdebug

Generates aVCS debug file Specification

Type	*Configuration Resource*
Element Name	Generates aVCS debug file
Element URI	/axapi/v3/techsupport/vcsdebug
Element Attributes	Generates aVCS debug file_attributes
Schema	`Generates aVCS debug file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Get Object

GET

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Modify Object

POST

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Replace Object

PUT

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Delete Object

DELETE

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Generates aVCS debug file attributes

2.108 template

Objects:

2.108.1 template

Define a Template

template Specification

Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/template

template_attributes

template attributes

csv-list

Type: List

Refernce Object: */axapi/v3/template/csv/{csv-name}*

gtp

Description: gtp is a **JSON Block**. Please see below for *gtp*

Type: Object

Refernce Object: */axapi/v3/template/gtp*

gtp-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp-policy/{name}*

ip-threat-action-list

Type: List

Refernce Object: */axapi/v3/template/ip-threat-action/{template-number}*

lid-list

Type: List

Refernce Object: */axapi/v3/template/lid/{lid-number}*

limit-policy-list

Type: List

Refernce Object: */axapi/v3/template/limit-policy/{policy-number}*

sctp-list

Type: List

Refernce Object: */axapi/v3/template/sctp/{name}*

syslog-over-tls

Description: syslog-over-tls is a **JSON Block**. Please see below for *syslog-over-tls*

Type: Object

Refernce Object: */axapi/v3/template/syslog-over-tls*

gtp-policy-list

Specification	
Type	*list*
Block object keys	

filtering-policy-name

Description Specify GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/filtering-policy*

general-policy-name

Description Specify GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/general-policy*

logging-policy-name

Description Specify GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/logging-policy*

name

Description Configure the GTP Policy Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl*

rate-limit-policy-name

Description Specify Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/rate-limit-policy*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

validation-policy-name

Description Specify GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/validation-policy*

gtp-policy-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'gtp-v0-c-tunnel-created': GTPv0-C Tunnel Created; 'gtp-v0-c-tunnel-half-open': GTPv0-C Half open tunnel created; 'gtp-v0-c-tunnel-half-closed': GTPv0-C Tunnel Delete Request; 'gtp-v0-c-tunnel-closed': GTPv0-C Tunnel Marked Deleted; 'gtp-v0-c-tunnel-deleted': GTPv0-C Tunnel Deleted; 'gtp-v0-c-half-open-tunnel-closed': GTPv0-C Half open tunnel closed; 'gtp-v1-c-tunnel-created': GTPv1-C Tunnel Created; 'gtp-v1-c-tunnel-half-open': GTPv1-C Half open tunnel created; 'gtp-v1-c-tunnel-half-closed': GTPv1-C Tunnel Delete Request; 'gtp-v1-c-tunnel-closed': GTPv1-C Tunnel Marked Deleted; 'gtp-v1-c-tunnel-deleted': GTPv1-C Tunnel Deleted; 'gtp-v1-c-half-open-tunnel-closed': GTPv1-C Half open tunnel closed; 'gtp-v2-c-tunnel-created': GTPv2-C Tunnel Created; 'gtp-v2-c-tunnel-half-open': GTPv2-C Half open tunnel created; 'gtp-v2-c-tunnel-half-closed': GTPv2-C Tunnel Delete Request; 'gtp-v2-c-tunnel-closed': GTPv2-C Tunnel Marked Deleted; 'gtp-v2-c-tunnel-deleted': GTPv2-C Tunnel Deleted; 'gtp-v2-c-half-open-tunnel-closed': GTPv2-C Half open tunnel closed; 'gtp-u-tunnel-created': GTP-U Tunnel Created; 'gtp-u-tunnel-deleted': GTP-U Tunnel Deleted; 'gtp-v0-c-update-pdp-resp-unsuccess': GTPv0-C Update PDP Context Response Unsuccessful; 'gtp-v1-c-update-pdp-resp-unsuccess': GTPv1-C Update PDP Context Response Unsuccessful; 'gtp-v2-c-mod_bearer-resp-unsuccess': GTPv2-C Modify Bearer Response Unsuccessful; 'gtp-v0-c-create-pdp-resp-unsuccess': GTPv0-C Create PDP Context Response Unsuccessful; 'gtp-v1-c-create-pdp-resp-unsuccess': GTPv1-C Create PDP Context Response Unsuccessful; 'gtp-v2-c-create-sess-resp-unsuccess': GTPv2-C Create Session Response Unsuccessful; 'gtp-v2-c-piggyback-message': GTPv2-C Piggyback Message; 'gtp-path-management-message': GTP Path Management Messages Received; 'gtp-v0-c-tunnel-deleted-restart': GTPv0-C Tunnel Deleted with Restart/failure; 'gtp-v1-c-tunnel-deleted-restart': GTPv1-C Tunnel Deleted with Restart/failure; 'gtp-v2-c-tunnel-deleted-restart': GTPv2-C Tunnel Deleted with Restart/failure; 'gtp-v0-c-reserved-message-allow': Permit GTPv0-C Reserved Messages; 'gtp-v1-c-reserved-message-allow': Permit GTPv1-C Reserved Messages; 'gtp-v2-c-reserved-message-allow': Permit GTPv2-C Reserved Messages; 'gtp-v2-c-load-contr-info-exceed': GTPv2-C Load Control Info IEs in message exceeded 2; 'gtp-v1-c-pdu-notification-request-forward': GTPv1-C PDU Notification Request Forward; 'gtp-v1-c-pdu-notification-reject-request-forward': GTPv1-C PDU Notification Reject Request Forward; 'gtp-v0-c-pdu-notification-request-forward': GTPv0-C PDU Notification Request Forward; 'gtp-v0-c-pdu-notification-reject-request-forward': GTPv0-C PDU Notification Reject Request Forward; 'gtp-v0-c-message-skipped-apn-filtering-no-imsi': GTPv0-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-v1-c-message-skipped-apn-filtering-no-imsi': GTPv1-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-v2-c-message-skipped-apn-filtering-no-imsi': GTPv2-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-

v0-c-message-skipped-msisdn-filtering-no-imsi': GTPv0-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v1-c-message-skipped-msisdn-filtering-no-imsi': GTPv1-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v2-c-message-skipped-msisdn-filtering-no-imsi': GTPv2-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v0-c-packet-dummy-msisdn': GTPv0-C Packet With Dummy MSISDN Forwarded; 'gtp-v1-c-packet-dummy-msisdn': GTPv1-C Packet With Dummy MSISDN Forwarded; 'gtp-v2-c-packet-dummy-msisdn': GTPv2-C Packet With Dummy MSISDN Forwarded; 'drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected': Validation Drop: GTPv2-C Create Session Request with TEID; 'drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected': Validation Drop: GTPv1-C PDU Notification Request with TEID; 'drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected': Validation Drop: GTPv0-C PDU Notification Request with TEID; 'drop-vld-gtp-ie-repeat-count-exceed': Validation Drop: GTP repeated IE count exceeded; 'drop-vld-reserved-field-set': Validation Drop: Reserved Header Field Set; 'drop-vld-tunnel-id-flag': Validation Drop: Tunnel Header Flag Not Set; 'drop-vld-invalid-flow-label-v0': Validation Drop: Invalid Flow Label in GTPv0-C Header; 'drop-vld-invalid-teid': Validation Drop: Invalid TEID Value; 'drop-vld-out-of-state': Validation Drop: Out Of State GTP Message; 'drop-vld-mandatory-information-element': Validation Drop: Mandatory IE Not Present; 'drop-vld-mandatory-ie-in-grouped-ie': Validation Drop: Mandatory IE in Grouped IE Not Present; 'drop-vld-out-of-order-ie': Validation Drop: GTPv1-C Message Out of Order IE; 'drop-vld-out-of-state-ie': Validation Drop: Unexpected IE Present in Message; 'drop-vld-reserved-information-element': Validation Drop: Reserved IE Field Present; 'drop-vld-version-not-supported': Validation Drop: Invalid GTP version; 'drop-vld-message-length': Validation Drop: Message Length Exceeded; 'drop-vld-cross-layer-correlation': Validation Drop: Cross Layer IP Address Mismatch; 'drop-vld-country-code-mismatch': Validation Drop: Country Code Mismatch in IMSI and MSISDN; 'drop-vld-gtp-u-spoofed-source-address': Validation Drop: GTP-U IP Address Spoofed; 'drop-vld-gtp-bearer-count-exceed': Validation Drop: GTP Bearer count exceeded max (11); 'drop-vld-gtp-v2-wrong-lbi-create-bearer-req': Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request; 'drop-vld-gtp-c-handover-in-progress': Validation Drop: GTP-C Drop Since Handover In Progress; 'drop-vld-v0-reserved-message-drop': Validation Drop: GTPv0-C Reserved Message Drop; 'drop-vld-v1-reserved-message-drop': Validation Drop: GTPv1-C Reserved Message Drop; 'drop-vld-v2-reserved-message-drop': Validation Drop: GTPv2-C Reserved Message Drop; 'drop-vld-invalid-pkt-len-piggyback': Validation Drop: Piggyback message invalid packet length; 'drop-vld-sanity-failed-piggyback': Validation Drop: piggyback message anomaly failed; 'drop-vld-sequence-num-correlation': Validation Drop: GTP-C Sequence number Mismatch; 'drop-vld-gtpv0-seqnum-buffer-full': Validation Drop: GTPV0-C conn Sequence number Buffer Full; 'drop-vld-gtpv1-seqnum-buffer-full': Validation Drop: GTPV1-C conn Sequence number Buffer Full; 'drop-vld-gtpv2-seqnum-buffer-full': Validation Drop: GTPV2-C conn Sequence number Buffer Full; 'drop-vld-gtp-invalid-imsi-len-drop': Validation Drop: GTP-C Invalid IMSI Length Drop; 'drop-vld-gtp-invalid-apn-len-drop': Validation Drop: GTP-C Invalid APN Length Drop; 'drop-vld-protocol-flag-unset': Validation Drop: Protocol flag in Header Field not Set; 'drop-vld-gtpv0-subscriber-attr-miss': Validation Drop: GTPV0-c Subscriber Attributes Missing; 'drop-vld-gtpv1-subscriber-attr-miss': Validation Drop: GTPV1-c Subscriber Attributes Missing; 'drop-vld-gtpv2-subscriber-attr-miss': Validation Drop: GTPV2-c Subscriber Attributes Missing; 'drop-vld-gtp-v0-c-ie-len-exceed-msg-len': GTPv0-C IE Length Exceeds Message Length; 'drop-vld-gtp-v1-c-ie-len-exceed-msg-len': GTPv1-C IE Length Exceeds Message Length; 'drop-vld-gtp-v2-c-ie-len-exceed-msg-len': GTPv2-C IE Length Exceeds Message Length; 'drop-vld-gtp-v0-c-message-length-mismatch': GTPv0-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v1-c-message-length-mismatch': GTPv1-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v2-c-message-length-mismatch': GTPv2-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv0-C APN/IMSI Filtering Dropped (No APN); 'drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv1-C APN/IMSI Filtering Dropped (No APN); 'drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv2-C

APN/IMSI Filtering Dropped (No APN);

Type: string

Supported Values: all, gtp-v0-c-tunnel-created, gtp-v0-c-tunnel-half-open, gtp-v0-c-tunnel-half-closed, gtp-v0-c-tunnel-closed, gtp-v0-c-tunnel-deleted, gtp-v0-c-half-open-tunnel-closed, gtp-v1-c-tunnel-created, gtp-v1-c-tunnel-half-open, gtp-v1-c-tunnel-half-closed, gtp-v1-c-tunnel-closed, gtp-v1-c-tunnel-deleted, gtp-v1-c-half-open-tunnel-closed, gtp-v2-c-tunnel-created, gtp-v2-c-tunnel-half-open, gtp-v2-c-tunnel-half-closed, gtp-v2-c-tunnel-closed, gtp-v2-c-tunnel-deleted, gtp-v2-c-half-open-tunnel-closed, gtp-u-tunnel-created, gtp-u-tunnel-deleted, gtp-v0-c-update-pdp-resp-unsuccess, gtp-v1-c-update-pdp-resp-unsuccess, gtp-v2-c-mod_bearer-resp-unsuccess, gtp-v0-c-create-pdp-resp-unsuccess, gtp-v1-c-create-pdp-resp-unsuccess, gtp-v2-c-create-sess-resp-unsuccess, gtp-v2-c-piggyback-message, gtp-path-management-message, gtp-v0-c-tunnel-deleted-restart, gtp-v1-c-tunnel-deleted-restart, gtp-v2-c-tunnel-deleted-restart, gtp-v0-c-reserved-message-allow, gtp-v1-c-reserved-message-allow, gtp-v2-c-reserved-message-allow, gtp-v2-c-load-contr-info-exceed, gtp-v1-c-pdu-notification-request-forward, gtp-v1-c-pdu-notification-reject-request-forward, gtp-v0-c-pdu-notification-request-forward, gtp-v0-c-pdu-notification-reject-request-forward, gtp-v0-c-message-skipped-apn-filtering-no-imsi, gtp-v1-c-message-skipped-apn-filtering-no-imsi, gtp-v2-c-message-skipped-apn-filtering-no-imsi, gtp-v0-c-message-skipped-msisdn-filtering-no-imsi, gtp-v1-c-message-skipped-msisdn-filtering-no-imsi, gtp-v2-c-message-skipped-msisdn-filtering-no-imsi, gtp-v0-c-packet-dummy-msisdn, gtp-v1-c-packet-dummy-msisdn, gtp-v2-c-packet-dummy-msisdn, drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected, drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected, drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected, drop-vld-gtp-ie-repeat-count-exceed, drop-vld-reserved-field-set, drop-vld-tunnel-id-flag, drop-vld-invalid-flow-label-v0, drop-vld-invalid-teid, drop-vld-out-of-state, drop-vld-mandatory-information-element, drop-vld-mandatory-ie-in-grouped-ie, drop-vld-out-of-order-ie, drop-vld-out-of-state-ie, drop-vld-reserved-information-element, drop-vld-version-not-supported, drop-vld-message-length, drop-vld-cross-layer-correlation, drop-vld-country-code-mismatch, drop-vld-gtp-u-spoofed-source-address, drop-vld-gtp-bearer-count-exceed, drop-vld-gtp-v2-wrong-lbi-create-bearer-req, drop-vld-gtp-c-handover-in-progress, drop-vld-v0-reserved-message-drop, drop-vld-v1-reserved-message-drop, drop-vld-v2-reserved-message-drop, drop-vld-invalid-pkt-len-piggyback, drop-vld-sanity-failed-piggyback, drop-vld-sequence-num-correlation, drop-vld-gtpv0-seqnum-buffer-full, drop-vld-gtpv1-seqnum-buffer-full, drop-vld-gtpv2-seqnum-buffer-full, drop-vld-gtp-invalid-imsi-len-drop, drop-vld-gtp-invalid-apn-len-drop, drop-vld-protocol-flag-unset, drop-vld-gtpv0-subscriber-attr-miss, drop-vld-gtpv1-subscriber-attr-miss, drop-vld-gtpv2-subscriber-attr-miss, drop-vld-gtp-v0-c-ie-len-exceed-msg-len, drop-vld-gtp-v1-c-ie-len-exceed-msg-len, drop-vld-gtp-v2-c-ie-len-exceed-msg-len, drop-vld-gtp-v0-c-message-length-mismatch, drop-vld-gtp-v1-c-message-length-mismatch, drop-vld-gtp-v2-c-message-length-mismatch, drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn, drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn, drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn

counters2

Description 'drop-flt-message-filtering': Filtering Drop: Message Type Not Permitted on Interface; 'drop-flt-apn-filtering': Filtering Drop: APN IMSI Filtering; 'drop-flt-msisdn-filtering': Filtering Drop: MSISDN Filtering; 'drop-flt-rat-type-filtering': Filtering Drop: RAT Type Filtering; 'drop-flt-gtp-in-gtp': Filtering Drop: GTP in GTP Tunnel Present; 'drop-rl-gtp-v0-c-agg': Rate-limit Drop: Maximum GTPv0-C Message rate; 'drop-rl-gtp-v1-c-agg': Rate-limit Drop: Maximum GTPv1-C Message rate; 'drop-rl-gtp-v2-c-agg': Rate-limit Drop: Maximum GTPv2-C Message rate; 'drop-rl-gtp-v1-c-create-pdp-request': Rate-limit Drop: GTPv1-C Create PDP Request rate; 'drop-rl-gtp-v2-c-create-session-request': Rate-limit Drop: GTPv2-C Create Session Request rate; 'drop-rl-gtp-v1-c-update-pdp-request': Rate-limit Drop: GTPv1-C Update PDP Request rate; 'drop-rl-gtp-v2-c-modify-bearer-request': Rate-limit Drop: GTPv2-C Modify Bearer Request rate; 'drop-rl-gtp-u-tunnel-create': Rate-

limit Drop: GTP-U Tunnel Creation rate; 'drop-rl-gtp-u-uplink-byte': Rate-limit Drop: GTP-U Uplink byte rate; 'drop-rl-gtp-u-uplink-packet': Rate-limit Drop: GTP-U Uplink packet rate; 'drop-rl-gtp-u-downlink-byte': Rate-limit Drop: GTP-U Downlink byte rate; 'drop-rl-gtp-u-downlink-packet': Rate-limit Drop: GTP-U Downlink packet rate; 'drop-rl-gtp-u-total-byte': Rate-limit Drop: GTP-U Total byte rate; 'drop-rl-gtp-u-total-packet': Rate-limit Drop: GTP-U Total packet rate; 'drop-rl-gtp-u-max-concurrent-tunnels': Rate-limit Drop: GTP-U Concurrent Tunnels;

Type: string

Supported Values: drop-flt-message-filtering, drop-flt-apn-filtering, drop-flt-msisdn-filtering, drop-flt-rat-type-filtering, drop-flt-gtp-in-gtp, drop-rl-gtp-v0-c-agg, drop-rl-gtp-v1-c-agg, drop-rl-gtp-v2-c-agg, drop-rl-gtp-v1-c-create-pdp-request, drop-rl-gtp-v2-c-create-session-request, drop-rl-gtp-v1-c-update-pdp-request, drop-rl-gtp-v2-c-modify-bearer-request, drop-rl-gtp-u-tunnel-create, drop-rl-gtp-u-uplink-byte, drop-rl-gtp-u-uplink-packet, drop-rl-gtp-u-downlink-byte, drop-rl-gtp-u-downlink-packet, drop-rl-gtp-u-total-byte, drop-rl-gtp-u-total-packet, drop-rl-gtp-u-max-concurrent-tunnels

lid-list

Specification	
Type	*list*
Block object keys	

ddos-protection-factor

Description Enable DDoS Protection (Multiplier of the downlink PPS)

Type: number

Range: 1-50

downlink-pps

Description Downlink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

downlink-throughput

Description Downlink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

lid-number

Description Lid Number

Type: number

Range: 1-1023

limit-cps

Description Enable Connections Per Second Rate Limit (Number of Connections per second)

Type: number

Range: 1-2147483647

limit-rate

Description 'limit-pps': Enable Packets Per Second Rate Limit; 'limit-throughput': Enable Throughput Rate Limit;

Type: string

Supported Values: limit-pps, limit-throughput

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-ip

Description: src-ip is a **JSON Block**. Please see below for *lid-list_src-ip*

Type: Object

total-pps

Description Total PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

total-throughput

Description Total Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

uplink-pps

Description Uplink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

uplink-throughput

Description Uplink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_src-ip

Specification	
Type	*object*

concurrent-sessions

Description Concurrent Session Limit per Source IP Address (Number of Concurrent Sessions)

Type: number

Range: 1-2147483647

log

Description Log when Session Limit is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description Source prefix length

Type: number

Range: 1-128

csv-list

Specification	
Type	*list*
Block object keys	

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

csv-list_multiple-fields

Specification	
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

ip-threat-action-list

Specification	
Type	*list*
Block object keys	

idle-timeout

Description Idle timeout in minutes(default:5)

Type: number

Range: 1-1440

Default: 5

log

Description 'enable': Enable logging; 'disable': Disable logging (Default);

Type: string

Supported Values: enable, disable

Default: disable

template-number

Description Template Number

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp

Specification	
Type	*object*

apn-imsi-list-list

Type: List

Refernce Object: */axapi/v3/template/gtp/apn-imsi-list/{name}*

filtering-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/filtering-policy/{name}*

general-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/general-policy/{name}*

logging-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/logging-policy/{name}*

message-filtering-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}*

msisdn-list-list

Type: List

Refernce Object: */axapi/v3/template/gtp/msisdn-list/{name}*

rate-limit-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/rate-limit-policy/{name}*

validation-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/validation-policy/{name}*

gtp_message-filtering-policy-list

Specification	
Type	*list*
Block object keys	

interface-type

Description 'roaming': Roaming Interface(S8/Gp); 'non-roaming': Non-Roaming Interface(S5/Gn);

Type: string

Supported Values: roaming, non-roaming

name

Description Specify name of the GTP Message Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v0

Description: version-v0 is a **JSON Block**. Please see below for *gtp_message-filtering-policy-list_version-v0*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0*

version-v1

Description: version-v1 is a **JSON Block**. Please see below for *gtp_message-filtering-policy-list_version-v1*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1*

version-v2

Description: version-v2 is a **JSON Block**. Please see below for *gtp_message-filtering-policy-list_version-v2*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2*

gtp_message-filtering-policy-list_version-v1

Specification	
Type	*object*

create-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

initiate-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

mbms-deregistration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-registration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ms-info-change

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_message-filtering-policy-list_version-v0

Specification	
Type	*object*

create-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_message-filtering-policy-list_version-v2

Specification	
Type	*object*

bearer-resource

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

change-notification

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-command

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

modify-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

modify-command

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pgw-downlink-trigger

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

remote-ue-report

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

resume

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

suspend

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

trace-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

update-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_msisdn-list-list

Specification	
Type	*list*
Block object keys	

action

Description 'permit': Create a whitelist to permit the packets that match MSISDN filters; 'deny': Create a blacklist to deny the packets that match MSISDN filters;

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP MSISDN list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_msisdn-list-list_str-list

Specification	
Type	*list*
Block object keys	

msisdn

Description Specify the MSISDN filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

gtp_general-policy-list

Specification	
Type	*list*
Block object keys	

handover-timeout

Description Tunnel Inactivity Timeout during Handover in minutes (default: 2 mins)

Type: number

Range: 1-63

Default: 2

max-mesg-length-action

Description 'monitor': Forward failed packet; 'drop': drop packet failing check(Default);

Type: string

Supported Values: monitor, drop

Default: drop

maximum-message-length

Description Maximum message length for a GTP message in bytes

Type: number

Range: 64-1500

Default: 1500

name

Description Specify name of the GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-timeout

Description Tunnel Inactivity Timeout in minutes (default: 1440 minutes)

Type: number

Range: 5-60000

Default: 1440

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-action

Description 'permit': Permit GTP-C version 0; 'drop': Drop GTP-C version 0(Default);

Type: string

Supported Values: permit, drop

Default: drop

gtp_filtering-policy-list

Specification	
Type	*list*
Block object keys	

apn-imsi-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

apn-imsi-filtering

Description Specify the APN IMSI Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/apn-imsi-list*

gtp-in-gtp-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

gtp-in-gtp-filtering

Description 'enable': Enable GTP-in-GTP Filtering; 'disable': Disable GTP-in-GTP Filtering;

Type: string

Supported Values: enable, disable

Default: enable

message-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

message-filtering-policy-name

Description Specify the Message Filtering Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy*

msisdn-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-filtering

Description Specify the MSISDN Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/msisdn-list*

name

Description Specify name of the GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rat-type-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

rat-type-filtering

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_filtering-policy-list_rat-type-filtering

Specification	
Type	*list*
Block object keys	

rat-type-value

Description 'utran': RAT Type for 3G Networks; 'geran': RAT Type for 2G Networks; 'wlan': RAT Type for WLAN Networks; 'gan': RAT Type for GAN Networks; 'hspa-evolution': RAT Type for HSPA Networks; 'eutran': RAT Type for 4G Networks;

Type: string

Supported Values: utran, geran, wlan, gan, hspa-evolution, eutran

gtp_rate-limit-policy-list

Specification	
Type	*list*
Block object keys	

gtp-u-downlink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in downlink direction

Type: number

Range: 1-2147483647

gtp-u-downlink-packet-rate

Description Maximum allowed of rate of GTP-U packets in downlink direction

Type: number

Range: 1-2147483647

gtp-u-max-concurrent-tunnels

Description Maximum allowed GTP-U tunnels per Peer/APN Filter

Type: number

Range: 1-2147483647

gtp-u-total-byte-rate

Description Maximum allowed of rate of GTP-U bytes total in both directions

Type: number

Range: 1-2147483647

gtp-u-total-packet-rate

Description Maximum allowed of rate of GTP-U packets total in both directions

Type: number

Range: 1-2147483647

gtp-u-tunnel-create-rate

Description Maximum allowed of rate of GTP-U tunnels

Type: number

Range: 1-2147483647

gtp-u-uplink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in uplink direction

Type: number

Range: 1-2147483647

gtp-u-uplink-packet-rate

Description Maximum allowed of rate of GTP-U packets in uplink direction

Type: number

Range: 1-2147483647

lockout

Description Lockout traffic from the source for a certain time period after rate exceeded (Lockout duration in minutes)

Type: number

Range: 1-1023

name

Description Specify name of the GTP Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rate-limit-action

Description 'monitor': Forward packet exceeding limit; 'drop': drop packet exceeding limit(default);

Type: string

Supported Values: monitor, drop

Default: drop

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-agg-message-type-rate

Description Maximum allowed GTPv0-C message rate of all types

Type: number

Range: 1-2147483647

v1-agg-message-type-rate

Description Maximum allowed GTPv1-C message rate of all types

Type: number

Range: 1-2147483647

v1-create-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Create PDP Request message type

Type: number

Range: 1-2147483647

v1-update-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Update PDP Request message type

Type: number

Range: 1-2147483647

v2-agg-message-type-rate

Description Maximum allowed GTPv2-C message rate of all types

Type: number

Range: 1-2147483647

v2-create-session-request-rate

Description Maximum allowed rate of GTPv2-C Create Session Request message type

Type: number

Range: 1-2147483647

v2-modify-bearer-request-rate

Description Maximum allowed rate of GTPv2-C Modify Bearer Request message type

Type: number

Range: 1-2147483647

gtp_apn-imsi-list-list

Specification	
Type	*list*
Block object keys	

action

Description 'permit': Create a whitelist to permit the packets that match APN IMSI filters; 'deny': Create a blacklist to deny the packets that match APN IMSI filters (default);

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP APN IMSI list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_apn-imsi-list-list_str-list

Specification	
Type	*list*
Block object keys	

apn

Description Specify the APN filter

Type: string

Format: string-rlx

Maximum Length: 100 characters

Maximum Length: 1 characters

imsi

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: imsi and selection-mode are mutually exclusive

imsi-selection

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

selection-mode

Description 'mobilestation': MS provided APN, subscription not verified; 'network': Network provided APN, subscription not verified; 'verified': MS or Network provided APN, subscription verified;

Type: string

Supported Values: mobilestation, network, verified

Mutual Exclusion: selection-mode and imsi are mutually exclusive

gtp_logging-policy-list

Specification	
Type	*list*
Block object keys	

log

Description: log is a **JSON Block**. Please see below for *gtp_logging-policy-list_log*

Type: Object

name

Description Specify name of the GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_logging-policy-list_log

Specification	
Type	*object*

anti-spoofing-check

Description Logging Packet Drop due to End User IP Address Spoofing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apn-imsi-filtering

Description Logging Packet Drop due to APN IMSI filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crosslayer-correlation

Description Logging Packet Drop due to mismatch in IP address and GTP FTEID/GSN address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-in-gtp-filtering

Description Logging Packet Drop due to GTP in GTP filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-header-check

Description Logging Packet Drop due to Invalid Header checks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-teid-check

Description Logging Packet Drop due to Invalid Tunnel Endpoint Identifier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mandatory-ie-check

Description Logging Packet Drop due to Missing Mandatory Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-message-length-check

Description Logging Packet Drop due to Max Message Length Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-filtering

Description Logging Packet Drop due to Message Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-filtering

Description Logging Packet Drop due to MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-imsi-correlation

Description Logging Packet Drop due to mismatch in Country Code and Mobile Country Code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-ie-check

Description Logging Packet Drop due to Out of Order Information Elements for GTPv1-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-state-ie-check

Description Logging Packet Drop due to Out of State Information Elements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rat-type-filtering

Description Logging Packet Drop due to RAT type filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reserved-ie-check

Description Logging Packet Drop due to Presence of Reserved Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sequence-num-correlation

Description Logging Packet Drop due to mismatch in Sequence number between GTP request and response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp_validation-policy-list

Specification	
Type	*list*
Block object keys	

anomaly-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anomaly-checks

Description 'enable': Enable Anomaly Checks for GTP Messages; 'disable': Disable Anomaly Checks for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

anti-spoofing-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anti-spoofing-check

Description 'enable': Enable Spoofed IP Address Check for GTP-U Messages; 'disable': Disable Spoofed IP Address Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

crosslayer-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

crosslayer-correlation

Description 'enable': Enable Cross Layer Correlation for GTP Messages; 'disable': Disable Cross Layer Correlation for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

mandatory-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

mandatory-ie-check

Description 'enable': Enable Mandatory IE Check for GTP Messages; 'disable': Disable Mandatory IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

msisdn-imsi-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-imsi-correlation

Description 'enable': Enable Country Code Correlation in MSISDN and IMSI for GTP Messages; 'disable': Disable Country Code Correlation in MSISDN and IMSI for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

name

Description Specify name of the GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

out-of-order-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-order-ie-check

Description 'enable': Enable Out of Order IE Check for GTP Messages; 'disable': Disable Out of Order IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

out-of-state-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-state-ie-check

Description 'enable': Enable Out of State IE Check for GTP Messages; 'disable': Disable Out of State IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

reserved-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

reserved-ie-check

Description 'enable': Enable Reserved IE Check for GTP Messages; 'disable': Disable Reserved IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

sequence-num-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

sequence-num-correlation

Description 'enable': Enable Sequence number correlation between GTP Request and Responses; 'disable': Disable Sequence number correlation between GTP Request and Responses;

Type: string

Supported Values: enable, disable

Default: disable

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp-list

Specification	
Type	*list*
Block object keys	

checksum-check

Description 'enable': Enable Checksum check;

Type: string

Supported Values: enable

log

Description: log is a **JSON Block**. Please see below for *sctp-list_log*

Type: Object

name

Description SCTP Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

permit-payload-protocol

Description: permit-payload-protocol is a **JSON Block**. Please see below for *sctp-list_permit-payload-protocol*

Type: Object

sctp-half-open-idle-timeout

Description Set SCTP half-open timeout (SCTP half-open timeout in seconds (default 4))

Type: number

Range: 2-30

Default: 4

sctp-idle-timeout

Description SCTP idle timeout in minutes (default 5)

Type: number

Range: 1-63

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp-list_log

Specification	
Type	*object*

payload-proto-filtering

Description Log Payload Protocol IDs Filtered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sctp-list_permit-payload-protocol

Specification	
Type	*object*

permit-config-id

Type: List

permit-config-name

Type: List

sctp-list_permit-payload-protocol_permit-config-id

Specification	
Type	*list*
Block object keys	

protocol-id

Description Specify SCTP permitted payload protocol IDs

Type: number

Range: 1-63

sctp-list_permit-payload-protocol_permit-config-name

Specification	
Type	*list*
Block object keys	

protocol-name

Description 'iua': IUA; 'm2ua': M2UA; 'm3ua': M3UA; 'sua': SUA; 'm2pa': M2PA; 'h.323': H.323;

Type: string

Supported Values: iua, m2ua, m3ua, sua, m2pa, h.323

limit-policy-list

Specification	
Type	*list*
Block object keys	

ddos-protection-factor

Description Enable DDoS Protection (Multiplier of the downlink PPS)

Type: number

Range: 1-50

downlink-pps

Description Downlink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

downlink-throughput

Description Downlink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

limit-concurrent-sessions

Description Enable Concurrent Session Limit (Number of Concurrent Sessions)

Type: number

Range: 1-2147483647

limit-cps

Description Enable Connections Per Second Rate Limit (Number of Connections per second)

Type: number

Range: 1-2147483647

limit-rate

Description 'limit-pps': Enable Packets Per Second Rate Limit; 'limit-throughput': Enable Throughput Rate Limit;

Type: string

Supported Values: limit-pps, limit-throughput

limit-scope

Description 'aggregate': Rule Level; 'subscriber-ip': Subscriber IP Level; 'subscriber-prefix': Subscriber Prefix Level;

Type: string

Supported Values: aggregate, subscriber-ip, subscriber-prefix

Default: subscriber-ip

log

Description Log when Session Limit is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

policy-number

Description Limit Policy Number

Type: number

Range: 1-1023

prefix-length

Description Prefix length

Type: number

Range: 1-128

total-pps

Description Total PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

total-throughput

Description Total Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

uplink-pps

Description Uplink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

uplink-throughput

Description Uplink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syslog-over-tls

Specification	
Type	*object*

ca-str

Description CA Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.2 template csv

Specify csv template

csv Specification

Type	*Collection*
Object Key(s)	*csv-name*
Collection Name	*csv-list*
Collection URI	/axapi/v3/template/csv
Element Name	csv
Element URI	/axapi/v3/template/csv/{csv-name}
Element Attributes	csv_attributes
Schema	`csv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/csv

csv attributes

Create List

POST

/axapi/v3/template/csv

csv attributes

Get Object

GET

/axapi/v3/template/csv/{csv-name}

csv attributes

Get List

GET

/axapi/v3/template/csv

csv-list

Modify Object

POST

/axapi/v3/template/csv/{csv-name}

csv attributes

Replace Object

PUT

/axapi/v3/template/csv/{csv-name}

csv attributes

Replace List

PUT

/axapi/v3/template/csv

csv-list

Delete Object

DELETE

/axapi/v3/template/csv/{csv-name}

csv attributes

csv-list

csv-list is **JSON List** of *csv attributes*

csv-list : [

{ *csv attributes* },

{ *csv attributes* },

...

]

csv attributes

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

multiple-fields

Specification	
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

2.108.3 template gtp

Define a GTP template

gtp Specification

Type	*Intermediate Resource*
Element Name	gtp
Element URI	/axapi/v3/template/gtp
Element Attributes	gtp_attributes
Schema	`gtp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/template/gtp

gtp_attributes

gtp attributes

apn-imsi-list-list

Type: List

Refernce Object: */axapi/v3/template/gtp/apn-imsi-list/{name}*

filtering-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/filtering-policy/{name}*

general-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/general-policy/{name}*

logging-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/logging-policy/{name}*

message-filtering-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}*

msisdn-list-list

Type: List

Refernce Object: */axapi/v3/template/gtp/msisdn-list/{name}*

rate-limit-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/rate-limit-policy/{name}*

validation-policy-list

Type: List

Refernce Object: */axapi/v3/template/gtp/validation-policy/{name}*

message-filtering-policy-list

Specification	
Type	*list*
Block object keys	

interface-type

Description 'roaming': Roaming Interface(S8/Gp); 'non-roaming': Non-Roaming Interface(S5/Gn);

Type: string

Supported Values: roaming, non-roaming

name

Description Specify name of the GTP Message Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v0

Description: version-v0 is a **JSON Block**. Please see below for *message-filtering-policy-list_version-v0*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0*

version-v1

Description: version-v1 is a **JSON Block**. Please see below for *message-filtering-policy-list_version-v1*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1*

version-v2

Description: version-v2 is a **JSON Block**. Please see below for *message-filtering-policy-list_version-v2*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2*

message-filtering-policy-list_version-v1

Specification	
Type	*object*

create-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

initiate-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

mbms-deregistration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-registration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ms-info-change

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-filtering-policy-list_version-v0

Specification	
Type	*object*

create-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-filtering-policy-list_version-v2

Specification	
Type	*object*

bearer-resource

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

change-notification

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-command

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

modify-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

modify-command

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pgw-downlink-trigger

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

remote-ue-report

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

resume

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

suspend

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

trace-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

update-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

msisdn-list-list

Specification	
Type	*list*
Block object keys	

action

Description 'permit': Create a whitelist to permit the packets that match MSISDN filters; 'deny': Create a blacklist to deny the packets that match MSISDN filters;

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP MSISDN list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

msisdn-list-list_str-list

Specification	
Type	*list*
Block object keys	

msisdn

Description Specify the MSISDN filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

general-policy-list

Specification	
Type	*list*
Block object keys	

handover-timeout

Description Tunnel Inactivity Timeout during Handover in minutes (default: 2 mins)

Type: number

Range: 1-63

Default: 2

max-mesg-length-action

Description 'monitor': Forward failed packet; 'drop': drop packet failing check(Default);

Type: string

Supported Values: monitor, drop

Default: drop

maximum-message-length

Description Maximum message length for a GTP message in bytes

Type: number

Range: 64-1500

Default: 1500

name

Description Specify name of the GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-timeout

Description Tunnel Inactivity Timeout in minutes (default: 1440 minutes)

Type: number

Range: 5-60000

Default: 1440

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-action

Description 'permit': Permit GTP-C version 0; 'drop': Drop GTP-C version 0(Default);

Type: string

Supported Values: permit, drop

Default: drop

filtering-policy-list

Specification	
Type	*list*
Block object keys	

apn-imsi-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

apn-imsi-filtering

Description Specify the APN IMSI Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/apn-imsi-list*

gtp-in-gtp-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

gtp-in-gtp-filtering

Description 'enable': Enable GTP-in-GTP Filtering; 'disable': Disable GTP-in-GTP Filtering;

Type: string

Supported Values: enable, disable

Default: enable

message-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

message-filtering-policy-name

Description Specify the Message Filtering Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy*

msisdn-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-filtering

Description Specify the MSISDN Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/msisdn-list*

name

Description Specify name of the GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rat-type-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

rat-type-filtering

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

filtering-policy-list_rat-type-filtering

Specification	
Type	*list*
Block object keys	

rat-type-value

Description 'utran': RAT Type for 3G Networks; 'geran': RAT Type for 2G Networks; 'wlan': RAT Type for WLAN Networks; 'gan': RAT Type for GAN Networks; 'hspa-evolution': RAT Type for HSPA Networks; 'eutran': RAT Type for 4G Networks;

Type: string

Supported Values: utran, geran, wlan, gan, hspa-evolution, eutran

rate-limit-policy-list

Specification	
Type	*list*
Block object keys	

gtp-u-downlink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in downlink direction

Type: number

Range: 1-2147483647

gtp-u-downlink-packet-rate

Description Maximum allowed of rate of GTP-U packets in downlink direction

Type: number

Range: 1-2147483647

gtp-u-max-concurrent-tunnels

Description Maximum allowed GTP-U tunnels per Peer/APN Filter

Type: number

Range: 1-2147483647

gtp-u-total-byte-rate

Description Maximum allowed of rate of GTP-U bytes total in both directions

Type: number

Range: 1-2147483647

gtp-u-total-packet-rate

Description Maximum allowed of rate of GTP-U packets total in both directions

Type: number

Range: 1-2147483647

gtp-u-tunnel-create-rate

Description Maximum allowed of rate of GTP-U tunnels

Type: number

Range: 1-2147483647

gtp-u-uplink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in uplink direction

Type: number

Range: 1-2147483647

gtp-u-uplink-packet-rate

Description Maximum allowed of rate of GTP-U packets in uplink direction

Type: number

Range: 1-2147483647

lockout

Description Lockout traffic from the source for a certain time period after rate exceeded (Lockout duration in minutes)

Type: number

Range: 1-1023

name

Description Specify name of the GTP Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rate-limit-action

Description 'monitor': Forward packet exceeding limit; 'drop': drop packet exceeding limit(default);

Type: string

Supported Values: monitor, drop

Default: drop

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-agg-message-type-rate

Description Maximum allowed GTPv0-C message rate of all types

Type: number

Range: 1-2147483647

v1-agg-message-type-rate

Description Maximum allowed GTPv1-C message rate of all types

Type: number

Range: 1-2147483647

v1-create-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Create PDP Request message type

Type: number

Range: 1-2147483647

v1-update-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Update PDP Request message type

Type: number

Range: 1-2147483647

v2-agg-message-type-rate

Description Maximum allowed GTPv2-C message rate of all types

Type: number

Range: 1-2147483647

v2-create-session-request-rate

Description Maximum allowed rate of GTPv2-C Create Session Request message type

Type: number

Range: 1-2147483647

v2-modify-bearer-request-rate

Description Maximum allowed rate of GTPv2-C Modify Bearer Request message type

Type: number

Range: 1-2147483647

apn-imsi-list-list

Specification	
Type	*list*
Block object keys	

action

Description 'permit': Create a whitelist to permit the packets that match APN IMSI filters; 'deny': Create a blacklist to deny the packets that match APN IMSI filters (default);

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP APN IMSI list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apn-imsi-list-list_str-list

Specification	
Type	*list*
Block object keys	

apn

Description Specify the APN filter

Type: string

Format: string-rlx

Maximum Length: 100 characters

Maximum Length: 1 characters

imsi

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: imsi and selection-mode are mutually exclusive

imsi-selection

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

selection-mode

Description 'mobilestation': MS provided APN, subscription not verified; 'network': Network provided APN, subscription not verified; 'verified': MS or Network provided APN, subscription verified;

Type: string

Supported Values: mobilestation, network, verified

Mutual Exclusion: selection-mode and imsi are mutually exclusive

logging-policy-list

Specification	
Type	*list*
Block object keys	

log

Description: log is a **JSON Block**. Please see below for *logging-policy-list_log*

Type: Object

name

Description Specify name of the GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-policy-list_log

Specification	
Type	*object*

anti-spoofing-check

Description Logging Packet Drop due to End User IP Address Spoofing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apn-imsi-filtering

Description Logging Packet Drop due to APN IMSI filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crosslayer-correlation

Description Logging Packet Drop due to mismatch in IP address and GTP FTEID/GSN address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-in-gtp-filtering

Description Logging Packet Drop due to GTP in GTP filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-header-check

Description Logging Packet Drop due to Invalid Header checks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-teid-check

Description Logging Packet Drop due to Invalid Tunnel Endpoint Identifier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mandatory-ie-check

Description Logging Packet Drop due to Missing Mandatory Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-message-length-check

Description Logging Packet Drop due to Max Message Length Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-filtering

Description Logging Packet Drop due to Message Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-filtering

Description Logging Packet Drop due to MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-imsi-correlation

Description Logging Packet Drop due to mismatch in Country Code and Mobile Country Code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-ie-check

Description Logging Packet Drop due to Out of Order Information Elements for GTPv1-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-state-ie-check

Description Logging Packet Drop due to Out of State Information Elements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rat-type-filtering

Description Logging Packet Drop due to RAT type filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reserved-ie-check

Description Logging Packet Drop due to Presence of Reserved Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sequence-num-correlation

Description Logging Packet Drop due to mismatch in Sequence number between GTP request and response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

validation-policy-list

Specification	
Type	*list*
Block object keys	

anomaly-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anomaly-checks

Description 'enable': Enable Anomaly Checks for GTP Messages; 'disable': Disable Anomaly Checks for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

anti-spoofing-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anti-spoofing-check

Description 'enable': Enable Spoofed IP Address Check for GTP-U Messages; 'disable': Disable Spoofed IP Address Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

crosslayer-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

crosslayer-correlation

Description 'enable': Enable Cross Layer Correlation for GTP Messages; 'disable': Disable Cross Layer Correlation for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

mandatory-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

mandatory-ie-check

Description 'enable': Enable Mandatory IE Check for GTP Messages; 'disable': Disable Mandatory IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

msisdn-imsi-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-imsi-correlation

Description 'enable': Enable Country Code Correlation in MSISDN and IMSI for GTP Messages; 'disable': Disable Country Code Correlation in MSISDN and IMSI for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

name

Description Specify name of the GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

out-of-order-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-order-ie-check

Description 'enable': Enable Out of Order IE Check for GTP Messages; 'disable': Disable Out of Order IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

out-of-state-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-state-ie-check

Description 'enable': Enable Out of State IE Check for GTP Messages; 'disable': Disable Out of State IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

reserved-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

reserved-ie-check

Description 'enable': Enable Reserved IE Check for GTP Messages; 'disable': Disable Reserved IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

sequence-num-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

sequence-num-correlation

Description 'enable': Enable Sequence number correlation between GTP Request and Responses; 'disable': Disable Sequence number correlation between GTP Request and Responses;

Type: string

Supported Values: enable, disable

Default: disable

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.4 template gtp apn-imsi-list

Configure GTP APN IMSI list

apn-imsi-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*apn-imsi-list-list*
Collection URI	/axapi/v3/template/gtp/apn-imsi-list
Element Name	apn-imsi-list
Element URI	/axapi/v3/template/gtp/apn-imsi-list/{name}
Element Attributes	apn-imsi-list_attributes
Schema	`apn-imsi-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/apn-imsi-list

apn-imsi-list attributes

Create List

POST

/axapi/v3/template/gtp/apn-imsi-list

apn-imsi-list attributes

Get Object

GET

/axapi/v3/template/gtp/apn-imsi-list/{name}

apn-imsi-list attributes

Get List

GET

/axapi/v3/template/gtp/apn-imsi-list

apn-imsi-list-list

Modify Object

POST

/axapi/v3/template/gtp/apn-imsi-list/{name}

apn-imsi-list attributes

Replace Object

PUT

/axapi/v3/template/gtp/apn-imsi-list/{name}

apn-imsi-list attributes

Replace List

PUT

/axapi/v3/template/gtp/apn-imsi-list

apn-imsi-list-list

Delete Object

DELETE

/axapi/v3/template/gtp/apn-imsi-list/{name}

apn-imsi-list attributes

apn-imsi-list-list

apn-imsi-list-list is **JSON List** of *apn-imsi-list attributes*

apn-imsi-list-list : [

{ *apn-imsi-list attributes* },

{ *apn-imsi-list attributes* },

...

]

apn-imsi-list attributes

action

Description 'permit': Create a whitelist to permit the packets that match APN IMSI filters; 'deny': Create a blacklist to deny the packets that match APN IMSI filters;

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP APN IMSI list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

str-list

Specification	
Type	*list*
Block object keys	

apn

Description Specify the APN filter

Type: string

Format: string-rlx

Maximum Length: 100 characters

Maximum Length: 1 characters

imsi

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: imsi and selection-mode are mutually exclusive

imsi-selection

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

selection-mode

Description 'mobilestation': MS provided APN, subscription not verified; 'network': Network provided APN, subscription not verified; 'verified': MS or Network provided APN, subscription verified;

Type: string

Supported Values: mobilestation, network, verified

Mutual Exclusion: selection-mode and imsi are mutually exclusive

2.108.5 template gtp-filter-list

Configure APN and IMSI filter list

gtp-filter-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*gtp-filter-list-list*
Collection URI	/axapi/v3/template/gtp-filter-list
Element Name	gtp-filter-list
Element URI	/axapi/v3/template/gtp-filter-list/{name}
Element Attributes	gtp-filter-list_attributes
Schema	`gtp-filter-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp-filter-list

gtp-filter-list attributes

Create List

POST

/axapi/v3/template/gtp-filter-list

gtp-filter-list attributes

Get Object

GET

/axapi/v3/template/gtp-filter-list/{name}

gtp-filter-list attributes

Get List

GET

/axapi/v3/template/gtp-filter-list

gtp-filter-list-list

Modify Object

POST

/axapi/v3/template/gtp-filter-list/{name}

gtp-filter-list attributes

Replace Object

PUT

/axapi/v3/template/gtp-filter-list/{name}

gtp-filter-list attributes

Replace List

PUT

/axapi/v3/template/gtp-filter-list

gtp-filter-list-list

Delete Object

DELETE

/axapi/v3/template/gtp-filter-list/{name}

gtp-filter-list attributes

gtp-filter-list-list

gtp-filter-list-list is **JSON List** of *gtp-filter-list attributes*

gtp-filter-list-list : [

{ *gtp-filter-list attributes* },

{ *gtp-filter-list attributes* },

...

]

gtp-filter-list attributes

name

Description Specify name of the filter list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

str-list

Specification	
Type	*list*
Block object keys	

apn

Description Specify the APN

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

imsi

Description Set the IMSI number

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: imsi and selection-mode are mutually exclusive

imsi-selection

Description Specify the IMSI number

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

selection-mode

Description 'mobilestation': MS provided APN, subscription not verified; 'network': Network provided APN, subscription not verified; 'verified': MS or Network provided APN, subscription verified;

Type: string

Supported Values: mobilestation, network, verified

Mutual Exclusion: selection-mode and imsi are mutually exclusive

2.108.6 template gtp filtering-policy

Configure GTP Filtering Policy

filtering-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*filtering-policy-list*
Collection URI	/axapi/v3/template/gtp/filtering-policy
Element Name	filtering-policy
Element URI	/axapi/v3/template/gtp/filtering-policy/{name}
Element Attributes	filtering-policy_attributes
Schema	`filtering-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/filtering-policy

filtering-policy attributes

Create List

POST

/axapi/v3/template/gtp/filtering-policy

filtering-policy attributes

Get Object

GET

/axapi/v3/template/gtp/filtering-policy/{name}

filtering-policy attributes

Get List

GET

/axapi/v3/template/gtp/filtering-policy

filtering-policy-list

Modify Object

POST

/axapi/v3/template/gtp/filtering-policy/{name}

filtering-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/filtering-policy/{name}

filtering-policy attributes

Replace List

PUT

/axapi/v3/template/gtp/filtering-policy

filtering-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/filtering-policy/{name}

filtering-policy attributes

filtering-policy-list

filtering-policy-list is **JSON List** of *filtering-policy attributes*

filtering-policy-list : [

{ *filtering-policy attributes* },

{ *filtering-policy attributes* },

...

]

filtering-policy attributes

apn-imsi-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

apn-imsi-filtering

Description Specify the APN IMSI Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/apn-imsi-list*

gtp-in-gtp-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

gtp-in-gtp-filtering

Description 'enable': Enable GTP-in-GTP Filtering; 'disable': Disable GTP-in-GTP Filtering;

Type: string

Supported Values: enable, disable

Default: enable

message-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

message-filtering-policy-name

Description Specify the Message Filtering Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy*

msisdn-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-filtering

Description Specify the MSISDN Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/msisdn-list*

name

Description Specify name of the GTP MSISDN list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rat-type-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

rat-type-filtering

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rat-type-filtering

Specification	
Type	*list*
Block object keys	

rat-type-value

Description 'utran': RAT Type for 3G Networks; 'geran': RAT Type for 2G Networks; 'wlan': RAT Type for WLAN Networks; 'gan': RAT Type for GAN Networks; 'hspa-evolution': RAT Type for HSPA Networks; 'eutran': RAT Type for 4G Networks;

Type: string

Supported Values: utran, geran, wlan, gan, hspa-evolution, eutran

2.108.7 template gtp general-policy

Configure GTP General Policy

general-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*general-policy-list*
Collection URI	/axapi/v3/template/gtp/general-policy
Element Name	general-policy
Element URI	/axapi/v3/template/gtp/general-policy/{name}
Element Attributes	general-policy_attributes
Schema	`general-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/general-policy

general-policy attributes

Create List

POST

/axapi/v3/template/gtp/general-policy

general-policy attributes

Get Object

GET

/axapi/v3/template/gtp/general-policy/{name}

general-policy attributes

Get List

GET

/axapi/v3/template/gtp/general-policy

general-policy-list

Modify Object

POST

/axapi/v3/template/gtp/general-policy/{name}

general-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/general-policy/{name}

general-policy attributes

Replace List

PUT

/axapi/v3/template/gtp/general-policy

general-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/general-policy/{name}

general-policy attributes

general-policy-list

general-policy-list is **JSON List** of *general-policy attributes*

```
general-policy-list : [
        { general-policy attributes },
        { general-policy attributes },
        ...
    ]
```

general-policy attributes

handover-timeout

Description Tunnel Inactivity Timeout during Handover in minutes (default: 2 mins)

Type: number

Range: 1-63

Default: 2

max-mesg-length-action

Description 'monitor': Forward failed packet; 'drop': drop packet failing check(Default);

Type: string

Supported Values: monitor, drop

Default: drop

maximum-message-length

Description Maximum message length for a GTP message in bytes

Type: number

Range: 64-1500

Default: 1500

name

Description Specify name of the GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-timeout

Description Tunnel Inactivity Timeout in minutes (default: 1440 minutes)

Type: number

Range: 5-60000

Default: 1440

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-action

Description 'permit': Permit GTP-C version 0;

Type: string

Supported Values: permit, drop

Default: drop

2.108.8 template gtp logging-policy

Configure GTP Logging Policy

logging-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-policy-list*
Collection URI	/axapi/v3/template/gtp/logging-policy
Element Name	logging-policy
Element URI	/axapi/v3/template/gtp/logging-policy/{name}
Element Attributes	logging-policy_attributes
Schema	`logging-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/logging-policy

logging-policy attributes

Create List

POST

/axapi/v3/template/gtp/logging-policy

logging-policy attributes

Get Object

GET

/axapi/v3/template/gtp/logging-policy/{name}

logging-policy attributes

Get List

GET

/axapi/v3/template/gtp/logging-policy

logging-policy-list

Modify Object

POST

/axapi/v3/template/gtp/logging-policy/{name}

logging-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/logging-policy/{name}

logging-policy attributes

Replace List

PUT

/axapi/v3/template/gtp/logging-policy

logging-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/logging-policy/{name}

logging-policy attributes

logging-policy-list

logging-policy-list is **JSON List** of *logging-policy attributes*

logging-policy-list : [

{ *logging-policy attributes* },

{ *logging-policy attributes* },

...

]

logging-policy attributes

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

name

Description Specify name of the GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log

Specification	
Type	*object*

anti-spoofing-check

Description Logging Packet Drop due to End User IP Address Spoofing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apn-imsi-filtering

Description Logging Packet Drop due to APN IMSI filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crosslayer-correlation

Description Logging Packet Drop due to mismatch in IP address and GTP FTEID/GSN address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-in-gtp-filtering

Description Logging Packet Drop due to GTP in GTP filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-header-check

Description Logging Packet Drop due to Invalid Header checks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-teid-check

Description Logging Packet Drop due to Invalid Tunnel Endpoint Identifier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mandatory-ie-check

Description Logging Packet Drop due to Missing Mandatory Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-message-length-check

Description Logging Packet Drop due to Max Message Length Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-filtering

Description Logging Packet Drop due to Message Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-filtering

Description Logging Packet Drop due to MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-imsi-correlation

Description Logging Packet Drop due to mismatch in Country Code and Mobile Country Code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-ie-check

Description Logging Packet Drop due to Out of Order Information Elements for GTPv1-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-state-ie-check

Description Logging Packet Drop due to Out of State Information Elements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rat-type-filtering

Description Logging Packet Drop due to RAT type filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reserved-ie-check

Description Logging Packet Drop due to Presence of Reserved Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sequence-num-correlation

Description Logging Packet Drop due to mismatch in Sequence number between GTP request and response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.108.9 template gtp message-filtering-policy

Configure GTP Message Filtering Policy

message-filtering-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*message-filtering-policy-list*
Collection URI	/axapi/v3/template/gtp/message-filtering-policy
Element Name	message-filtering-policy
Element URI	/axapi/v3/template/gtp/message-filtering-policy/{name}
Element Attributes	message-filtering-policy_attributes
Schema	`message-filtering-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/message-filtering-policy

message-filtering-policy attributes

Create List

POST

/axapi/v3/template/gtp/message-filtering-policy

message-filtering-policy attributes

Get Object

GET

/axapi/v3/template/gtp/message-filtering-policy/{name}

message-filtering-policy attributes

Get List

GET

/axapi/v3/template/gtp/message-filtering-policy

message-filtering-policy-list

Modify Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}

message-filtering-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/message-filtering-policy/{name}

message-filtering-policy attributes

Replace List

PUT

/axapi/v3/template/gtp/message-filtering-policy

message-filtering-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/message-filtering-policy/{name}

message-filtering-policy attributes

message-filtering-policy-list

message-filtering-policy-list is **JSON List** of *message-filtering-policy attributes*

message-filtering-policy-list : [

{ *message-filtering-policy attributes* },

{ *message-filtering-policy attributes* },

...

]

message-filtering-policy attributes

interface-type

Description 'roaming': Roaming Interface(S8/Gp); 'non-roaming': Non-Roaming Interface(S5/Gn);

Type: string

Supported Values: roaming, non-roaming

name

Description Specify name of the GTP Message Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v0

Description: version-v0 is a **JSON Block**. Please see below for *version-v0*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0*

version-v1

Description: version-v1 is a **JSON Block**. Please see below for *version-v1*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1*

version-v2

Description: version-v2 is a **JSON Block**. Please see below for *version-v2*

Type: Object

Refernce Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2*

version-v1

Specification	
Type	*object*

create-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

initiate-pdp

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

mbms-deregistration

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-notification

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-registration

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ms-info-change

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v0

Specification	
Type	*object*

create-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v2

Specification	
Type	*object*

bearer-resource

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

change-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-command

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description ‘enable’: Enable Message Filtering on version; ‘disable’: Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

modify-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

modify-command

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pgw-downlink-trigger

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

remote-ue-report

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

resume

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

suspend

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

trace-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

update-pdn

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.10 template gtp message-filtering-policy version-v0

Configure Message Filtering Policy for GTPv0 Control Messages,

version-v0 Specification

Type	*Configuration Resource*
Element Name	version-v0
Element URI	/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0
Element Attributes	version-v0_attributes
Schema	`version-v0 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

Get Object

GET

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

Modify Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

Replace Object

PUT

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

Delete Object

DELETE

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

version-v0 attributes

create-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.11 template gtp message-filtering-policy version-v1

Configure Message Filtering Policy for GTPv1 Control Messages,

version-v1 Specification

Type	*Configuration Resource*
Element Name	version-v1
Element URI	/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1
Element Attributes	version-v1_attributes
Schema	`version-v1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

Get Object

GET

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

Modify Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

Replace Object

PUT

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

Delete Object

DELETE

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

version-v1 attributes

create-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

initiate-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

mbms-deregistration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-registration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ms-info-change

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.12 template gtp message-filtering-policy version-v2

Configure Message Filtering Policy for GTPv2 Control Messages

version-v2 Specification

Type	*Configuration Resource*
Element Name	version-v2
Element URI	/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2
Element Attributes	version-v2_attributes
Schema	`version-v2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

Get Object

GET

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

Modify Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

Replace Object

PUT

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

Delete Object

DELETE

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

version-v2 attributes

bearer-resource

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

change-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-command

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description ‘enable’: Enable Message Filtering on version; ‘disable’: Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

modify-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

modify-command

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pgw-downlink-trigger

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

remote-ue-report

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

resume

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

suspend

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

trace-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

update-pdn

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.13 template gtp msisdn-list

Configure GTP MSISDN list

msisdn-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*msisdn-list-list*
Collection URI	/axapi/v3/template/gtp/msisdn-list
Element Name	msisdn-list
Element URI	/axapi/v3/template/gtp/msisdn-list/{name}
Element Attributes	msisdn-list_attributes
Schema	`msisdn-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/msisdn-list

msisdn-list attributes

Create List

POST

/axapi/v3/template/gtp/msisdn-list

msisdn-list attributes

Get Object

GET

/axapi/v3/template/gtp/msisdn-list/{name}

msisdn-list attributes

Get List

GET

/axapi/v3/template/gtp/msisdn-list

msisdn-list-list

Modify Object

POST

/axapi/v3/template/gtp/msisdn-list/{name}

msisdn-list attributes

Replace Object

PUT

/axapi/v3/template/gtp/msisdn-list/{name}

msisdn-list attributes

Replace List

PUT

/axapi/v3/template/gtp/msisdn-list

msisdn-list-list

Delete Object

DELETE

/axapi/v3/template/gtp/msisdn-list/{name}

msisdn-list attributes

msisdn-list-list

msisdn-list-list is **JSON List** of *msisdn-list attributes*

msisdn-list-list : [

{ *msisdn-list attributes* },

{ *msisdn-list attributes* },

...

]

msisdn-list attributes

action

Description 'permit': Create a whitelist to permit the packets that match MSISDN filters; 'deny': Create a blacklist to deny the packets that match MSISDN filters;

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP MSISDN list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

str-list

Specification	
Type	*list*
Block object keys	

msisdn

Description Specify the MSISDN filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

2.108.14 template gtp-policy

Configure GTP Policy

gtp-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*gtp-policy-list*
Collection URI	/axapi/v3/template/gtp-policy
Element Name	gtp-policy
Element URI	/axapi/v3/template/gtp-policy/{name}
Element Attributes	gtp-policy_attributes
Schema	`gtp-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp-policy

gtp-policy attributes

Create List

POST

/axapi/v3/template/gtp-policy

gtp-policy attributes

Get Object

GET

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

Get List

GET

/axapi/v3/template/gtp-policy

gtp-policy-list

Modify Object

POST

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

Replace List

PUT

/axapi/v3/template/gtp-policy

gtp-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

gtp-policy-list

gtp-policy-list is **JSON List** of *gtp-policy attributes*

gtp-policy-list : [

{ *gtp-policy attributes* },

{ *gtp-policy attributes* },

...

]

gtp-policy attributes

filtering-policy-name

Description Configure GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/filtering-policy*

general-policy-name

Description Configure GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/general-policy*

logging-policy-name

Description Configure GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/logging-policy*

name

Description Configure the GTP Policy Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl*

rate-limit-policy-name

Description Configure Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/rate-limit-policy*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

validation-policy-name

Description Configure GTP Protocol Validation Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/template/gtp/validation-policy*

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'gtp-v0-c-tunnel-created': GTPv0-C Tunnel Created; 'gtp-v0-c-tunnel-half-open': GTPv0-C Tunnel Create Request; 'gtp-v0-c-tunnel-half-closed': GTPv0-C Tunnel Delete Request; 'gtp-v0-c-tunnel-closed': GTPv0-C Tunnel Marked Deleted; 'gtp-v0-c-tunnel-deleted': GTPv0-C Tunnel Deleted; 'gtp-v1-c-tunnel-created': GTPv1-C Tunnel Created; 'gtp-v1-c-tunnel-half-open': GTPv1-C Tunnel Create Request; 'gtp-v1-c-tunnel-half-closed': GTPv1-C Tunnel Delete Request; 'gtp-v1-c-tunnel-closed': GTPv1-C Tunnel Marked Deleted; 'gtp-v1-c-tunnel-deleted': GTPv1-C Tunnel Deleted; 'gtp-v2-c-tunnel-created': GTPv2-C Tunnel Created; 'gtp-v2-c-tunnel-half-open': GTPv2-C Tunnel Create Request; 'gtp-v2-c-tunnel-half-closed': GTPv2-C Tunnel Delete Request; 'gtp-v2-c-tunnel-closed': GTPv2-C Tunnel Marked Deleted; 'gtp-v2-c-tunnel-deleted': GTPv2-C Tunnel Deleted; 'gtp-u-tunnel-created': GTP-U Tunnel Created; 'gtp-u-tunnel-deleted': GTP-U Tunnel Deleted; 'gtp-v0-c-update-pdp-resp-unsuccess': GTPv0-C Update PDP Context Response Unsuccessful; 'gtp-v1-c-update-pdp-resp-unsuccess': GTPv1-C Update PDP Context Response Unsuccessful; 'gtp-v2-c-mod_bearer-resp-unsuccess': GTPv2-C Modify Bearer Response Unsuccessful; 'gtp-v0-c-create-pdp-resp-unsuccess': GTPv0-C Create PDP Context

Response Unsuccessful; 'gtp-v1-c-create-pdp-resp-unsuccess': GTPv1-C Create PDP Context Response Unsuccessful; 'gtp-v2-c-create-sess-resp-unsuccess': GTPv2-C Create Session Response Unsuccessful; 'gtp-v2-c-piggyback-message': GTPv2-C Piggyback Message; 'gtp-path-management-message': GTP Path Management Messages Received; 'gtp-v0-c-tunnel-deleted-restart': GTPv0-C Tunnel Deleted with Restart/failure; 'gtp-v1-c-tunnel-deleted-restart': GTPv1-C Tunnel Deleted with Restart/failure; 'gtp-v2-c-tunnel-deleted-restart': GTPv2-C Tunnel Deleted with Restart/failure; 'drop-vld-reserved-field-set': Validation Drop: Reserved Header Field Set; 'drop-vld-tunnel-id-flag': Validation Drop: Tunnel Header Flag Not Set; 'drop-vld-invalid-flow-label-v0': Validation Drop: Invalid Flow Label in GTPv0-C Header; 'drop-vld-invalid-teid': Validation Drop: Invalid TEID Value; 'drop-vld-unsupported-message-type': Validation Drop: Message type not supported in GTP-C; 'drop-vld-out-of-state': Validation Drop: Out Of State GTP Message; 'drop-vld-mandatory-information-element': Validation Drop: Mandatory IE Not Present; 'drop-vld-out-of-order-ie': Validation Drop: GTPv1-C Message Out of Order IE; 'drop-vld-out-of-state-ie': Validation Drop: Unexpected IE Present in Message; 'drop-vld-reserved-information-element': Validation Drop: Reserved IE Field Present; 'drop-vld-version-not-supported': Validation Drop: Invalid GTP version; 'drop-vld-message-length': Validation Drop: Message Length Exceeded; 'drop-vld-cross-layer-correlation': Validation Drop: Cross Layer IP Address Mismatch; 'drop-vld-country-code-mismatch': Validation Drop: Country Code Mismatch in IMSI and MSISDN; 'drop-vld-gtp-u-spoofed-source-address': Validation Drop: GTP-U IP Address Spoofed; 'drop-vld-gtp-u-count-exceed': Validation Drop: GTP-U Count Exceeded 6 bearers; 'drop-vld-gtp-c-handover-in-progress': Validation Drop: GTP-C Drop Since Handover In Progress; 'drop-flt-message-filtering': Filtering Drop: Message Type Not Permitted on Interface; 'drop-flt-apn-filtering': Filtering Drop: APN IMSI Filtering; 'drop-flt-msisdn-filtering': Filtering Drop: MSISDN Filtering; 'drop-flt-rat-type-filtering': Filtering Drop: RAT Type Filtering; 'drop-flt-gtp-in-gtp': Filtering Drop: GTP in GTP Tunnel Present; 'drop-rl-gtp-v0-c-agg': Rate-limit Drop: Maximum GTPv0-C Message rate; 'drop-rl-gtp-v1-c-agg': Rate-limit Drop: Maximum GTPv1-C Message rate; 'drop-rl-gtp-v2-c-agg': Rate-limit Drop: Maximum GTPv2-C Message rate; 'drop-rl-gtp-v1-c-create-pdp-request': Rate-limit Drop: GTPv1-C Create PDP Request rate; 'drop-rl-gtp-v2-c-create-session-request': Rate-limit Drop: GTPv2-C Create Session Request rate; 'drop-rl-gtp-v1-c-update-pdp-request': Rate-limit Drop: GTPv1-C Update PDP Request rate; 'drop-rl-gtp-v2-c-modify-bearer-request': Rate-limit Drop: GTPv2-C Modify Bearer Request rate; 'drop-rl-gtp-u-tunnel-create': Rate-limit Drop: GTP-U Tunnel Creation rate; 'drop-rl-gtp-u-upstream-byte': Rate-limit Drop: GTP-U Upstream byte rate; 'drop-rl-gtp-u-upstream-packet': Rate-limit Drop: GTP-U Upstream packet rate; 'drop-rl-gtp-u-downstream-byte': Rate-limit Drop: GTP-U Downstream byte rate; 'drop-rl-gtp-u-downstream-packet': Rate-limit Drop: GTP-U Downstream packet rate; 'drop-rl-gtp-u-total-byte': Rate-limit Drop: GTP-U Total byte rate; 'drop-rl-gtp-u-total-packet': Rate-limit Drop: GTP-U Total packet rate; 'drop-rl-gtp-u-max-concurrent-tunnels': Rate-limit Drop: GTP-U Concurrent Tunnels;

Type: string

Supported Values: all, gtp-v0-c-tunnel-created, gtp-v0-c-tunnel-half-open, gtp-v0-c-tunnel-half-closed, gtp-v0-c-tunnel-closed, gtp-v0-c-tunnel-deleted, gtp-v0-c-half-open-tunnel-closed, gtp-v1-c-tunnel-created, gtp-v1-c-tunnel-half-open, gtp-v1-c-tunnel-half-closed, gtp-v1-c-tunnel-closed, gtp-v1-c-tunnel-deleted, gtp-v1-c-half-open-tunnel-closed, gtp-v2-c-tunnel-created, gtp-v2-c-tunnel-half-open, gtp-v2-c-tunnel-half-closed, gtp-v2-c-tunnel-closed, gtp-v2-c-tunnel-deleted, gtp-v2-c-half-open-tunnel-closed, gtp-u-tunnel-created, gtp-u-tunnel-deleted, gtp-v0-c-update-pdp-resp-unsuccess, gtp-v1-c-update-pdp-resp-unsuccess, gtp-v2-c-mod_bearer-resp-unsuccess, gtp-v0-c-create-pdp-resp-unsuccess, gtp-v1-c-create-pdp-resp-unsuccess, gtp-v2-c-create-sess-resp-unsuccess, gtp-v2-c-piggyback-message, gtp-path-management-message, gtp-v0-c-tunnel-deleted-restart, gtp-v1-c-tunnel-deleted-restart, gtp-v2-c-tunnel-deleted-restart, gtp-v0-c-reserved-message-allow, gtp-v1-c-reserved-message-allow, gtp-v2-c-reserved-message-allow, gtp-v2-c-load-contr-info-exceed, gtp-v1-c-

pdu-notification-request-forward, gtp-v1-c-pdu-notification-reject-request-forward, gtp-v0-c-pdu-notification-request-forward, gtp-v0-c-pdu-notification-reject-request-forward, gtp-v0-c-message-skipped-apn-filtering-no-imsi, gtp-v1-c-message-skipped-apn-filtering-no-imsi, gtp-v2-c-message-skipped-apn-filtering-no-imsi, gtp-v0-c-message-skipped-msisdn-filtering-no-imsi, gtp-v1-c-message-skipped-msisdn-filtering-no-imsi, gtp-v2-c-message-skipped-msisdn-filtering-no-imsi, gtp-v0-c-packet-dummy-msisdn, gtp-v1-c-packet-dummy-msisdn, gtp-v2-c-packet-dummy-msisdn, drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected, drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected, drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected, drop-vld-gtp-ie-repeat-count-exceed, drop-vld-reserved-field-set, drop-vld-tunnel-id-flag, drop-vld-invalid-flow-label-v0, drop-vld-invalid-teid, drop-vld-out-of-state, drop-vld-mandatory-information-element, drop-vld-mandatory-ie-in-grouped-ie, drop-vld-out-of-order-ie, drop-vld-out-of-state-ie, drop-vld-reserved-information-element, drop-vld-version-not-supported, drop-vld-message-length, drop-vld-cross-layer-correlation, drop-vld-country-code-mismatch, drop-vld-gtp-u-spoofed-source-address, drop-vld-gtp-bearer-count-exceed, drop-vld-gtp-v2-wrong-lbi-create-bearer-req, drop-vld-gtp-c-handover-in-progress, drop-vld-v0-reserved-message-drop, drop-vld-v1-reserved-message-drop, drop-vld-v2-reserved-message-drop, drop-vld-invalid-pkt-len-piggyback, drop-vld-sanity-failed-piggyback, drop-vld-sequence-num-correlation, drop-vld-gtpv0-seqnum-buffer-full, drop-vld-gtpv1-seqnum-buffer-full, drop-vld-gtpv2-seqnum-buffer-full, drop-vld-gtp-invalid-imsi-len-drop, drop-vld-gtp-invalid-apn-len-drop, drop-vld-protocol-flag-unset, drop-vld-gtpv0-subscriber-attr-miss, drop-vld-gtpv1-subscriber-attr-miss, drop-vld-gtpv2-subscriber-attr-miss, drop-vld-gtp-v0-c-ie-len-exceed-msg-len, drop-vld-gtp-v1-c-ie-len-exceed-msg-len, drop-vld-gtp-v2-c-ie-len-exceed-msg-len, drop-vld-gtp-v0-c-message-length-mismatch, drop-vld-gtp-v1-c-message-length-mismatch, drop-vld-gtp-v2-c-message-length-mismatch, drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn, drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn, drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn

counters2

Description 'drop-flt-message-filtering': Filtering Drop: Message Type Not Permitted on Interface; 'drop-flt-apn-filtering': Filtering Drop: APN IMSI Filtering; 'drop-flt-msisdn-filtering': Filtering Drop: MSISDN Filtering; 'drop-flt-rat-type-filtering': Filtering Drop: RAT Type Filtering; 'drop-flt-gtp-in-gtp': Filtering Drop: GTP in GTP Tunnel Present; 'drop-rl-gtp-v0-c-agg': Rate-limit Drop: Maximum GTPv0-C Message rate; 'drop-rl-gtp-v1-c-agg': Rate-limit Drop: Maximum GTPv1-C Message rate; 'drop-rl-gtp-v2-c-agg': Rate-limit Drop: Maximum GTPv2-C Message rate; 'drop-rl-gtp-v1-c-create-pdp-request': Rate-limit Drop: GTPv1-C Create PDP Request rate; 'drop-rl-gtp-v2-c-create-session-request': Rate-limit Drop: GTPv2-C Create Session Request rate; 'drop-rl-gtp-v1-c-update-pdp-request': Rate-limit Drop: GTPv1-C Update PDP Request rate; 'drop-rl-gtp-v2-c-modify-bearer-request': Rate-limit Drop: GTPv2-C Modify Bearer Request rate; 'drop-rl-gtp-u-tunnel-create': Rate-limit Drop: GTP-U Tunnel Creation rate; 'drop-rl-gtp-u-uplink-byte': Rate-limit Drop: GTP-U Uplink byte rate; 'drop-rl-gtp-u-uplink-packet': Rate-limit Drop: GTP-U Uplink packet rate; 'drop-rl-gtp-u-downlink-byte': Rate-limit Drop: GTP-U Downlink byte rate; 'drop-rl-gtp-u-downlink-packet': Rate-limit Drop: GTP-U Downlink packet rate; 'drop-rl-gtp-u-total-byte': Rate-limit Drop: GTP-U Total byte rate; 'drop-rl-gtp-u-total-packet': Rate-limit Drop: GTP-U Total packet rate; 'drop-rl-gtp-u-max-concurrent-tunnels': Rate-limit Drop: GTP-U Concurrent Tunnels;

Type: string

Supported Values: drop-flt-message-filtering, drop-flt-apn-filtering, drop-flt-msisdn-filtering, drop-flt-rat-type-filtering, drop-flt-gtp-in-gtp, drop-rl-gtp-v0-c-agg, drop-rl-gtp-v1-c-agg, drop-rl-gtp-v2-c-agg, drop-rl-gtp-v1-c-create-pdp-request, drop-rl-gtp-v2-c-create-session-request, drop-rl-gtp-v1-c-update-pdp-request, drop-rl-gtp-v2-c-modify-bearer-request, drop-rl-gtp-u-tunnel-create, drop-rl-gtp-u-uplink-byte, drop-rl-gtp-u-uplink-packet, drop-rl-gtp-u-downlink-byte, drop-rl-gtp-u-downlink-packet, drop-rl-gtp-u-total-byte, drop-rl-gtp-u-total-

packet, drop-rl-gtp-u-max-concurrent-tunnels

stats data

	Counter	Size	Description
	drop-rl-gtp-u-total-byte	8	Rate-limit Drop: GTP-U Total byte rate
	gtp-v2-c-packet-dummy-msisdn	8	GTPv2-C Packet With Dummy MSISDN Forwarded
	gtp-v0-c-reserved-message-allow	8	Permit GTPv0-C Reserved Messages
	gtp-v0-c-pdu-notification-reject-request-forward	8	GTPv0-C PDU Notification Reject Request Forward
	drop-vld-v2-reserved-message-drop	8	Validation Drop: GTPv2-C Reserved Message Drop
	gtp-v0-c-tunnel-closed	8	GTPv0-C Tunnel Marked Deleted
	drop-vld-out-of-state-ie	8	Validation Drop: Unexpected IE Present in Message
	drop-vld-out-of-order-ie	8	Validation Drop: GTPv1-C Message Out of Order IE
	gtp-v2-c-load-contr-info-exceed	8	GTPv2-C Load Control Info IEs in message exceeded 2
	drop-vld-gtp-v2-c-message-length-mismatch	8	GTPv2-C Message Length Mismatch Across Layers
	gtp-v1-c-tunnel-deleted	8	GTPv1-C Tunnel Deleted
	gtp-v2-c-tunnel-closed	8	GTPv2-C Tunnel Marked Deleted
	gtp-v1-c-tunnel-closed	8	GTPv1-C Tunnel Marked Deleted
	drop-rl-gtp-v2-c-create-session-request	8	Rate-limit Drop: GTPv2-C Create Session Request rate

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Table 2.69 – continued from previous page

	Counter	Size	Description
	drop-flt-apn-filtering	8	Filtering Drop: APN IMSI Filtering
	drop-flt-rat-type-filtering	8	Filtering Drop: RAT Type Filtering
	drop-rl-gtp-u-downlink-packet	8	Rate-limit Drop: GTP-U Downlink packet rate
	drop-rl-gtp-u-uplink-packet	8	Rate-limit Drop: GTP-U Uplink packet rate
	gtp-v1-c-create-pdp-resp-unsuccess	8	GTPv1-C Create PDP Context Response Unsuccessful
	drop-vld-reserved-information-element	8	Validation Drop: Reserved IE Field Present
	drop-vld-gtp-u-spoofed-source-address	8	Validation Drop: GTP-U IP Address Spoofed
	gtp-v2-c-tunnel-half-open	8	GTPv2-C Tunnel Create Request
	drop-vld-protocol-flag-unset	8	Validation Drop: Protocol flag in Header Field not Set
	drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected	8	Validation Drop: GTPv2-C Create Session Request with TEID
	gtp-v1-c-tunnel-half-open	8	GTPv1-C Tunnel Create Request
	gtp-v1-c-packet-dummy-msisdn	8	GTPv1-C Packet With Dummy MSISDN Forwarded
	gtp-v1-c-pdu-notification-request-forward	8	GTPv1-C PDU Notification Request Forward

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Table 2.69 – continued from previous page

	Counter	Size	Description
	gtp-v2-c-tunnel-deleted-restart	8	GTPv2-C Tunnel Deleted with Restart/failure
	gtp-v1-c-tunnel-half-closed	8	GTPv1-C Tunnel Delete Request
	drop-vld-mandatory-ie-in-grouped-ie	8	Validation Drop: Mandatory IE in Grouped IE Not Present
	gtp-v0-c-message-skipped-apn-filtering-no-imsi	8	GTPv0-C APN/IMSI Filtering Skipped (No IMSI)
	drop-vld-gtp-v1-c-ie-len-exceed-msg-len	8	GTPv1-C IE Length Exceeds Message Length
	drop-vld-gtpv1-subscriber-attr-miss	8	Validation Drop: GTPV1-c Subscriber Attributes Missing
	gtp-v2-c-tunnel-created	8	GTPv2-C Tunnel Created
	gtp-v0-c-half-open-tunnel-closed	8	GTPv0-C Half open tunnel closed
	drop-vld-gtpv1-seqnum-buffer-full	8	Validation Drop: GTPV1-C conn Sequence number Buffer Full
	drop-vld-gtp-v0-c-ie-len-exceed-msg-len	8	GTPv0-C IE Length Exceeds Message Length
	drop-vld-gtpv0-seqnum-buffer-full	8	Validation Drop: GTPV0-C conn Sequence number Buffer Full
	gtp-v0-c-tunnel-created	8	GTPv0-C Tunnel Created

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Table 2.69 – continued from previous page

	Counter	Size	Description
	drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn	8	Validation Drop: GTPv2-C APN/IMSI Filtering Dropped (No APN)
	drop-vld-invalid-teid	8	Validation Drop: Invalid TEID Value
	drop-rl-gtp-u-tunnel-create	8	Rate-limit Drop: GTP-U Tunnel Creation rate
	drop-vld-country-code-mismatch	8	Validation Drop: Country Code Mismatch in IMSI and MSISDN
	gtp-v2-c-create-sess-resp-unsuccess	8	GTPv2-C Create Session Response Unsuccessful
	drop-flt-message-filtering	8	Filtering Drop: Message Type Not Permitted on Interface
	drop-vld-out-of-state	8	Validation Drop: Out Of State GTP Message
	drop-vld-version-not-supported	8	Validation Drop: Invalid GTP version
	drop-vld-gtp-v2-c-ie-len-exceed-msg-len	8	GTPv2-C IE Length Exceeds Message Length
	drop-vld-sanity-failed-piggyback	8	Validation Drop: piggyback message anomaly failed
	drop-vld-reserved-field-set	8	Validation Drop: Reserved Header Field Set
	drop-rl-gtp-v1-c-agg	8	Rate-limit Drop: Maximum GTPv1-C Message rate
	drop-vld-gtp-v2-wrong-lbi-create-bearer-req	8	Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request
	drop-vld-gtp-invalid-apn-len-drop	8	Validation Drop: GTP-C Invalid APN Length Drop

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Table 2.69 – continued from previous page

	Counter	Size	Description
	gtp-v1-c-message-skipped-msisdn-filtering-no-imsi	8	GTPv1-C MSISDN Filtering Skipped (No MSISDN)
	drop-rl-gtp-v2-c-agg	8	Rate-limit Drop: Maximum GTPv2-C Message rate
	drop-vld-gtp-v0-c-message-length-mismatch	8	GTPv0-C Message Length Mismatch Across Layers
	drop-vld-v1-reserved-message-drop	8	Validation Drop: GTPv1-C Reserved Message Drop
	gtp-v1-c-reserved-message-allow	8	Permit GTPv1-C Reserved Messages
	drop-vld-invalid-pkt-len-piggyback	8	Validation Drop: Piggyback message invalid packet length
	drop-rl-gtp-v1-c-create-pdp-request	8	Rate-limit Drop: GTPv1-C Create PDP Request rate
	gtp-v1-c-pdu-notification-reject-request-forward	8	GTPv1-C PDU Notification Reject Request Forward
	gtp-path-management-message	8	GTP Path Management Messages Received
	drop-vld-gtp-invalid-imsi-len-drop	8	Validation Drop: GTP-C Invalid IMSI Length Drop
	drop-vld-cross-layer-correlation	8	Validation Drop: Cross Layer IP Address Mismatch
	gtp-v2-c-reserved-message-allow	8	Permit GTPv2-C Reserved Messages

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Table 2.69 – continued from previous page

	Counter	Size	Description
	drop-vld-mandatory-information-element	8	Validation Drop: Mandatory IE Not Present
	drop-vld-gtp-v1-c-message-length-mismatch	8	GTPv1-C Message Length Mismatch Across Layers
	drop-vld-gtpv2-subscriber-attr-miss	8	Validation Drop: GTPV2-c Subscriber Attributes Missing
	gtp-v2-c-tunnel-half-closed	8	GTPv2-C Tunnel Delete Request
	drop-rl-gtp-v2-c-modify-bearer-request	8	Rate-limit Drop: GTPv2-C Modify Bearer Request rate
	drop-vld-gtp-bearer-count-exceed	8	Validation Drop: GTP Bearer count exceeded max (11)
	gtp-v0-c-update-pdp-resp-unsuccess	8	GTPv0-C Update PDP Context Response Unsuccessful
	gtp-v0-c-tunnel-half-closed	8	GTPv0-C Tunnel Delete Request
	gtp-v2-c-message-skipped-msisdn-filtering-no-imsi	8	GTPv2-C MSISDN Filtering Skipped (No MSISDN)
	drop-vld-message-length	8	Validation Drop: Message Length Exceeded
	gtp-v1-c-tunnel-deleted-restart	8	GTPv1-C Tunnel Deleted with Restart/failure
	drop-vld-tunnel-id-flag	8	Validation Drop: Tunnel Header Flag Not Set
	gtp-v0-c-tunnel-half-open	8	GTPv0-C Tunnel Create Request

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Table 2.69 – continued from previous page

	Counter	Size	Description
	gtp-u-tunnel-deleted	8	GTP-U Tunnel Deleted
	drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn	8	Validation Drop: GTPv0-C APN/IMSI Filtering Dropped (No APN)
	gtp-v1-c-tunnel-created	8	GTPv1-C Tunnel Created
	drop-vld-gtp-ie-repeat-count-exceed	8	Validation Drop: GTP repeated IE count exceeded
	drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected	8	Validation Drop: GTPv1-C PDU Notification Request with TEID
	drop-rl-gtp-v1-c-update-pdp-request	8	Rate-limit Drop: GTPv1-C Update PDP Request rate
	drop-rl-gtp-u-total-packet	8	Rate-limit Drop: GTP-U Total packet rate
	drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn	8	Validation Drop: GTPv1-C APN/IMSI Filtering Dropped (No APN)
	gtp-v0-c-pdu-notification-request-forward	8	GTPv0-C PDU Notification Request Forward
	gtp-u-tunnel-created	8	GTP-U Tunnel Created
	gtp-v2-c-message-skipped-apn-filtering-no-imsi	8	GTPv2-C APN/IMSI Filtering Skipped (No IMSI)

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Table 2.69 – continued from previous page

	Counter	Size	Description
	gtp-v1-c-message-skipped-apn-filtering-no-imsi	8	GTPv1-C APN/IMSI Filtering Skipped (No IMSI)
	drop-vld-gtp-c-handover-in-progress	8	Validation Drop: GTP-C Drop Since Handover In Progress
	drop-flt-gtp-in-gtp	8	Filtering Drop: GTP in GTP Tunnel Present
	drop-vld-gtpv2-seqnum-buffer-full	8	Validation Drop: GTPV2-C conn Sequence number Buffer Full
	drop-rl-gtp-u-downlink-byte	8	Rate-limit Drop: GTP-U Downlink byte rate
	gtp-v2-c-mod_bearer-resp-unsuccess	8	GTPv2-C Modify Bearer Response Unsuccessful
	drop-rl-gtp-u-uplink-byte	8	Rate-limit Drop: GTP-U Uplink byte rate
	drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected	8	Validation Drop: GTPv0-C PDU Notification Request with TEID
	gtp-v1-c-update-pdp-resp-unsuccess	8	GTPv1-C Update PDP Context Response Unsuccessful
	drop-vld-invalid-flow-label-v0	8	Validation Drop: Invalid Flow Label in GTPv0-C Header
	gtp-v2-c-half-open-tunnel-closed	8	GTPv2-C Half open tunnel closed
	drop-flt-msisdn-filtering	8	Filtering Drop: MSISDN Filtering
	drop-vld-v0-reserved-message-drop	8	Validation Drop: GTPv0-C Reserved Message Drop

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Table 2.69 – continued from previous page

	Counter	Size	Description
	drop-vld-gtpv0-subscriber-attr-miss	8	Validation Drop: GTPV0-c Subscriber Attributes Missing
	gtp-v0-c-tunnel-deleted	8	GTPv0-C Tunnel Deleted
	gtp-v0-c-create-pdp-resp-unsuccess	8	GTPv0-C Create PDP Context Response Unsuccessful
	gtp-v0-c-packet-dummy-msisdn	8	GTPv0-C Packet With Dummy MSISDN Forwarded
	gtp-v1-c-half-open-tunnel-closed	8	GTPv1-C Half open tunnel closed
	gtp-v0-c-tunnel-deleted-restart	8	GTPv0-C Tunnel Deleted with Restart/failure
	drop-rl-gtp-v0-c-agg	8	Rate-limit Drop: Maximum GTPv0-C Message rate
	gtp-v0-c-message-skipped-msisdn-filtering-no-imsi	8	GTPv0-C MSISDN Filtering Skipped (No MSISDN)
	drop-rl-gtp-u-max-concurrent-tunnels	8	Rate-limit Drop: GTP-U Concurrent Tunnels
	gtp-v2-c-piggyback-message	8	GTPv2-C Piggyback Message
	gtp-v2-c-tunnel-deleted	8	GTPv2-C Tunnel Deleted
	drop-vld-sequence-num-correlation	8	Validation Drop: GTP-C Sequence number Mismatch

2.108.15 template gtp rate-limit-policy

Configure GTP Rate Limit policy

rate-limit-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*rate-limit-policy-list*
Collection URI	/axapi/v3/template/gtp/rate-limit-policy
Element Name	rate-limit-policy
Element URI	/axapi/v3/template/gtp/rate-limit-policy/{name}
Element Attributes	rate-limit-policy_attributes
Schema	`rate-limit-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/rate-limit-policy

rate-limit-policy attributes

Create List

POST

/axapi/v3/template/gtp/rate-limit-policy

rate-limit-policy attributes

Get Object

GET

/axapi/v3/template/gtp/rate-limit-policy/{name}

rate-limit-policy attributes

Get List

GET

/axapi/v3/template/gtp/rate-limit-policy

rate-limit-policy-list

Modify Object

POST

/axapi/v3/template/gtp/rate-limit-policy/{name}

rate-limit-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/rate-limit-policy/{name}

rate-limit-policy attributes

Replace List

PUT

/axapi/v3/template/gtp/rate-limit-policy

rate-limit-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/rate-limit-policy/{name}

rate-limit-policy attributes

rate-limit-policy-list

rate-limit-policy-list is **JSON List** of *rate-limit-policy attributes*

```
rate-limit-policy-list : [
        { rate-limit-policy attributes },
        { rate-limit-policy attributes },
        ...
    ]
```

rate-limit-policy attributes

gtp-u-downlink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in downlink direction

Type: number

Range: 1-2147483647

gtp-u-downlink-packet-rate

Description Maximum allowed of rate of GTP-U packets in downlink direction

Type: number

Range: 1-2147483647

gtp-u-max-concurrent-tunnels

Description Maximum allowed GTP-U tunnels per Peer/APN Filter

Type: number

Range: 1-2147483647

gtp-u-total-byte-rate

Description Maximum allowed of rate of GTP-U bytes total in both directions

Type: number

Range: 1-2147483647

gtp-u-total-packet-rate

Description Maximum allowed of rate of GTP-U packets total in both directions

Type: number

Range: 1-2147483647

gtp-u-tunnel-create-rate

Description Maximum allowed of rate of GTP-U tunnels

Type: number

Range: 1-2147483647

gtp-u-uplink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in uplink direction

Type: number

Range: 1-2147483647

gtp-u-uplink-packet-rate

Description Maximum allowed of rate of GTP-U packets in uplink direction

Type: number

Range: 1-2147483647

lockout

Description Lockout traffic from the source for a certain time period after rate exceeded (Lockout duration in minutes)

Type: number

Range: 1-1023

name

Description Specify name of the GTP Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rate-limit-action

Description 'monitor': Forward packet exceeding limit; 'drop': drop packet exceeding limit(default);

Type: string

Supported Values: monitor, drop

Default: drop

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-agg-message-type-rate

Description Maximum allowed GTPv0-C message rate of all types

Type: number

Range: 1-2147483647

v1-agg-message-type-rate

Description Maximum allowed GTPv1-C message rate of all types

Type: number

Range: 1-2147483647

v1-create-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Create PDP Request message type

Type: number

Range: 1-2147483647

v1-update-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Update PDP Request message type

Type: number

Range: 1-2147483647

v2-agg-message-type-rate

Description Maximum allowed GTPv2-C message rate of all types

Type: number

Range: 1-2147483647

v2-create-session-request-rate

Description Maximum allowed rate of GTPv2-C Create Session Request message type

Type: number

Range: 1-2147483647

v2-modify-bearer-request-rate

Description Maximum allowed rate of GTPv2-C Modify Bearer Request message type

Type: number

Range: 1-2147483647

2.108.16 template gtp validation-policy

Configure GTP Validation Policy

validation-policy Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*validation-policy-list*
Collection URI	/axapi/v3/template/gtp/validation-policy
Element Name	validation-policy
Element URI	/axapi/v3/template/gtp/validation-policy/{name}
Element Attributes	validation-policy_attributes
Schema	`validation-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/validation-policy

validation-policy attributes

Create List

POST

/axapi/v3/template/gtp/validation-policy

validation-policy attributes

Get Object

GET

/axapi/v3/template/gtp/validation-policy/{name}

validation-policy attributes

Get List

GET

/axapi/v3/template/gtp/validation-policy

validation-policy-list

Modify Object

POST

/axapi/v3/template/gtp/validation-policy/{name}

validation-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/validation-policy/{name}

validation-policy attributes

Replace List

PUT

/axapi/v3/template/gtp/validation-policy

validation-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/validation-policy/{name}

validation-policy attributes

validation-policy-list

validation-policy-list is **JSON List** of *validation-policy attributes*

validation-policy-list : [

{ *validation-policy attributes* },

{ *validation-policy attributes* },

...

]

validation-policy attributes

anomaly-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anomaly-checks

Description 'enable': Enable Anomaly Checks for GTP Messages; 'disable': Disable Anomaly Checks for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

anti-spoofing-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anti-spoofing-check

Description 'enable': Enable Spoofed IP Address Check for GTP-U Messages; 'disable': Disable Spoofed IP Address Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

crosslayer-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

crosslayer-correlation

Description 'enable': Enable Cross Layer Correlation for GTP Messages; 'disable': Disable Cross Layer Correlation for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

mandatory-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

mandatory-ie-check

Description 'enable': Enable Mandatory IE Check for GTP Messages; 'disable': Disable Mandatory IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

msisdn-imsi-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-imsi-correlation

Description 'enable': Enable Country Code Correlation in MSISDN and IMSI for GTP Messages; 'disable': Disable Country Code Correlation in MSISDN and IMSI for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

name

Description Specify name of the GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

out-of-order-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-order-ie-check

Description 'enable': Enable Out of Order IE Check for GTP Messages; 'disable': Disable Out of Order IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

out-of-state-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-state-ie-check

Description 'enable': Enable Out of State IE Check for GTP Messages; 'disable': Disable Out of State IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

reserved-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

reserved-ie-check

Description 'enable': Enable Reserved IE Check for GTP Messages; 'disable': Disable Reserved IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

sequence-num-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

sequence-num-correlation

Description 'enable': Enable Sequence number correlation between GTP Request and Responses; 'disable': Disable Sequence number correlation between GTP Request and Responses;

Type: string

Supported Values: enable, disable

Default: disable

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.17 template ip-threat-action

Create an IP Threat Action Template

ip-threat-action Specification

Type	*Collection*
Object Key(s)	*template-number*
Collection Name	*ip-threat-action-list*
Collection URI	/axapi/v3/template/ip-threat-action
Element Name	ip-threat-action
Element URI	/axapi/v3/template/ip-threat-action/{template-number}
Element Attributes	ip-threat-action_attributes
Schema	`ip-threat-action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/ip-threat-action

ip-threat-action attributes

Create List

POST

/axapi/v3/template/ip-threat-action

ip-threat-action attributes

Get Object

GET

/axapi/v3/template/ip-threat-action/{template-number}

ip-threat-action attributes

Get List

GET

/axapi/v3/template/ip-threat-action

ip-threat-action-list

Modify Object

POST

/axapi/v3/template/ip-threat-action/{template-number}

ip-threat-action attributes

Replace Object

PUT

/axapi/v3/template/ip-threat-action/{template-number}

ip-threat-action attributes

Replace List

PUT

/axapi/v3/template/ip-threat-action

ip-threat-action-list

Delete Object

DELETE

/axapi/v3/template/ip-threat-action/{template-number}

ip-threat-action attributes

ip-threat-action-list

ip-threat-action-list is **JSON List** of *ip-threat-action attributes*

ip-threat-action-list : [

{ *ip-threat-action attributes* },

{ *ip-threat-action attributes* },

...

]

ip-threat-action attributes

idle-timeout

Description Idle timeout in minutes(default:5)

Type: number

Range: 1-1440

Default: 5

log

Description 'enable': Enable logging; 'disable': Disable logging (Default);

Type: string

Supported Values: enable, disable

Default: disable

template-number

Description Template Number

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.18 template lid

Create an Lid

lid Specification

Type	*Collection*
Object Key(s)	*lid-number*
Collection Name	*lid-list*
Collection URI	/axapi/v3/template/lid
Element Name	lid
Element URI	/axapi/v3/template/lid/{lid-number}
Element Attributes	lid_attributes
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/lid

lid attributes

Create List

POST

/axapi/v3/template/lid

lid attributes

Get Object

GET

/axapi/v3/template/lid/{lid-number}

lid attributes

Get List

GET

/axapi/v3/template/lid

lid-list

Modify Object

POST

/axapi/v3/template/lid/{lid-number}

lid attributes

Replace Object

PUT

/axapi/v3/template/lid/{lid-number}

lid attributes

Replace List

PUT

/axapi/v3/template/lid

lid-list

Delete Object

DELETE

/axapi/v3/template/lid/{lid-number}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

...

]

lid attributes

ddos-protection-factor

Description Enable DDoS Protection (Multiplier of the downlink PPS)

Type: number

Range: 1-50

downlink-pps

Description Downlink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

downlink-throughput

Description Downlink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

lid-number

Description Lid Number

Type: number

Range: 1-1023

limit-cps

Description Enable Connections Per Second Rate Limit (Number of Connections per second)

Type: number

Range: 1-2147483647

limit-rate

Description 'limit-pps': Enable Packets Per Second Rate Limit; 'limit-throughput': Enable Throughput Rate Limit;

Type: string

Supported Values: limit-pps, limit-throughput

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-ip

Description: src-ip is a **JSON Block**. Please see below for *src-ip*

Type: Object

total-pps

Description Total PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

total-throughput

Description Total Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

uplink-pps

Description Uplink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

uplink-throughput

Description Uplink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

src-ip

Specification	
Type	*object*

concurrent-sessions

Description Concurrent Session Limit per Source IP Address (Number of Concurrent Sessions)

Type: number

Range: 1-2147483647

log

Description Log when Session Limit is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description Source prefix length

Type: number

Range: 1-128

2.108.19 template limit-policy

Create a Limit Policy

limit-policy Specification

Type	*Collection*
Object Key(s)	*policy-number*
Collection Name	*limit-policy-list*
Collection URI	/axapi/v3/template/limit-policy
Element Name	limit-policy
Element URI	/axapi/v3/template/limit-policy/{policy-number}
Element Attributes	limit-policy_attributes
Schema	`limit-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/limit-policy

limit-policy attributes

Create List

POST

/axapi/v3/template/limit-policy

limit-policy attributes

Get Object

GET

/axapi/v3/template/limit-policy/{policy-number}

limit-policy attributes

Get List

GET

/axapi/v3/template/limit-policy

limit-policy-list

Modify Object

POST

/axapi/v3/template/limit-policy/{policy-number}

limit-policy attributes

Replace Object

PUT

/axapi/v3/template/limit-policy/{policy-number}

limit-policy attributes

Replace List

PUT

/axapi/v3/template/limit-policy

limit-policy-list

Delete Object

DELETE

/axapi/v3/template/limit-policy/{policy-number}

limit-policy attributes

limit-policy-list

limit-policy-list is **JSON List** of *limit-policy attributes*

limit-policy-list : [

{ *limit-policy attributes* },

{ *limit-policy attributes* },

...

]

limit-policy attributes

ddos-protection-factor

Description Enable DDoS Protection (Multiplier of the downlink PPS)

Type: number

Range: 1-50

downlink-pps

Description Downlink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

downlink-throughput

Description Downlink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

limit-concurrent-sessions

Description Enable Concurrent Session Limit (Number of Concurrent Sessions)

Type: number

Range: 1-2147483647

limit-cps

Description Enable Connections Per Second Rate Limit (Number of Connections per second)

Type: number

Range: 1-2147483647

limit-rate

Description 'limit-pps': Enable Packets Per Second Rate Limit; 'limit-throughput': Enable Throughput Rate Limit;

Type: string

Supported Values: limit-pps, limit-throughput

limit-scope

Description 'aggregate': Rule Level; 'subscriber-ip': Subscriber IP Level; 'subscriber-prefix': Subscriber Prefix Level;

Type: string

Supported Values: aggregate, subscriber-ip, subscriber-prefix

Default: subscriber-ip

log

Description Log when Session Limit is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

policy-number

Description Limit Policy Number

Type: number

Range: 1-1023

prefix-length

Description Prefix length

Type: number

Range: 1-128

total-pps

Description Total PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

total-throughput

Description Total Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

uplink-pps

Description Uplink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

uplink-throughput

Description Uplink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.20 template sctp

Define a SCTP template

sctp Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*sctp-list*
Collection URI	/axapi/v3/template/sctp
Element Name	sctp
Element URI	/axapi/v3/template/sctp/{name}
Element Attributes	sctp_attributes
Schema	`sctp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/sctp

sctp attributes

Create List

POST

/axapi/v3/template/sctp

sctp attributes

Get Object

GET

/axapi/v3/template/sctp/{name}

sctp attributes

Get List

GET

/axapi/v3/template/sctp

sctp-list

Modify Object

POST

/axapi/v3/template/sctp/{name}

sctp attributes

Replace Object

PUT

/axapi/v3/template/sctp/{name}

sctp attributes

Replace List

PUT

/axapi/v3/template/sctp

sctp-list

Delete Object

DELETE

/axapi/v3/template/sctp/{name}

sctp attributes

sctp-list

sctp-list is **JSON List** of *sctp attributes*

sctp-list : [

{ *sctp attributes* },

{ *sctp attributes* },

...

]

sctp attributes

checksum-check

Description 'enable': Enable Checksum check;

Type: string

Supported Values: enable

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

name

Description SCTP Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

permit-payload-protocol

Description: permit-payload-protocol is a **JSON Block**. Please see below for *permit-payload-protocol*

Type: Object

sctp-half-open-idle-timeout

Description Set SCTP half-open timeout (SCTP half-open timeout in seconds (default 4))

Type: number

Range: 2-30

Default: 4

sctp-idle-timeout

Description SCTP idle timeout in minutes (default 5)

Type: number

Range: 1-63

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log

Specification	
Type	*object*

payload-proto-filtering

Description Log Payload Protocol IDs Filtered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

permit-payload-protocol

Specification	
Type	*object*

permit-config-id

Type: List

permit-config-name

Type: List

permit-payload-protocol_permit-config-id

Specification	
Type	*list*
Block object keys	

protocol-id

Description Specify SCTP permitted payload protocol IDs

Type: number

Range: 1-63

permit-payload-protocol_permit-config-name

Specification	
Type	*list*
Block object keys	

protocol-name

Description 'iua': IUA; 'm2ua': M2UA; 'm3ua': M3UA; 'sua': SUA; 'm2pa': M2PA; 'h.323': H.323;

Type: string

Supported Values: iua, m2ua, m3ua, sua, m2pa, h.323

2.108.21 template syslog-over-tls

Define a syslog over TLS template

syslog-over-tls Specification

Type	*Configuration Resource*
Element Name	syslog-over-tls
Element URI	/axapi/v3/template/syslog-over-tls
Element Attributes	syslog-over-tls_attributes
Schema	`syslog-over-tls schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/syslog-over-tls

syslog-over-tls attributes

Get Object

GET

/axapi/v3/template/syslog-over-tls

syslog-over-tls attributes

Modify Object

POST

/axapi/v3/template/syslog-over-tls

syslog-over-tls attributes

Replace Object

PUT

/axapi/v3/template/syslog-over-tls

syslog-over-tls attributes

Delete Object

DELETE

/axapi/v3/template/syslog-over-tls

syslog-over-tls attributes

syslog-over-tls attributes

ca-str

Description CA Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.109 terminal

Objects:

2.109.1 terminal

Set Terminal Startup Parameters

terminal Specification

Type	*Configuration Resource*
Element Name	terminal
Element URI	/axapi/v3/terminal
Element Attributes	terminal_attributes
Schema	`terminal schema`

Operations Allowed:

Create Object

POST

/axapi/v3/terminal

terminal attributes

```
POST /axapi/v3/terminal
Payload:
{
    "terminal": {
        "auto-size": 1
    }
}
```

Get Object

GET

/axapi/v3/terminal

terminal attributes

```
GET /axapi/v3/terminal
Reponse:
{
    "terminal": {
        "auto-size": 0,
        "editing": 1,
        "gslb-cfg": {
            "gslb-prompt": 0
        },
        "history-cfg": {
            "enable": 1,
            "size": 256
        },
        "idle-timeout": 15,
        "prompt-cfg": {
            "prompt": 0
        },
        "uuid": "e2cb7ed0-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/terminal"
    }
}
```

Modify Object

POST

/axapi/v3/terminal

terminal attributes

Replace Object

PUT

/axapi/v3/terminal

terminal attributes

Delete Object

DELETE

/axapi/v3/terminal

terminal attributes

terminal attributes

auto-size

Description Enable terminal length and width automatically (not work if width or length set to 0)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: auto-size length and width are mutually exclusive

editing

Description Enable command line editing

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

gslb-cfg

Description: gslb-cfg is a **JSON Block**. Please see below for *gslb-cfg*

Type: Object

history-cfg

Description: history-cfg is a **JSON Block**. Please see below for *history-cfg*

Type: Object

idle-timeout

Description Set interval for closing connection when there is no input detected (Timeout in minutes, 0 means never timeout, default is 15)

Type: number

Range: 0-60

Default: 15

length

Description Set number of lines on a screen(0 for no pausing) (Number of lines on screen, 0 for no pausing, default is 24)

Type: number

Range: 0-512

Default: 24

Mutual Exclusion: length and auto-size are mutually exclusive

prompt-cfg

Description: prompt-cfg is a **JSON Block**. Please see below for *prompt-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

width

Description Set width of the display terminal (Number of characters on a screen line, 0 means infinite, default is 80)

Type: number

Range: 0-512

Default: 80

Mutual Exclusion: width and auto-size are mutually exclusive

gslb-cfg

Specification	
Type	*object*

disable

Description Group status show disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group-role

Description Show GSLB group role on CLI prompt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-prompt

Description The gslb status prompt function set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

symbol

Description Show "gslb" symbol on CLI prompt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

history-cfg

Specification	
Type	*object*

enable

Description Enable terminal history

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

size

Description Set history buffer size (Size of history buffer, default is 256)

Type: number

Range: 0-1000

Default: 256

prompt-cfg

Specification	
Type	*object*

ha-status

Description Display HA status in prompt, eg. Active, Standby, ForcedStandby

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hostname

Description Display hostname in prompt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prompt

Description Configure the normal prompt format

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vcs-cfg

Description: vcs-cfg is a **JSON Block**. Please see below for *prompt-cfg_vcs-cfg*

Type: Object

prompt-cfg_vcs-cfg

Specification	
Type	*object*

vcs-status

Description Display VCS status in prompt, eg. vMaster, vBlade

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.110 tftp

Objects:

2.110.1 tftp

TFTP client configuration

tftp Specification

Type	*Configuration Resource*
Element Name	tftp
Element URI	/axapi/v3/tftp
Element Attributes	tftp_attributes
Schema	`tftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tftp

tftp attributes

```
POST /axapi/v3/tftp
Payload:
{
    "tftp": {
        "blksize": 512
    }
}
```

Get Object

GET

/axapi/v3/tftp

tftp attributes

```
GET /axapi/v3/tftp
Reponse:
{
    "tftp": {
        "blksize": 512,
        "uuid": "e2cb7f70-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/tftp"
    }
}
```

Modify Object

POST

/axapi/v3/tftp

tftp attributes

Replace Object

PUT

/axapi/v3/tftp

tftp attributes

```
PUT /axapi/v3/tftp
Payload:
{
    "tftp": {
        "blksize": 512
    }
}
```

Delete Object

DELETE

/axapi/v3/tftp

tftp attributes

```
DELETE /axapi/v3/tftp
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

tftp attributes

blksize

Description TFTP client block size value (Block size (Blksize/Max file size. Example: 1K/64M, 8K/512M, 32K/2048M),default is 32768)

Type: number

Range: 512-32768

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111 threat-intel

Objects:

2.111.1 threat-intel

Threat Intelligence module

threat-intel Specification

Type	*Intermediate Resource*
Element Name	threat-intel
Element URI	/axapi/v3/threat-intel
Element Attributes	threat-intel_attributes
Schema	`threat-intel schema`

Operations Allowed:

Get Object

GET

/axapi/v3/threat-intel

threat-intel_attributes

threat-intel attributes

threat-feed-list

Type: List

Refernce Object: */axapi/v3/threat-intel/threat-feed/{type}*

threat-list-list

Type: List

Refernce Object: */axapi/v3/threat-intel/threat-list/{name}*

webroot-database

Description: webroot-database is a **JSON Block**. Please see below for *webroot-database*

Type: Object

Refernce Object: */axapi/v3/threat-intel/webroot-database*

webroot-global

Description: webroot-global is a **JSON Block**. Please see below for *webroot-global*

Type: Object

Refernce Object: */axapi/v3/threat-intel/webroot-global*

webroot-ip-category

Description: webroot-ip-category is a **JSON Block**. Please see below for *webroot-ip-category*

Type: Object

Refernce Object: */axapi/v3/threat-intel/webroot-ip-category*

webroot-log

Description: webroot-log is a **JSON Block**. Please see below for *webroot-log*

Type: Object

Refernce Object: */axapi/v3/threat-intel/webroot-log*

threat-list-list

Specification	
Type	*list*
Block object keys	

all-categories

Description Enable all categories

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all-categoriesspam-sources, windows-exploits, web-attacks, botnets, scanners, dos-attacks, reputation, phishing, proxy, mobile-threats and tor-proxy are mutually exclusive

botnets

Description Botnet C&C channels, and infected zombie machines controlled by Bot master

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: botnets and all-categories are mutually exclusive

dos-attacks

Description IP's participating in DOS, DDOS, anomalous sync flood, and anomalous traffic detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dos-attacks and all-categories are mutually exclusive

mobile-threats

Description IP's associated with mobile threats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: mobile-threats and all-categories are mutually exclusive

name

Description Threat category List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

phishing

Description IP addresses hosting phishing sites, ad click fraud or gaming fraud

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: phishing and all-categories are mutually exclusive

proxy

Description IP addresses providing proxy services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: proxy and all-categories are mutually exclusive

reputation

Description IP addresses currently known to be infected with malware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: reputation and all-categories are mutually exclusive

sampling-enable

Type: List

scanners

Description IP's associated with probes, host scan, domain scan, and password brute force attack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: scanners and all-categories are mutually exclusive

spam-sources

Description IP's tunneling spam messages through a proxy, anomalous SMTP activities, and forum spam activities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: spam-sources and all-categories are mutually exclusive

tor-proxy

Description IP's providing tor proxy services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tor-proxy and all-categories are mutually exclusive

type

Description 'webroot': Configure Webroot threat categories;

Type: string

Supported Values: webroot

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-attacks

Description IP's associated with cross site scripting, iFrame injection, SQL injection, cross domain injection, or domain password brute fo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: web-attacks and all-categories are mutually exclusive

windows-exploits

Description IP's associated with malware, shell code, rootkits, worms or viruses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: windows-exploits and all-categories are mutually exclusive

threat-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spam-sources': Hits for spam sources; 'windows-exploits': Hits for windows exploits; 'web-attacks': Hits for web attacks; 'botnets': Hits for botnets; 'scanners':

Hits for scanners; 'dos-attacks': Hits for dos attacks; 'reputation': Hits for reputation; 'phishing': Hits for phishing; 'proxy': Hits for proxy; 'mobile-threats': Hits for mobile threats; 'tor-proxy': Hits for tor-proxy; 'total-hits': Total hits for threat-list;

Type: string

Supported Values: all, spam-sources, windows-exploits, web-attacks, botnets, scanners, dos-attacks, reputation, phishing, proxy, mobile-threats, tor-proxy, total-hits

webroot-log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

webroot-global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

webroot-global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spam-sources': Hits for spam sources; 'windows-exploits': Hits for windows exploits; 'web-attacks': Hits for web attacks; 'botnets': Hits for botnets; 'scanners':

Hits for scanners; 'dos-attacks': Hits for dos attacks; 'reputation': Hits for reputation; 'phishing': Hits for phishing; 'proxy': Hits for proxy; 'mobile-threats': Hits for mobile threats; 'tor-proxy': Hits for tor-proxy; 'rtu-lookup': Number of lookups in RTU cache; 'database-lookup': Number of lookups in database; 'non-malicious-ips': IP's not found in database or RTU cache;

Type: string

Supported Values: all, spam-sources, windows-exploits, web-attacks, botnets, scanners, dos-attacks, reputation, phishing, proxy, mobile-threats, tor-proxy, rtu-lookup, database-lookup, non-malicious-ips

webroot-database

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

threat-feed-list

Specification	
Type	*list*
Block object keys	

domain

Description Realm for NTLM authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

enable

Description Enable module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

log-level

Description 'disable': Disable all logging; 'error': Log error events; 'warning': Log warning events and above; 'info': Log info events and above; 'debug': Log debug events and above; 'trace': enable all logs;

Type: string

Supported Values: disable, error, warning, info, debug, trace

Default: warning

port

Description Port to query server(default 443)

Type: number

Range: 1-65535

Default: 443

proxy-auth-type

Description 'ntlm': NTLM authentication(default); 'basic': Basic authentication;

Type: string

Supported Values: ntlm, basic

Default: ntlm

proxy-host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

proxy-password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-port

Description Port to connect on proxy server

Type: number

Range: 1-65535

proxy-username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

rtu-update-disable

Description Disables real time updates(default enable)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

server

Description Server IP or Hostname

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

server-timeout

Description Server Timeout in seconds (default: 15s)

Type: number

Range: 1-30

Default: 15

type

Description 'webroot': Configure Webroot module options;

Type: string

Supported Values: webroot

update-interval

Description Interval to check for database or RTU updates(default 120 mins)

Type: number

Range: 10-14400

Default: 120

use-mgmt-port

Description Use management interface for all communication with threat-intel server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

webroot-ip-category

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.2 threat-intel threat-feed

Configure vendor specific module control options

threat-feed Specification

Type	*Collection*
Object Key(s)	*type*
Collection Name	*threat-feed-list*
Collection URI	/axapi/v3/threat-intel/threat-feed
Element Name	threat-feed
Element URI	/axapi/v3/threat-intel/threat-feed/{type}
Element Attributes	threat-feed_attributes
Schema	`threat-feed schema`

Operations Allowed:

Create Object

POST

/axapi/v3/threat-intel/threat-feed

threat-feed attributes

Create List

POST

/axapi/v3/threat-intel/threat-feed

threat-feed attributes

Get Object

GET

/axapi/v3/threat-intel/threat-feed/{type}

threat-feed attributes

Get List

GET

/axapi/v3/threat-intel/threat-feed

threat-feed-list

Modify Object

POST

/axapi/v3/threat-intel/threat-feed/{type}

threat-feed attributes

Replace Object

PUT

/axapi/v3/threat-intel/threat-feed/{type}

threat-feed attributes

Replace List

PUT

/axapi/v3/threat-intel/threat-feed

threat-feed-list

Delete Object

DELETE

/axapi/v3/threat-intel/threat-feed/{type}

threat-feed attributes

threat-feed-list

threat-feed-list is **JSON List** of *threat-feed attributes*

threat-feed-list : [

{ *threat-feed attributes* },

{ *threat-feed attributes* },

...

]

threat-feed attributes

domain

Description Realm for NTLM authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

enable

Description Enable module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

log-level

Description 'disable': Disable all logging; 'error': Log error events; 'warning': Log warning events and above; 'info': Log info events and above; 'debug': Log debug events and above; 'trace': enable all logs;

Type: string

Supported Values: disable, error, warning, info, debug, trace

Default: warning

port

Description Port to query server(default 443)

Type: number

Range: 1-65535

Default: 443

proxy-auth-type

Description 'ntlm': NTLM authentication(default); 'basic': Basic authentication;

Type: string

Supported Values: ntlm, basic

Default: ntlm

proxy-host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

proxy-password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-port

Description Port to connect on proxy server

Type: number

Range: 1-65535

proxy-username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

rtu-update-disable

Description Disables real time updates(default enable)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

server

Description Server IP or Hostname

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

server-timeout

Description Server Timeout in seconds (default: 15s)

Type: number

Range: 1-30

Default: 15

type

Description 'webroot': Configure Webroot module options;

Type: string

Supported Values: webroot

update-interval

Description Interval to check for database or RTU updates(default 120 mins)

Type: number

Range: 10-14400

Default: 120

use-mgmt-port

Description Use management interface for all communication with threat-intel server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.3 threat-intel threat-list

Threat Categories for malicious IPs

threat-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*threat-list-list*
Collection URI	/axapi/v3/threat-intel/threat-list
Element Name	threat-list
Element URI	/axapi/v3/threat-intel/threat-list/{name}
Element Attributes	threat-list_attributes
Statistics Data URI	/axapi/v3/threat-intel/threat-list/{name}/stats
Schema	`threat-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/threat-intel/threat-list

threat-list attributes

Create List

POST

/axapi/v3/threat-intel/threat-list

threat-list attributes

Get Object

GET

/axapi/v3/threat-intel/threat-list/{name}

threat-list attributes

Get List

GET

/axapi/v3/threat-intel/threat-list

threat-list-list

Modify Object

POST

/axapi/v3/threat-intel/threat-list/{name}

threat-list attributes

Replace Object

PUT

/axapi/v3/threat-intel/threat-list/{name}

threat-list attributes

Replace List

PUT

/axapi/v3/threat-intel/threat-list

threat-list-list

Delete Object

DELETE

/axapi/v3/threat-intel/threat-list/{name}

threat-list attributes

threat-list-list

threat-list-list is **JSON List** of *threat-list attributes*

threat-list-list : [

{ *threat-list attributes* },

{ *threat-list attributes* },

...

]

threat-list attributes

all-categories

Description Enable all categories

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all-categoriesspam-sources, windows-exploits, web-attacks, botnets, scanners, dos-attacks, reputation, phishing, proxy, mobile-threats and tor-proxy are mutually exclusive

botnets

Description Botnet C&C channels, and infected zombie machines controlled by Bot master

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: botnets and all-categories are mutually exclusive

dos-attacks

Description IP's participating in DOS, DDOS, anomalous sync flood, and anomalous traffic detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dos-attacks and all-categories are mutually exclusive

mobile-threats

Description IP's associated with mobile threats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: mobile-threats and all-categories are mutually exclusive

name

Description Threat category List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

phishing

Description IP addresses hosting phishing sites, ad click fraud or gaming fraud

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: phishing and all-categories are mutually exclusive

proxy

Description IP addresses providing proxy services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: proxy and all-categories are mutually exclusive

reputation

Description IP addresses currently known to be infected with malware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: reputation and all-categories are mutually exclusive

sampling-enable

Type: List

scanners

Description IP's associated with probes, host scan, domain scan, and password brute force attack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: scanners and all-categories are mutually exclusive

spam-sources

Description IP's tunneling spam messages through a proxy, anomalous SMTP activities, and forum spam activities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: spam-sources and all-categories are mutually exclusive

tor-proxy

Description IP's providing tor proxy services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tor-proxy and all-categories are mutually exclusive

type

Description 'webroot': Configure Webroot threat categories;

Type: string

Supported Values: webroot

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-attacks

Description IP's associated with cross site scripting, iFrame injection, SQL injection, cross domain injection, or domain password brute fo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: web-attacks and all-categories are mutually exclusive

windows-exploits

Description IP's associated with malware, shell code, rootkits, worms or viruses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: windows-exploits and all-categories are mutually exclusive

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spam-sources': Hits for spam sources; 'windows-exploits': Hits for windows exploits; 'web-attacks': Hits for web attacks; 'botnets': Hits for botnets; 'scanners': Hits for scanners; 'dos-attacks': Hits for dos attacks; 'reputation': Hits for reputation; 'phishing': Hits for phishing; 'proxy': Hits for proxy; 'mobile-threats': Hits for mobile threats; 'tor-proxy': Hits for tor-proxy; 'total-hits': Total hits for threat-list;

Type: string

Supported Values: all, spam-sources, windows-exploits, web-attacks, botnets, scanners, dos-attacks, reputation, phishing, proxy, mobile-threats, tor-proxy, total-hits

stats data

	Counter	Size	Description
	web-attacks	8	Hits for web attacks
	total-hits	8	Total hits for threat-list
	botnets	8	Hits for botnets
	spam-sources	8	Hits for spam sources
	phishing	8	Hits for phishing
	dos-attacks	8	Hits for dos attacks
	mobile-threats	8	Hits for mobile threats
	reputation	8	Hits for reputation
	proxy	8	Hits for proxy
	windows-exploits	8	Hits for windows exploits
	scanners	8	Hits for scanners
	tor-proxy	8	Hits for tor-proxy

2.111.4 threat-intel webroot-database

webroot database information

webroot-database Specification

Type	*Configuration Resource*
Element Name	webroot-database
Element URI	/axapi/v3/threat-intel/webroot-database
Element Attributes	webroot-database_attributes
Operational Data URI	/axapi/v3/threat-intel/webroot-database/oper
Schema	`webroot-database schema`

Operations Allowed:

Create Object

POST

/axapi/v3/threat-intel/webroot-database

webroot-database attributes

Get Object

GET

/axapi/v3/threat-intel/webroot-database

webroot-database attributes

Modify Object

POST

/axapi/v3/threat-intel/webroot-database

webroot-database attributes

Replace Object

PUT

/axapi/v3/threat-intel/webroot-database

webroot-database attributes

Delete Object

DELETE

/axapi/v3/threat-intel/webroot-database

webroot-database attributes

webroot-database attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	status	string	status
	web-attacks	number	web-attacks
	total-entries	number	total-entries
	botnets	number	botnets
	name	string	name
	spam-sources	number	spam-sources
	last-update-time	string	last-update-time
	dos-attacks	number	dos-attacks
	next-update-time	string	next-update-time
	last-successful-connection	string	last-successful-connection
	mobile-threats	number	mobile-threats
	phishing	number	phishing
	connection-status	string	connection-status
	version	number	version
	failure-reason	string	failure-reason
	proxy	number	proxy
	reputation	number	reputation
	tor-proxy	number	tor-proxy
	windows-exploits	number	windows-exploits
	scanners	number	scanners
	size	string	size

2.111.5 threat-intel webroot-global

Global counters for webroot module

webroot-global Specification

Type	*Configuration Resource*
Element Name	webroot-global
Element URI	/axapi/v3/threat-intel/webroot-global
Element Attributes	webroot-global_attributes
Statistics Data URI	/axapi/v3/threat-intel/webroot-global/stats
Schema	`webroot-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/threat-intel/webroot-global

webroot-global attributes

Get Object

GET

/axapi/v3/threat-intel/webroot-global

webroot-global attributes

Modify Object

POST

/axapi/v3/threat-intel/webroot-global

webroot-global attributes

Replace Object

PUT

/axapi/v3/threat-intel/webroot-global

webroot-global attributes

Delete Object

DELETE

/axapi/v3/threat-intel/webroot-global

webroot-global attributes

webroot-global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'spam-sources': Hits for spam sources; 'windows-exploits': Hits for windows exploits; 'web-attacks': Hits for web attacks; 'botnets': Hits for botnets; 'scanners': Hits for scanners; 'dos-attacks': Hits for dos attacks; 'reputation': Hits for reputation; 'phishing': Hits for phishing; 'proxy': Hits for proxy; 'mobile-threats': Hits for mobile threats; 'tor-proxy': Hits for tor-proxy; 'rtu-lookup': Number of lookups in RTU cache; 'database-lookup': Number of lookups in database; 'non-malicious-ips': IP's not found in database or RTU cache;

Type: string

Supported Values: all, spam-sources, windows-exploits, web-attacks, botnets, scanners, dos-attacks, reputation, phishing, proxy, mobile-threats, tor-proxy, rtu-lookup, database-lookup, non-malicious-ips

stats data

	Counter	Size	Description
	web-attacks	8	Hits for web attacks
	botnets	8	Hits for botnets
	spam-sources	8	Hits for spam sources
	phishing	8	Hits for phishing
	dos-attacks	8	Hits for dos attacks
	rtu-lookup	8	Number of lookups in RTU cache
	mobile-threats	8	Hits for mobile threats
	non-malicious-ips	8	IP's not found in database or RTU cache
	reputation	8	Hits for reputation
	proxy	8	Hits for proxy
	windows-exploits	8	Hits for windows exploits
	scanners	8	Hits for scanners
	database-lookup	8	Number of lookups in database
	tor-proxy	8	Hits for tor-proxy

2.111.6 threat-intel webroot-ip-category

IP Category from webroot module

webroot-ip-category Specification

Type	*Configuration Resource*
Element Name	webroot-ip-category
Element URI	/axapi/v3/threat-intel/webroot-ip-category
Element Attributes	webroot-ip-category_attributes
Operational Data URI	/axapi/v3/threat-intel/webroot-ip-category/oper
Schema	`webroot-ip-category schema`

Operations Allowed:

Create Object

POST

/axapi/v3/threat-intel/webroot-ip-category

webroot-ip-category attributes

Get Object

GET

/axapi/v3/threat-intel/webroot-ip-category

webroot-ip-category attributes

Modify Object

POST

/axapi/v3/threat-intel/webroot-ip-category

webroot-ip-category attributes

Replace Object

PUT

/axapi/v3/threat-intel/webroot-ip-category

webroot-ip-category attributes

Delete Object

DELETE

/axapi/v3/threat-intel/webroot-ip-category

webroot-ip-category attributes

webroot-ip-category attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	category-list		category-list
	ip	string	ip

2.112 timezone

Objects:

2.112.1 timezone

Configure the Time Zone

timezone Specification

Type	*Configuration Resource*
Element Name	timezone
Element URI	/axapi/v3/timezone
Element Attributes	timezone_attributes
Operational Data URI	/axapi/v3/timezone/oper
Schema	`timezone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/timezone

timezone attributes

```
POST /axapi/v3/timezone
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "timezone": {
        "timezone-index-cfg": {
            "timezone-index": "UTC"
        }
    }
}
```

Get Object

GET

/axapi/v3/timezone

timezone attributes

```
GET /axapi/v3/timezone
Reponse:
{
    "timezone": {
        "timezone-index-cfg": {
            "timezone-index": "UTC",
            "nodst": 0
        },
        "uuid": "a4456f78-7c36-11d9-8ffd-001fa00680a0",
        "a10-url": "/axapi/v3/timezone"
    }
}
```

Modify Object

POST

/axapi/v3/timezone

timezone attributes

Replace Object

PUT

/axapi/v3/timezone

timezone attributes

Delete Object

DELETE

/axapi/v3/timezone

timezone attributes

timezone attributes

timezone-index-cfg

Description: timezone-index-cfg is a **JSON Block**. Please see below for *timezone-index-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

timezone-index-cfg

Specification	
Type	*object*

nodst

Description Disable daylight saving time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timezone-index

Description 'UTC': Coordinated Universal Time (UTC); 'Pacific/Midway': (GMT-11:00)Midway Island, Samoa; 'Pacific/Honolulu': (GMT-10:00)Hawaii; 'America/Anchorage': (GMT-09:00)Alaska; 'America/Tijuana': (GMT-08:00)Pacific Time - Tijuana; 'America/Los_Angeles': (GMT-08:00)Pacific Time(US & Canada); 'America/Vancouver': (GMT-08:00)Pacific Time - west British Columbia; 'America/Phoenix': (GMT-07:00)Arizona; 'America/Shiprock': (GMT-07:00)Mountain Time(US & Canada); 'America/Chicago': (GMT-06:00)Central Time(US & Canada); 'America/Mexico_City': (GMT-06:00)Mexico City; 'America/Regina': (GMT-06:00)Saskatchewan; 'America/Swift_Current': (GMT-06:00)Central America; 'America/Kentucky/Monticello': (GMT-05:00)Eastern Time(US & Canada); 'America/Indiana/Marengo': (GMT-05:00)Indiana(East); 'America/Montreal': (GMT-05:00)Eastern Time - Ontario & Quebec - most locations; 'America/New_York': (GMT-05:00)Eastern Time; 'America/Toronto': (GMT-05:00)Eastern Time - Toronto, Ontario; 'America/Caracas': (GMT-04:00)Caracas, La Paz; 'America/Halifax': (GMT-04:00)Atlantic Time(Canada); 'America/Santiago': (GMT-04:00)Santiago; 'America/St_Johns': (GMT-03:30)Newfoundland; 'America/Buenos_Aires': (GMT-03:00)Buenos Aires, Georgetown; 'America/Godthab': (GMT-03:00)Greenland; 'America/Brasilia': (GMT-03:00)Brasilia; 'Atlantic/South_Georgia': (GMT-02:00)Mid-Atlantic; 'Atlantic/Azores': (GMT-01:00)Azores; 'Atlantic/Cape_Verde': (GMT-01:00)Cape Verde Is.; 'Europe/Dublin': (GMT)Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London; 'Africa/Algiers': (GMT+01:00)West Central Africa; 'Europe/Amsterdam': (GMT+01:00)Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna; 'Europe/Belgrade': (GMT+01:00)Belgrade, Bratislava, Budapest, Ljubljana, Prague; 'Europe/Brussels': (GMT+01:00)Brussels, Copenhagen, Madrid, Paris; 'Europe/Sarajevo':

(GMT+01:00)Sarajevo, Skopje, Sofija, Vilnius, Warsaw, Zagreb; 'Europe/Bucharest': (GMT+02:00)Bucharest; 'Africa/Cairo': (GMT+02:00)Cairo; 'Europe/Athens': (GMT+02:00)Athens, Istanbul, Minsk; 'Africa/Harare': (GMT+02:00)Harare, Pretoria; 'Asia/Jerusalem': (GMT+02:00)Jerusalem; 'Europe/Helsinki': (GMT+02:00)Helsinki, Riga, Tallinn; 'Africa/Nairobi': (GMT+03:00)Nairobi; 'Asia/Baghdad': (GMT+03:00)Baghdad; 'Asia/Kuwait': (GMT+03:00)Kuwait, Riyadh; 'Europe/Moscow': (GMT+03:00)Moscow, St.Petersburg, Volgogard; 'Asia/Tehran': (GMT+03:30)Tehran; 'Asia/Baku': (GMT+04:00)Baku, Tbilisi, Yerevan; 'Asia/Muscat': (GMT+04:00)Abu Dhabi, Muscat; 'Asia/Kabul': (GMT+04:30)Kabul; 'Asia/Karachi': (GMT+05:00)Islamabad, Karachi, Tashkent; 'Asia/Yekaterinburg': (GMT+05:00)Ekaterinburg; 'Asia/Calcutta': (GMT+05:30)Calcutta, Chennai, Mumbai, New Delhi; 'Asia/Katmandu': (GMT+05:45)Kathmandu; 'Asia/Almaty': (GMT+06:00)Almaty, Novosibirsk; 'Asia/Dhaka': (GMT+06:00)Astana, Dhaka; 'Indian/Chagos': (GMT+06:00)Sri Jayawardenepura; 'Asia/Rangoon': (GMT+06:30)Rangoon; 'Asia/Bangkok': (GMT+07:00)Bangkok, Hanoi, Jakarta; 'Asia/Krasnoyarsk': (GMT+07:00)Krasnoyarsk; 'Asia/Irkutsk': (GMT+08:00)Irkutsk, Ulaan Bataar; 'Asia/Kuala_Lumpur': (GMT+08:00)Kuala Lumpur, Singapore; 'Asia/Shanghai': (GMT+08:00)Beijing, Chongqing, Hong Kong, Urumqi; 'Asia/Taipei': (GMT+08:00)Taipei; 'Australia/Perth': (GMT+08:00)Perth; 'Asia/Seoul': (GMT+09:00)Seoul; 'Asia/Tokyo': (GMT+09:00)Osaka, Sapporo, Tokyo; 'Asia/Yakutsk': (GMT+09:00)Yakutsk; 'Australia/Adelaide': (GMT+09:30)Adelaide; 'Australia/Darwin': (GMT+09:30)Darwin; 'Australia/Hobart': (GMT+10:00)Hobart; 'Australia/Brisbane': (GMT+10:00)Brisbane; 'Asia/Vladivostok': (GMT+10:00)Vladivostok; 'Australia/Sydney': (GMT+10:00)Canberra, Melbourne, Sydney; 'Pacific/Guam': (GMT+10:00)Guam, Port Moresby; 'Asia/Magadan': (GMT+11:00)Magadan, Solomon., New Caledonia; 'Pacific/Auckland': (GMT+12:00)Auckland, Wellington; 'Pacific/Fiji': (GMT+12:00)Fiji, Kamchatka, Marshall Is.; 'Pacific/Kwajalein': (GMT+12:00)Eniwetok, Kwajalein; 'Pacific/Enderbury': (GMT+13:00)Nuku'alofa;

Type: string

Supported Values: UTC, Pacific/Midway, Pacific/Honolulu, America/Anchorage, America/Tijuana, America/Los_Angeles, America/Vancouver, America/Phoenix, America/Shiprock, America/Chicago, America/Mexico_City, America/Regina, America/Swift_Current, America/Kentucky/Monticello, America/Indiana/Marengo, America/Montreal, America/New_York, America/Toronto, America/Caracas, America/Halifax, America/Santiago, America/St_Johns, America/Buenos_Aires, America/Godthab, America/Brasilia, Atlantic/South_Georgia, Atlantic/Azores, Atlantic/Cape_Verde, Europe/Dublin, Africa/Algiers, Europe/Amsterdam, Europe/Belgrade, Europe/Brussels, Europe/Sarajevo, Europe/Bucharest, Africa/Cairo, Europe/Athens, Africa/Harare, Asia/Jerusalem, Europe/Helsinki, Africa/Nairobi, Asia/Baghdad, Asia/Kuwait, Europe/Moscow, Asia/Tehran, Asia/Baku, Asia/Muscat, Asia/Kabul, Asia/Karachi, Asia/Yekaterinburg, Asia/Calcutta, Asia/Katmandu, Asia/Almaty, Asia/Dhaka, Indian/Chagos, Asia/Rangoon, Asia/Bangkok, Asia/Krasnoyarsk, Asia/Irkutsk, Asia/Kuala_Lumpur, Asia/Shanghai, Asia/Taipei, Australia/Perth, Asia/Seoul, Asia/Tokyo, Asia/Yakutsk, Australia/Adelaide, Australia/Darwin, Australia/Hobart, Australia/Brisbane, Asia/Vladivostok, Australia/Sydney, Pacific/Guam, Asia/Magadan, Pacific/Auckland, Pacific/Fiji, Pacific/Kwajalein, Pacific/Enderbury

operational data

	Counter	Size	Description
	dst-name	string	dst-name
	deny-dst	string	deny-dst
	std-name	string	std-name
	location	string	location

2.113 vcs

Objects:

2.113.1 vcs

Virtual Chassis System

vcs Specification

Type	*Intermediate Resource*
Element Name	vcs
Element URI	/axapi/v3/vcs
Element Attributes	vcs_attributes
Schema	`vcs schema`

Operations Allowed:

Get Object

GET

/axapi/v3/vcs

vcs_attributes

vcs attributes

action

Description: action is a **JSON Block**. Please see below for *action*

Type: Object

Refernce Object: */axapi/v3/vcs/action*

debug

Description: debug is a **JSON Block**. Please see below for *debug*

Type: Object

Refernce Object: */axapi/v3/vcs/debug*

device-list

Type: List

Refernce Object: */axapi/v3/vcs/device/{device}*

discovery-mode

Description: discovery-mode is a **JSON Block**. Please see below for *discovery-mode*

Type: Object

Refernce Object: */axapi/v3/vcs/discovery-mode*

images

Description: images is a **JSON Block**. Please see below for *images*

Type: Object

Refernce Object: */axapi/v3/vcs/images*

reload

Description: reload is a **JSON Block**. Please see below for *reload*

Type: Object

Refernce Object: */axapi/v3/vcs/reload*

showdebug

Description: showdebug is a **JSON Block**. Please see below for *showdebug*

Type: Object

Refernce Object: */axapi/v3/vcs/showdebug*

stat

Description: stat is a **JSON Block**. Please see below for *stat*

Type: Object

Refernce Object: */axapi/v3/vcs/stat*

unicast-election

Description: unicast-election is a **JSON Block**. Please see below for *unicast-election*

Type: Object

Refernce Object: */axapi/v3/vcs/unicast-election*

vMaster-maintenance

Description: vMaster-maintenance is a **JSON Block**. Please see below for *vMaster-maintenance*

Type: Object

Refernce Object: */axapi/v3/vcs/vMaster-maintenance*

vcs-para

Description: vcs-para is a **JSON Block**. Please see below for *vcs-para*

Type: Object

Refernce Object: */axapi/v3/vcs/vcs-para*

vcs-summary

Description: vcs-summary is a **JSON Block**. Please see below for *vcs-summary*

Type: Object

Refernce Object: */axapi/v3/vcs/vcs-summary*

vmaster-take-over

Description: vmaster-take-over is a **JSON Block**. Please see below for *vmaster-take-over*

Type: Object

Refernce Object: */axapi/v3/vcs/vmaster-take-over*

vcs-summary

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

discovery-mode

Specification	
Type	*object*

action

Description 'Unicast': enable VCS Unicast election; 'Mcast': enable VCS Multicast election; 'Mixed': enable VCS Multicast/Unicastelection;

Type: string

Supported Values: Unicast, Mcast, Mixed

Default: Mcast

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vmaster-take-over

Specification	
Type	*object*

vmaster-take-over

Description vMaster take over priority

Type: number

Range: 1-255

vcs-para

Specification	
Type	*object*

chassis-id

Description Chassis ID

Type: number

Range: 1-8

config-info

Description Configuration information (Configuration tag)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

config-seq

Description Configuration sequence number

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

dead-interval

Description The node will be considered dead as lack of hearbeats after this time (in unit of second, 10 by default)

Type: number

Range: 5-240

Default: 10

failure-retry-count-value

Description 0-255, default is 2

Type: number

Range: 0-255

Default: 2

Mutual Exclusion: failure-retry-count-value and forever are mutually exclusive

floating-ip-cfg

Type: List

floating-ipv6-cfg

Type: List

force-wait-interval

Description The node will wait the specified time interval before it start aVCS (in unit of second (default is 5))

Type: number

Range: 5-240

Default: 5

forever

Description VCS retry forever if fails to join the chassis

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forever and failure-retry-count-value are mutually exclusive

multicast-ip

Description Multicast (group) IP address (Multicast IP address)

Type: string

Format: ipv4-address

Default: 224.0.0.210

Mutual Exclusion: multicast-ip and multicast-ipv6 are mutually exclusive

multicast-ipv6

Description Multicast (group) IPv6 address (Multicast IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: multicast-ipv6 and multicast-ip are mutually exclusive

multicast-port

Description Port used in multicast communication (Port number)

Type: number

Range: 1-65535

Default: 41217

size

Description file size (MBytes) to transmit to monitor the TCP channel

Type: number

Range: 10-2000

speed_limit

Description speed (KByte/s) limitation for the transmit monitor

Type: number

Range: 5-1000

ssl-enable

Description Enable SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-channel-monitor

Description Enable vBlade TCP channel monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

time-interval

Description how long between heartbeats (in unit of second, default is 3)

Type: number

Range: 1-60

Default: 3

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs-para_floating-ipv6-cfg

Specification	
Type	*list*
Block object keys	

floating-ipv6

Description Floating IPv6 address

Type: string

Format: ipv6-address-plen

vcs-para_floating-ip-cfg

Specification	
Type	*list*
Block object keys	

floating-ip

Description Floating IP address (IPv4 address)

Type: string

Format: ipv4-address

floating-ip-mask

Description Netmask

Type: string

Format: ipv4-netmask

showdebug

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reload

Specification	
Type	*object*

disable-merge

Description don't merge this vBlade's configuration to aVCS chassis

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

debug

Specification	
Type	*object*

daemon

Description Daemon component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

daemon_msg

Description Daemon message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

election

Description Election component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

election_pdu

Description Election pdu component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encoder

Description Encoder component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handler

Description Handler component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

info

Description Information component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lib

Description Lib component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

net

Description Net component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl

Description SSL component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

util

Description Utility component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vblade

Description vBlade component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vblade_msg

Description vBlade Message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vmaster

Description vMaster component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vmaster_msg

Description vMaster Message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stat

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stat_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'elect_recv_err': Receive error counter of aVCS election; 'elect_send_err': Send error counter of aVCS election; 'elect_recv_byte': Receive bytes counter of aVCS election; 'elect_send_byte': Send bytes counter of aVCS election; 'elect_pdu_master_recv': Received vMaster-PDU counter of aVCS election; 'elect_pdu_master_cand_recv': Received MC-PDU counter of aVCS election; 'elect_pdu_slave_recv': Received vBlade-PDU counter of aVCS election; 'elect_pdu_master_take_over_recv': Received MTO-PDU counter of aVCS election; 'elect_pdu_unknown_recv': Received Unknown-PDU counter of aVCS election; 'elect_pdu_master_sent': Sent vMaster-PDU counter of aVCS election; 'elect_pdu_master_cand_sent': Sent MC-PDU counter of aVCS election; 'elect_pdu_slave_sent': Sent vBlade-PDU counter of aVCS election; 'elect_pdu_master_take_over_sent': Sent MTO-PDU counter of aVCS election; 'elect_pdu_unknown_sent': Sent Unknown-PDU counter of aVCS election; 'elect_pdu_inval': Invalid PDU counter of aVCS election; 'elect_pdu_hw_mismatch': PDU HW mismatch counter of aVCS election; 'elect_pdu_cluster_mismatch': PDU Chassis-ID mismatch counter of aVCS election; 'elect_pdu_dev_id_collision': PDU Device-ID collision counter of aVCS election; 'elect_mc_discard_master': MC discarded vMaster-PDU counter of aVCS election; 'elect_mc_replace_master': MC replaced vMaster-PDU counter of aVCS election; 'elect_mc_dup_masterr': MC duplicate vMaster-PDU counter of aVCS election; 'elect_mc_reset_timer_by_mc': MC timers reset by MC-PDU counter of aVCS election; 'elect_mc_reset_timer_by_mto': MC timers reset by MTO-PDU counter of aVCS election; 'elect_slave_dup_master': vBlade duplicate vMaster-PDU counter of aVCS election; 'elect_slave_discard_challenger': vBlade discard challenger counter of aVCS election; 'elect_slave_replace_challenger': vBlade replace challenger counter of aVCS election; 'elect_slave_dup_challenger': vBlade duplicate challenger counter of aVCS election; 'elect_slave_discard_neighbour': vBlade discard neighbour counter of aVCS election; 'elect_slave_too_many_neighbour': vBlade too many neighbours counter of aVCS election; 'elect_slave_dup_neighbour': send vBlade duplicate neighbours of aVCS election; 'elect_master_discard_challenger': vMaster discard challenger counter of aVCS election; 'elect_master_new_challenger': vMaster new challenger counter of aVCS election; 'elect_master_replace_challenger': vMaster replace challenger counter of aVCS election; 'elect_master_dup_challenger': vMaster duplicate challenger counter of aVCS election; 'elect_master_discard_neighbour': vMaster discard neighbour counter of aVCS election; 'elect_master_too_many_neighbour': vMaster too many neighbours counter of aVCS election; 'elect_master_dup_neighbour': vMaster duplicate neighbours counter of aVCS election; 'elect_enter_master_cand_stat': Enter MC counter of aVCS election; 'elect_enter_slave': Enter vBlade counter of aVCS election; 'elect_enter_master': Enter vMaster counter of aVCS election; 'elect_enter_master_take_over': Enter MTO counter of aVCS election; 'elect_leave_master_cand': Leave MC counter of aVCS election; 'elect_leave_slave': Leave vBlade counter of aVCS election; 'elect_leave_master': Leave vMaster counter of aVCS election; 'elect_leave_master_take_over': Leave MTO counter of aVCS election; 'master_slave_start_err': vMaster Start vBlade Errors counter of aVCS election; 'master_slave_start': vMaster vBlades Started counter of aVCS election; 'master_slave_stop': vMaster vBlades stopped counter of aVCS election; 'master_cfg_upd': Received vMaster Configuration Updates counter of aVCS election; 'mas-

ter_cfg_upd_l_fail': vMaster Local Configuration Update Errors counter of aVCS election; 'master_cfg_upd_r_fail': vMaster Remote Configuration Update Errors counter of aVCS election; 'master_cfg_upd_notif_err': vMaster Configuration Update Notif Errors counter of aVCS election; 'master_cfg_upd_result_err': vMaster Configuration Update Result Errors counter of aVCS election; 'slave_recv_err': vBlade Receive Errors counter of aVCS election; 'slave_send_err': vBlade Send Errors counter of aVCS election; 'slave_recv_bytes': vBlade Received Bytes counter of aVCS election; 'slave_sent_bytes': vBlade Sent Bytes counter of aVCS election; 'slave_n_recv': vBlade Received Messages counter of aVCS election; 'slave_n_sent': vBlade Sent Messages counter of aVCS election; 'slave_msg_inval': vBlade Invalid Messages counter of aVCS election; 'slave_keepalive': vBlade Received Keepalives counter of aVCS election; 'slave_cfg_upd': vBlade Received Configuration Updates counter of aVCS election; 'slave_cfg_upd_fail': vBlade Configuration Update Failures counter of aVCS election; 'daemon_n_elec_start': times of aVCS election start; 'daemon_n_elec_stop': times of aVCS election stop; 'daemon_recv_err': counter of aVCS daemon receive error; 'daemon_send_err': counter of aVCS daemon sent error; 'daemon_recv_bytes': bytes of aVCS daemon receive; 'daemon_sent_bytes': bytes of aVCS daemon sent; 'daemon_n_recv': counter of aVCS daemon receive; 'daemon_n_sent': counter of aVCS daemon sent; 'daemon_msg_inval': counter of aVCS daemon invalid message; 'daemon_msg_handle_failure': counter of aVCS daemon message handle failure;

Type: string

Supported Values: all, elect_recv_err, elect_send_err, elect_recv_byte, elect_send_byte, elect_pdu_master_recv, elect_pdu_master_cand_recv, elect_pdu_slave_recv, elect_pdu_master_take_over_recv, elect_pdu_unknown_recv, elect_pdu_master_sent, elect_pdu_master_cand_sent, elect_pdu_slave_sent, elect_pdu_master_take_over_sent, elect_pdu_unknown_sent, elect_pdu_inval, elect_pdu_hw_mismatch, elect_pdu_cluster_mismatch, elect_pdu_dev_id_collision, elect_mc_discard_master, elect_mc_replace_master, elect_mc_dup_masterr, elect_mc_reset_timer_by_mc, elect_mc_reset_timer_by_mto, elect_slave_dup_master, elect_slave_discard_challenger, elect_slave_replace_challenger, elect_slave_dup_challenger, elect_slave_discard_neighbour, elect_slave_too_many_neighbour, elect_slave_dup_neighbour, elect_master_discard_challenger, elect_master_new_challenger, elect_master_replace_challenger, elect_master_dup_challenger, elect_master_discard_neighbour, elect_master_too_many_neighbour, elect_master_dup_neighbour, elect_enter_master_cand_stat, elect_enter_slave, elect_enter_master, elect_enter_master_take_over, elect_leave_master_cand, elect_leave_slave, elect_leave_master, elect_leave_master_take_over, master_slave_start_err, master_slave_start, master_slave_stop, master_cfg_upd, master_cfg_upd_l_fail, master_cfg_upd_r_fail, master_cfg_upd_notif_err, master_cfg_upd_result_err, slave_recv_err, slave_send_err, slave_recv_bytes, slave_sent_bytes, slave_n_recv, slave_n_sent, slave_msg_inval, slave_keepalive, slave_cfg_upd, slave_cfg_upd_fail, daemon_n_elec_start, daemon_n_elec_stop, daemon_recv_err, daemon_send_err, daemon_recv_bytes, daemon_sent_bytes, daemon_n_recv, daemon_n_sent, daemon_msg_inval, daemon_msg_handle_failure

device-list

Specification	
Type	*list*
Block object keys	

affinity-vrrp-a-vrid

Description vrid-group

Type: number

Range: 0-31

device

Description Device ID

Type: number

enable

Description Enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-cfg

Type: List

management

Description Management interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Device priority

Type: number

Range: 1-255

trunk-cfg

Type: List

unicast-port

Description Port used in unicast communication (Port number)

Type: number

Range: 1024-65535

Default: 41216

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

device-list_ethernet-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet (Ethernet interface number)

Type: number

Format: interface

device-list_ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description VE interface (VE interface number)

Type: number

Range: 2-4094

device-list_trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Range: 1-4096

images

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unicast-election

Specification	
Type	*object*

members

Description: members is a **JSON Block**. Please see below for *unicast-election_members*

Type: Object

Refernce Object: */axapi/v3/vcs/unicast-election/members*

port

Description Destination port for unicast election packet (Destination port for unicast election packet (default 41217))

Type: number

Range: 1024-65000

Default: 41217

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unicast-election_members

Specification	
Type	*object*

ip-address-cfg

Type: List

ipv6-address-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unicast-election_members_ip-address-cfg

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address of the member

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-address are mutually exclusive

use-mgmt-port

Description Use management port for connections in different subnet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unicast-election_members_ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address of the member

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address and ip-address are mutually exclusive

use-mgmt-port

Description Use management port for connections in different subnet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Specification	
Type	*object*

action

Description 'enable': enable VCS; 'disable': disable VCS;

Type: string

Supported Values: disable, enable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vMaster-maintenance

Specification	
Type	*object*

vMaster-maintenance

Description the seconds vMaster will be maintained, 60 by default

Type: number

Range: 0-3600

Default: 60

2.113.2 vcs action

action for aVCS

action Specification

Type	*Configuration Resource*
Element Name	action
Element URI	/axapi/v3/vcs/action
Element Attributes	action_attributes
Schema	`action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vcs/action

action attributes

```
POST /axapi/v3/vcs/action
Payload:
{
    "action": {
        "action": "enable"
    }
}
```

Get Object

GET

/axapi/v3/vcs/action

action attributes

```
GET /axapi/v3/vcs/action
Reponse:
{
    "action": {
        "action": "enable",
        "uuid": "e2cadffc-6c5f-11e9-b8b7-dbe69c1e923a",
        "a10-url": "/axapi/v3/vcs/action"
    }
}
```

Modify Object

POST

/axapi/v3/vcs/action

action attributes

Replace Object

PUT

/axapi/v3/vcs/action

action attributes

action attributes

action

Description 'enable': enable VCS; 'disable': disable VCS;

Type: string

Supported Values: disable, enable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.113.3 vcs device

VCS Device

device Specification

Type	*Collection*
Object Key(s)	*device*
Collection Name	*device-list*
Collection URI	/axapi/v3/vcs/device
Element Name	device
Element URI	/axapi/v3/vcs/device/{device}
Element Attributes	device_attributes
Schema	`device schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vcs/device

device attributes

```
POST /axapi/v3/vcs/device/
Payload:
{
    "device": {
        "device": 2,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/vcs/device

device attributes

Get Object

GET

/axapi/v3/vcs/device/{device}

device attributes

```
GET /axapi/v3/vcs/device/2
Reponse:
{
    "device": {
        "device": 2,
        "unicast-port": 41216,
        "management": 0,
        "enable": 0,
        "uuid": "784d24ba-5c10-11d9-b620-001fa00680a0",
        "user-tag": "a",
```

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```
        "a10-url": "/axapi/v3/vcs/device/2"
    }
}
```

Get List

GET

/axapi/v3/vcs/device

device-list

Modify Object

POST

/axapi/v3/vcs/device/{device}

device attributes

Replace Object

PUT

/axapi/v3/vcs/device/{device}

device attributes

```
PUT /axapi/v3/vcs/device/2
Payload:
{
    "device": {
        "device": 2,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/vcs/device

device-list

Delete Object

DELETE

/axapi/v3/vcs/device/{device}

device attributes

```
DELETE /axapi/v3/vcs/device/2
Reponse:
{
    "response": {
        "status": "OK",
        "msg": "The changed configuration of aVCS will take effect only after 'vcs␣
↪reload'\n"
```

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```
    }
}
```

device-list

device-list is **JSON List** of *device attributes*

device-list : [

{ *device attributes* },

{ *device attributes* },

...

]

device attributes

affinity-vrrp-a-vrid

Description vrid-group

Type: number

Range: 0-31

device

Description Device ID

Type: number

enable

Description Enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-cfg

Type: List

management

Description Management interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Device priority

Type: number

Range: 1-255

trunk-cfg

Type: List

unicast-port

Description Port used in unicast communication (Port number)

Type: number

Range: 1024-65535

Default: 41216

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ethernet-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet (Ethernet interface number)

Type: number

Format: interface

ve-cfg

Specification	
Type	*list*
Block object keys	

ve

Description VE interface (VE interface number)

Type: number

Range: 2-4094

trunk-cfg

Specification	
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Range: 1-4096

2.113.4 vcs discovery-mode

vcs election discovery mode

discovery-mode Specification

Type	*Configuration Resource*
Element Name	discovery-mode
Element URI	/axapi/v3/vcs/discovery-mode
Element Attributes	discovery-mode_attributes
Schema	`discovery-mode schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vcs/discovery-mode

discovery-mode attributes

Get Object

GET

/axapi/v3/vcs/discovery-mode

discovery-mode attributes

Modify Object

POST

/axapi/v3/vcs/discovery-mode

discovery-mode attributes

Replace Object

PUT

/axapi/v3/vcs/discovery-mode

discovery-mode attributes

discovery-mode attributes

action

Description 'Unicast': enable VCS Unicast election; 'Mcast': enable VCS Multicast election; 'Mixed': enable VCS Multicast/Unicastelection;

Type: string

Supported Values: Unicast, Mcast, Mixed

Default: Mcast

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.113.5 vcs stat

Show aVCS statistics information

stat Specification

Type	*Configuration Resource*
Element Name	stat
Element URI	/axapi/v3/vcs/stat
Element Attributes	stat_attributes
Statistics Data URI	/axapi/v3/vcs/stat/stats
Schema	`stat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vcs/stat

stat attributes

```
POST /axapi/v3/vcs/stat
Payload:
{
    "stat": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/vcs/stat

stat attributes

```
GET /axapi/v3/vcs/stat
Reponse:
{
    "stat": {
        "uuid": "e2cae3c6-6c5f-11e9-b8b7-dbe69c1e923a",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/vcs/stat"
    }
}
```

Modify Object

POST

/axapi/v3/vcs/stat

stat attributes

Replace Object

PUT

/axapi/v3/vcs/stat

stat attributes

```
PUT /axapi/v3/vcs/stat
Payload:
```

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```
{
    "stat": {
        "sampling-enable": [
            {
                "counters1": "elect_recv_err"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/vcs/stat

stat attributes

```
DELETE /axapi/v3/vcs/stat
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

stat attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'elect_recv_err': Receive error counter of aVCS election; 'elect_send_err': Send error counter of aVCS election; 'elect_recv_byte': Receive bytes counter of aVCS election; 'elect_send_byte': Send bytes counter of aVCS election; 'elect_pdu_master_recv': Received vMaster-PDU counter of aVCS election; 'elect_pdu_master_cand_recv': Received MC-PDU counter of

aVCS election; 'elect_pdu_slave_recv': Received vBlade-PDU counter of aVCS election; 'elect_pdu_master_take_over_recv': Received MTO-PDU counter of aVCS election; 'elect_pdu_unknown_recv': Received Unknown-PDU counter of aVCS election; 'elect_pdu_master_sent': Sent vMaster-PDU counter of aVCS election; 'elect_pdu_master_cand_sent': Sent MC-PDU counter of aVCS election; 'elect_pdu_slave_sent': Sent vBlade-PDU counter of aVCS election; 'elect_pdu_master_take_over_sent': Sent MTO-PDU counter of aVCS election; 'elect_pdu_unknown_sent': Sent Unknown-PDU counter of aVCS election; 'elect_pdu_inval': Invalid PDU counter of aVCS election; 'elect_pdu_hw_mismatch': PDU HW mismatch counter of aVCS election; 'elect_pdu_cluster_mismatch': PDU Chassis-ID mismatch counter of aVCS election; 'elect_pdu_dev_id_collision': PDU Device-ID collision counter of aVCS election; 'elect_mc_discard_master': MC discarded vMaster-PDU counter of aVCS election; 'elect_mc_replace_master': MC replaced vMaster-PDU counter of aVCS election; 'elect_mc_dup_masterr': MC duplicate vMaster-PDU counter of aVCS election; 'elect_mc_reset_timer_by_mc': MC timers reset by MC-PDU counter of aVCS election; 'elect_mc_reset_timer_by_mto': MC timers reset by MTO-PDU counter of aVCS election; 'elect_slave_dup_master': vBlade duplicate vMaster-PDU counter of aVCS election; 'elect_slave_discard_challenger': vBlade discard challenger counter of aVCS election; 'elect_slave_replace_challenger': vBlade replace challenger counter of aVCS election; 'elect_slave_dup_challenger': vBlade duplicate challenger counter of aVCS election; 'elect_slave_discard_neighbour': vBlade discard neighbour counter of aVCS election; 'elect_slave_too_many_neighbour': vBlade too many neighbours counter of aVCS election; 'elect_slave_dup_neighbour': send vBlade duplicate neighbours of aVCS election; 'elect_master_discard_challenger': vMaster discard challenger counter of aVCS election; 'elect_master_new_challenger': vMaster new challenger counter of aVCS election; 'elect_master_replace_challenger': vMaster replace challenger counter of aVCS election; 'elect_master_dup_challenger': vMaster duplicate challenger counter of aVCS election; 'elect_master_discard_neighbour': vMaster discard neighbour counter of aVCS election; 'elect_master_too_many_neighbour': vMaster too many neighbours counter of aVCS election; 'elect_master_dup_neighbour': vMaster duplicate neighbours counter of aVCS election; 'elect_enter_master_cand_stat': Enter MC counter of aVCS election; 'elect_enter_slave': Enter vBlade counter of aVCS election; 'elect_enter_master': Enter vMaster counter of aVCS election; 'elect_enter_master_take_over': Enter MTO counter of aVCS election; 'elect_leave_master_cand': Leave MC counter of aVCS election; 'elect_leave_slave': Leave vBlade counter of aVCS election; 'elect_leave_master': Leave vMaster counter of aVCS election; 'elect_leave_master_take_over': Leave MTO counter of aVCS election; 'master_slave_start_err': vMaster Start vBlade Errors counter of aVCS election; 'master_slave_start': vMaster vBlades Started counter of aVCS election; 'master_slave_stop': vMaster vBlades stopped counter of aVCS election; 'master_cfg_upd': Received vMaster Configuration Updates counter of aVCS election; 'master_cfg_upd_l_fail': vMaster Local Configuration Update Errors counter of aVCS election; 'master_cfg_upd_r_fail': vMaster Remote Configuration Update Errors counter of aVCS election; 'master_cfg_upd_notif_err': vMaster Configuration Update Notif Errors counter of aVCS election; 'master_cfg_upd_result_err': vMaster Configuration Update Result Errors counter of aVCS election; 'slave_recv_err': vBlade Receive Errors counter of aVCS election; 'slave_send_err': vBlade Send Errors counter of aVCS election; 'slave_recv_bytes': vBlade Received Bytes counter of aVCS election; 'slave_sent_bytes': vBlade Sent Bytes counter of aVCS election; 'slave_n_recv': vBlade Received Messages counter of aVCS election; 'slave_n_sent': vBlade Sent Messages counter of aVCS election; 'slave_msg_inval': vBlade Invalid Messages counter of aVCS election; 'slave_keepalive': vBlade Received Keepalives counter of aVCS election; 'slave_cfg_upd': vBlade Received Configuration Updates counter of aVCS election; 'slave_cfg_upd_fail': vBlade Configuration Update Failures counter of aVCS election; 'daemon_n_elec_start': times of aVCS election start; 'daemon_n_elec_stop': times of aVCS election stop; 'daemon_recv_err': counter of aVCS daemon receive error;

'daemon_send_err': counter of aVCS daemon sent error; 'daemon_recv_bytes': bytes of aVCS daemon receive; 'daemon_sent_bytes': bytes of aVCS daemon sent; 'daemon_n_recv': counter of aVCS daemon receive; 'daemon_n_sent': counter of aVCS daemon sent; 'daemon_msg_inval': counter of aVCS daemon invalid message; 'daemon_msg_handle_failure': counter of aVCS daemon message handle failure;

Type: string

Supported Values: all, elect_recv_err, elect_send_err, elect_recv_byte, elect_send_byte, elect_pdu_master_recv, elect_pdu_master_cand_recv, elect_pdu_slave_recv, elect_pdu_master_take_over_recv, elect_pdu_unknown_recv, elect_pdu_master_sent, elect_pdu_master_cand_sent, elect_pdu_slave_sent, elect_pdu_master_take_over_sent, elect_pdu_unknown_sent, elect_pdu_inval, elect_pdu_hw_mismatch, elect_pdu_cluster_mismatch, elect_pdu_dev_id_collision, elect_mc_discard_master, elect_mc_replace_master, elect_mc_dup_masterr, elect_mc_reset_timer_by_mc, elect_mc_reset_timer_by_mto, elect_slave_dup_master, elect_slave_discard_challenger, elect_slave_replace_challenger, elect_slave_dup_challenger, elect_slave_discard_neighbour, elect_slave_too_many_neighbour, elect_slave_dup_neighbour, elect_master_discard_challenger, elect_master_new_challenger, elect_master_replace_challenger, elect_master_dup_challenger, elect_master_discard_neighbour, elect_master_too_many_neighbour, elect_master_dup_neighbour, elect_enter_master_cand_stat, elect_enter_slave, elect_enter_master, elect_enter_master_take_over, elect_leave_master_cand, elect_leave_slave, elect_leave_master, elect_leave_master_take_over, master_slave_start_err, master_slave_start, master_slave_stop, master_cfg_upd, master_cfg_upd_l_fail, master_cfg_upd_r_fail, master_cfg_upd_notif_err, master_cfg_upd_result_err, slave_recv_err, slave_send_err, slave_recv_bytes, slave_sent_bytes, slave_n_recv, slave_n_sent, slave_msg_inval, slave_keepalive, slave_cfg_upd, slave_cfg_upd_fail, daemon_n_elec_start, daemon_n_elec_stop, daemon_recv_err, daemon_send_err, daemon_recv_bytes, daemon_sent_bytes, daemon_n_recv, daemon_n_sent, daemon_msg_inval, daemon_msg_handle_failure

stats data

	Counter	Size	Description
	elect_master_discard_challenger	8	vMaster discard challenger counter of aVCS election
	elect_pdu_master_sent	8	Sent vMaster-PDU counter of aVCS election
	elect_pdu_cluster_mismatch	8	PDU Chassis-ID mismatch counter of aVCS election
	daemon_sent_bytes	8	bytes of aVCS daemon sent
	daemon_send_err	8	counter of aVCS daemon sent error
	elect_pdu_slave_recv	8	Received vBlade-PDU counter of aVCS election
	master_slave_start	8	vMaster vBlades Started counter of aVCS election
	elect_enter_master_cand_stat	8	Enter MC counter of aVCS election
	daemon_n_elec_start	8	times of aVCS election start
	elect_pdu_unknown_sent	8	Sent Unknown-PDU counter of aVCS election
	elect_recv_byte	8	Receive bytes counter of aVCS election
	elect_mc_dup_masterr	8	MC duplicate vMaster-PDU counter of aVCS election

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Table 2.70 – continued from previous page

	Counter	Size	Description
	mas-ter_slave_start_err	8	vMaster Start vBlade Errors counter of aVCS election
	elect_pdu_slave_sent	8	Sent vBlade-PDU counter of aVCS election
	mas-ter_cfg_upd	8	Received vMaster Configuration Updates counter of aVCS elec-tion
	elect_leave_master_take_over	8	Leave MTO counter of aVCS election
	mas-ter_slave_stop	8	vMaster vBlades stopped counter of aVCS election
	dae-mon_n_recv	8	counter of aVCS daemon receive
	elect_mc_discard_master	8	MC discarded vMaster-PDU counter of aVCS election
	dae-mon_recv_err	8	counter of aVCS daemon receive error
	elect_leave_master_cand	8	Leave MC counter of aVCS election
	slave_cfg_upd	8	vBlade Received Configuration Updates counter of aVCS elec-tion
	mas-ter_cfg_upd_r_fail	8	vMaster Remote Configuration Update Errors counter of aVCS election
	slave_msg_inval	8	vBlade Invalid Messages counter of aVCS election
	elect_pdu_dev_id_collision	8	PDU Device-ID collision counter of aVCS election
	slave_send_err	8	vBlade Send Errors counter of aVCS election
	elect_mc_reset_timer_by_mto	8	MC timers reset by MTO-PDU counter of aVCS election
	elect_pdu_master_take_over_sent	8	Sent MTO-PDU counter of aVCS election
	elect_master_discard_neighbour	8	vMaster discard neighbour counter of aVCS election
	elect_slave_dup_master	8	vBlade duplicate vMaster-PDU counter of aVCS election
	slave_keepalive	8	vBlade Received Keepalives counter of aVCS election
	elect_send_err	8	Send error counter of aVCS election
	elect_pdu_master_cand_sent	8	Sent MC-PDU counter of aVCS election
	elect_slave_dup_challenger	8	vBlade duplicate challenger counter of aVCS election
	dae-mon_n_elec_stop	8	times of aVCS election stop
	slave_sent_bytes	8	vBlade Sent Bytes counter of aVCS election
	slave_recv_bytes	8	vBlade Received Bytes counter of aVCS election
	dae-mon_msg_inval	8	counter of aVCS daemon invalid message
	elect_pdu_hw_mismatch	8	PDU HW mismatch counter of aVCS election
	elect_slave_discard_challenger	8	vBlade discard challenger counter of aVCS election
	elect_master_replace_challenger	8	vMaster replace challenger counter of aVCS election
	elect_master_too_many_neighbour	8	vMaster too many neighbours counter of aVCS election
	elect_pdu_master_cand_recv	8	Received MC-PDU counter of aVCS election
	elect_leave_master	8	Leave vMaster counter of aVCS election
	slave_recv_err	8	vBlade Receive Errors counter of aVCS election
	elect_enter_master	8	Enter vMaster counter of aVCS election
	elect_mc_replace_master	8	MC replaced vMaster-PDU counter of aVCS election
	elect_master_dup_challenger	8	vMaster duplicate challenger counter of aVCS election
	elect_recv_err	8	Receive error counter of aVCS election
	elect_slave_too_many_neighbour	8	vBlade too many neighbours counter of aVCS election
	elect_enter_slave	8	Enter vBlade counter of aVCS election

continues on next page

Table 2.70 – continued from previous page

	Counter	Size	Description
	dae-mon_n_sent	8	counter of aVCS daemon sent
	mas-ter_cfg_upd_l_fail	8	vMaster Local Configuration Update Errors counter of aVCS election
	slave_n_sent	8	vBlade Sent Messages counter of aVCS election
	elect_slave_replace_challenger	8	vBlade replace challenger counter of aVCS election
	elect_master_dup_neighbour	8	vMaster duplicate neighbours counter of aVCS election
	elect_mc_reset_timer_by_mc	8	MC timers reset by MC-PDU counter of aVCS election
	elect_send_byte	8	Send bytes counter of aVCS election
	slave_cfg_upd_fail	8	vBlade Configuration Update Failures counter of aVCS election
	dae-mon_msg_handle_failure	8	counter of aVCS daemon message handle failure
	elect_slave_dup_neighbour	8	send vBlade duplicate neighbours of aVCS election
	elect_pdu_unknown_recv	8	Received Unknown-PDU counter of aVCS election
	elect_slave_discard_neighbour	8	vBlade discard neighbour counter of aVCS election
	mas-ter_cfg_upd_notif_err	8	vMaster Configuration Update Notif Errors counter of aVCS election
	elect_pdu_master_recv	8	Received vMaster-PDU counter of aVCS election
	elect_master_new_challenger	8	vMaster new challenger counter of aVCS election
	dae-mon_recv_bytes	8	bytes of aVCS daemon receive
	mas-ter_cfg_upd_result_err	8	vMaster Configuration Update Result Errors counter of aVCS election
	elect_leave_slave	8	Leave vBlade counter of aVCS election
	slave_n_recv	8	vBlade Received Messages counter of aVCS election
	elect_enter_master_take_over	8	Enter MTO counter of aVCS election
	elect_pdu_master_take_over_recv	8	Received MTO-PDU counter of aVCS election
	elect_pdu_inval	8	Invalid PDU counter of aVCS election

2.113.6 vcs unicast-election

VCS Device

unicast-election Specification

Type	*Configuration Resource*
Element Name	unicast-election
Element URI	/axapi/v3/vcs/unicast-election
Element Attributes	unicast-election_attributes
Schema	`unicast-election schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vcs/unicast-election

unicast-election attributes

Get Object

GET

/axapi/v3/vcs/unicast-election

unicast-election attributes

Modify Object

POST

/axapi/v3/vcs/unicast-election

unicast-election attributes

Replace Object

PUT

/axapi/v3/vcs/unicast-election

unicast-election attributes

unicast-election attributes

members

Description: members is a **JSON Block**. Please see below for *members*

Type: Object

Refernce Object: */axapi/v3/vcs/unicast-election/members*

port

Description Destination port for unicast election packet (Destination port for unicast election packet (default 41217))

Type: number

Range: 1024-65000

Default: 41217

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

members

Specification	
Type	*object*

ip-address-cfg

Type: List

ipv6-address-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

members_ip-address-cfg

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address of the member

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-address are mutually exclusive

use-mgmt-port

Description Use management port for connections in different subnet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

members_ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address of the member

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address and ip-address are mutually exclusive

use-mgmt-port

Description Use management port for connections in different subnet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.113.7 vcs unicast-election members

members for vcs unicast election

members Specification

Type	*Configuration Resource*
Element Name	members
Element URI	/axapi/v3/vcs/unicast-election/members
Element Attributes	members_attributes
Schema	`members schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vcs/unicast-election/members

members attributes

Get Object

GET

/axapi/v3/vcs/unicast-election/members

members attributes

Modify Object

POST

/axapi/v3/vcs/unicast-election/members

members attributes

Replace Object

PUT

/axapi/v3/vcs/unicast-election/members

members attributes

members attributes

ip-address-cfg

Type: List

ipv6-address-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-address-cfg

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address of the member

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-address are mutually exclusive

use-mgmt-port

Description Use management port for connections in different subnet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address of the member

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address and ip-address are mutually exclusive

use-mgmt-port

Description Use management port for connections in different subnet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.113.8 vcs vcs-para

Virtual Chassis System Paramter

vcs-para Specification

Type	*Configuration Resource*
Element Name	vcs-para
Element URI	/axapi/v3/vcs/vcs-para
Element Attributes	vcs-para_attributes
Schema	`vcs-para schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vcs/vcs-para

vcs-para attributes

```
POST /axapi/v3/vcs/vcs-para
Payload:
{
    "vcs-para": {
        "floating-ip-cfg": [
            {
```

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```
                "floating-ip-mask": "255.255.0.0",
                "floating-ip": "3.3.3.3"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/vcs/vcs-para

vcs-para attributes

```
GET /axapi/v3/vcs/vcs-para
Reponse:
{
    "vcs-para": {
        "floating-ip-cfg": [
            {
                "floating-ip": "3.3.3.3",
                "floating-ip-mask": "255.255.0.0"
            }
        ],
        "ssl-enable": 0,
        "multicast-ip": "224.0.0.210",
        "multicast-port": 41217,
        "failure-retry-count-value": 2,
        "dead-interval": 10,
        "time-interval": 3,
        "force-wait-interval": 5,
        "uuid": "ab0acc6e-5c0f-11d9-85d2-001fa00680a0",
        "a10-url": "/axapi/v3/vcs/vcs-para"
    }
}
```

Modify Object

POST

/axapi/v3/vcs/vcs-para

vcs-para attributes

Replace Object

PUT

/axapi/v3/vcs/vcs-para

vcs-para attributes

```
PUT /axapi/v3/vcs/vcs-para
Payload:
{
    "vcs-para": {
        "floating-ip-cfg": [
```

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```
            {
                "floating-ip-mask": "255.255.255.0",
                "floating-ip": "3.3.3.4"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/vcs/vcs-para

vcs-para attributes

```
DELETE /axapi/v3/vcs/vcs-para
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vcs-para attributes

chassis-id

Description Chassis ID

Type: number

Range: 1-8

config-info

Description Configuration information (Configuration tag)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

config-seq

Description Configuration sequence number

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

dead-interval

Description The node will be considered dead as lack of hearbeats after this time (in unit of second, 10 by default)

Type: number

Range: 5-240

Default: 10

failure-retry-count-value

Description 0-255, default is 2

Type: number

Range: 0-255

Default: 2

Mutual Exclusion: failure-retry-count-value and forever are mutually exclusive

floating-ip-cfg

Type: List

floating-ipv6-cfg

Type: List

force-wait-interval

Description The node will wait the specified time interval before it start aVCS (in unit of second (default is 5))

Type: number

Range: 5-240

Default: 5

forever

Description VCS retry forever if fails to join the chassis

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forever and failure-retry-count-value are mutually exclusive

multicast-ip

Description Multicast (group) IP address (Multicast IP address)

Type: string

Format: ipv4-address

Default: 224.0.0.210

Mutual Exclusion: multicast-ip and multicast-ipv6 are mutually exclusive

multicast-ipv6

Description Multicast (group) IPv6 address (Multicast IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: multicast-ipv6 and multicast-ip are mutually exclusive

multicast-port

Description Port used in multicast communication (Port number)

Type: number

Range: 1-65535

Default: 41217

size

Description file size (MBytes) to transmit to monitor the TCP channel

Type: number

Range: 10-2000

speed_limit

Description speed (KByte/s) limitation for the transmit monitor

Type: number

Range: 5-1000

ssl-enable

Description Enable SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-channel-monitor

Description Enable vBlade TCP channel monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

time-interval

Description how long between heartbeats (in unit of second, default is 3)

Type: number

Range: 1-60

Default: 3

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

floating-ipv6-cfg

Specification	
Type	*list*
Block object keys	

floating-ipv6

Description Floating IPv6 address

Type: string

Format: ipv6-address-plen

floating-ip-cfg

Specification	
Type	*list*
Block object keys	

floating-ip

Description Floating IP address (IPv4 address)

Type: string

Format: ipv4-address

floating-ip-mask

Description Netmask

Type: string

Format: ipv4-netmask

2.114 vcs-vblades

Objects:

2.114.1 vcs-vblades

vcs vblades counters

vcs-vblades Specification

Type	*Intermediate Resource*
Element Name	vcs-vblades
Element URI	/axapi/v3/vcs-vblades
Element Attributes	vcs-vblades_attributes
Schema	`vcs-vblades schema`

Operations Allowed:

Get Object

GET

/axapi/v3/vcs-vblades

vcs-vblades_attributes

vcs-vblades attributes

stat-list

Type: List

Refernce Object: */axapi/v3/vcs-vblades/stat/{vblade-id}*

stat-list

Specification	
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vblade-id

Description vBlade-id

Type: number

Range: 1-8

stat-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slave_recv_err': vBlade Receive Errors counter of aVCS election; 'slave_send_err': vBlade Send Errors counter of aVCS election; 'slave_recv_bytes': vBlade Received Bytes counter of aVCS election; 'slave_sent_bytes': vBlade Sent Bytes counter of aVCS election; 'slave_n_recv': vBlade Received Messages counter of aVCS election; 'slave_n_sent': vBlade Sent Messages counter of aVCS election; 'slave_msg_inval': vBlade Invalid Messages counter of aVCS election; 'slave_keepalive': vBlade Received Keepalives counter of aVCS election; 'slave_cfg_upd': vBlade Received Configuration Updates counter of aVCS election; 'slave_cfg_upd_fail': vBlade Local Configuration Update Errors (1) counter of aVCS election; 'slave_cfg_upd_fail': vBlade Remote Configuration Update Errors counter of aVCS election; 'slave_cfg_upd_fail': vBlade Local Configuration Update Errors (2) counter of aVCS election; 'slave_cfg_upd_fail': vBlade Configuration Update Notif Errors counter of aVCS election; 'slave_cfg_upd_fail': vBlade Configuration Update Result Errors counter of aVCS election;

Type: string

Supported Values: all, slave_recv_err, slave_send_err, slave_recv_bytes, slave_sent_bytes, slave_n_recv, slave_n_sent, slave_msg_inval, slave_keepalive, slave_cfg_upd, slave_cfg_upd_l1_fail, slave_cfg_upd_r_fail, slave_cfg_upd_l2_fail, slave_cfg_upd_notif_err, slave_cfg_upd_result_err

2.114.2 vcs-vblades stat

Show aVCS vBlade box statistics information

stat Specification

Type	*Collection*
Object Key(s)	*vblade-id*
Collection Name	*stat-list*
Collection URI	/axapi/v3/vcs-vblades/stat
Element Name	stat
Element URI	/axapi/v3/vcs-vblades/stat/{vblade-id}
Element Attributes	stat_attributes
Statistics Data URI	/axapi/v3/vcs-vblades/stat/{vblade-id}/stats
Schema	`stat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vcs-vblades/stat

stat attributes

```
POST /axapi/v3/vcs-vblades/stat/1
Payload:
{
    "stat": {
        "vblade-id": 1,
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/vcs-vblades/stat

stat attributes

Get Object

GET

/axapi/v3/vcs-vblades/stat/{vblade-id}

stat attributes

```
GET /axapi/v3/vcs-vblades/stat/1
Reponse:
{
    "stat": {
        "vblade-id": 1,
        "uuid": "e2ceb410-6c5f-11e9-b8b7-dbe69c1e923a",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/vcs-vblades/stat/1"
    }
}
```

Get List

GET

/axapi/v3/vcs-vblades/stat

stat-list

Modify Object

POST

/axapi/v3/vcs-vblades/stat/{vblade-id}

stat attributes

Replace Object

PUT

/axapi/v3/vcs-vblades/stat/{vblade-id}

stat attributes

```
PUT /axapi/v3/vcs-vblades/stat/1
Payload:
{
    "stat": {
        "vblade-id": 1,
        "sampling-enable": [
            {
                "counters1": "slave_recv_err"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/vcs-vblades/stat

stat-list

stat-list

stat-list is **JSON List** of *stat attributes*

stat-list : [

{ *stat attributes* },

{ *stat attributes* },

...

]

stat attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vblade-id

Description vBlade-id

Type: number

Range: 1-8

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slave_recv_err': vBlade Receive Errors counter of aVCS election; 'slave_send_err': vBlade Send Errors counter of aVCS election; 'slave_recv_bytes': vBlade Received Bytes counter of aVCS election; 'slave_sent_bytes': vBlade Sent Bytes counter of aVCS election; 'slave_n_recv': vBlade Received Messages counter of aVCS election; 'slave_n_sent': vBlade Sent Messages counter of aVCS election; 'slave_msg_inval': vBlade Invalid Messages counter of aVCS election; 'slave_keepalive': vBlade Received Keepalives counter of aVCS election; 'slave_cfg_upd': vBlade Received Configuration Updates counter of aVCS election; 'slave_cfg_upd_fail': vBlade Local Configuration Update Errors (1) counter of aVCS election; 'slave_cfg_upd_fail': vBlade Remote Configuration Update Errors counter of aVCS election; 'slave_cfg_upd_fail': vBlade Local Configuration Update Errors (2) counter of aVCS election; 'slave_cfg_upd_fail': vBlade Configuration Update Notif Errors counter of aVCS election; 'slave_cfg_upd_fail': vBlade Configuration Update Result Errors counter of aVCS election;

Type: string

Supported Values: all, slave_recv_err, slave_send_err, slave_recv_bytes, slave_sent_bytes, slave_n_recv, slave_n_sent, slave_msg_inval, slave_keepalive, slave_cfg_upd, slave_cfg_upd_l1_fail, slave_cfg_upd_r_fail, slave_cfg_upd_l2_fail, slave_cfg_upd_notif_err, slave_cfg_upd_result_err

stats data

	Counter	Size	Description
	slave_recv_bytes	8	vBlade Received Bytes counter of aVCS election
	slave_cfg_upd_rfail	8	vBlade Remote Configuration Update Errors counter of aVCS election
	slave_cfg_upd_result_err	8	vBlade Configuration Update Result Errors counter of aVCS election
	slave_cfg_upd	8	vBlade Received Configuration Updates counter of aVCS election
	slave_msg_inval	8	vBlade Invalid Messages counter of aVCS election
	slave_n_recv	8	vBlade Received Messages counter of aVCS election
	slave_cfg_upd_notif_err	8	vBlade Configuration Update Notif Errors counter of aVCS election
	slave_keepalive	8	vBlade Received Keepalives counter of aVCS election
	slave_recv_err	8	vBlade Receive Errors counter of aVCS election
	slave_cfg_upd_l2_fail	8	vBlade Local Configuration Update Errors (2) counter of aVCS election
	slave_send_err	8	vBlade Send Errors counter of aVCS election
	slave_cfg_upd_l1_fail	8	vBlade Local Configuration Update Errors (1) counter of aVCS election
	slave_n_sent	8	vBlade Sent Messages counter of aVCS election
	slave_sent_bytes	8	vBlade Sent Bytes counter of aVCS election

2.115 visibility

Objects:

2.115.1 visibility

Display Network statistics

visibility Specification

Type	*Configuration Resource*
Element Name	visibility
Element URI	/axapi/v3/visibility
Element Attributes	visibility_attributes
Statistics Data URI	/axapi/v3/visibility/stats
Schema	`visibility schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility

visibility attributes

Get Object

GET

/axapi/v3/visibility

visibility attributes

Modify Object

POST

/axapi/v3/visibility

visibility attributes

Replace Object

PUT

/axapi/v3/visibility

visibility attributes

Delete Object

DELETE

/axapi/v3/visibility

visibility attributes

visibility attributes

anomaly-detection

Description: anomaly-detection is a **JSON Block**. Please see below for *anomaly-detection*

Type: Object

Refernce Object: */axapi/v3/visibility/anomaly-detection*

debug-files

Description: debug-files is a **JSON Block**. Please see below for *debug-files*

Type: Object

Refernce Object: */axapi/v3/visibility/debug-files*

file

Description: file is a **JSON Block**. Please see below for *file*

Type: Object

Refernce Object: */axapi/v3/visibility/file*

flow-collector

Description: flow-collector is a **JSON Block**. Please see below for *flow-collector*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector*

granularity

Description Granularity for rate based calculations in seconds (default 5)

Type: number

Range: 1-300

Default: 5

initial-learning-interval

Description Initial learning interval (in hours) before processing

Type: number

Range: 1-168

mon-entity-telemetry-data

Description: mon-entity-telemetry-data is a **JSON Block**. Please see below for *mon-entity-telemetry-data*

Type: Object

Refernce Object: */axapi/v3/visibility/mon-entity-telemetry-data*

mon-topk

Description: mon-topk is a **JSON Block**. Please see below for *mon-topk*

Type: Object

Refernce Object: */axapi/v3/visibility/mon-topk*

monitor

Description: monitor is a **JSON Block**. Please see below for *monitor*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor*

monitored-entity

Description: monitored-entity is a **JSON Block**. Please see below for *monitored-entity*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity*

packet-capture

Description: packet-capture is a **JSON Block**. Please see below for *packet-capture*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture*

ping-sweep-detection

Description: ping-sweep-detection is a **JSON Block**. Please see below for *ping-sweep-detection*

Type: Object

Refernce Object: */axapi/v3/visibility/ping-sweep-detection*

port-scan-detection

Description: port-scan-detection is a **JSON Block**. Please see below for *port-scan-detection*

Type: Object

Refernce Object: */axapi/v3/visibility/port-scan-detection*

reporting

Description: reporting is a **JSON Block**. Please see below for *reporting*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting*

resource-usage

Description: resource-usage is a **JSON Block**. Please see below for *resource-usage*

Type: Object

Refernce Object: */axapi/v3/visibility/resource-usage*

sampling-enable

Type: List

source-entity-topk

Description Enable topk for sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

topn

Description: topn is a **JSON Block**. Please see below for *topn*

Type: Object

Refernce Object: */axapi/v3/visibility/topn*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zbar

Description: zbar is a **JSON Block**. Please see below for *zbar*

Type: Object

Refernce Object: */axapi/v3/visibility/zbar*

flow-collector

Specification	
Type	*object*

netflow

Description: netflow is a **JSON Block**. Please see below for *flow-collector_netflow*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow*

sflow

Description: sflow is a **JSON Block**. Please see below for *flow-collector_sflow*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/sflow*

flow-collector_netflow

Specification	
Type	*object*

sampling-enable

Type: List

template

Description: template is a **JSON Block**. Please see below for *flow-collector_netflow_template*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

flow-collector_netflow_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkts-rcvd': Total nflow packets received; 'v9-templates-created': Total v9 templates created; 'v9-templates-deleted': Total v9 templates deleted; 'v10-templates-created': Total v10(IPFIX) templates created; 'v10-templates-deleted': Total v10(IPFIX) templates deleted; 'template-drop-exceeded': Total templates dropped because of maximum limit; 'template-drop-out-of-memory': Total templates dropped becuase of out of memory; 'frag-dropped': Total nflow fragment packets droppped; 'agent-not-found': nflow pkts from not configured agents; 'version-not-supported': nflow version not supported; 'unknown-dir': nflow sample direction is unknown;

Type: string

Supported Values: all, pkts-rcvd, v9-templates-created, v9-templates-deleted, v10-templates-created, v10-templates-deleted, template-drop-exceeded, template-drop-out-of-memory, frag-dropped, agent-not-found, version-not-supported, unknown-dir

flow-collector_netflow_template

Specification	
Type	*object*

detail

Description: detail is a **JSON Block**. Please see below for *flow-collector_netflow_template_detail*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow/template/detail*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

flow-collector_netflow_template_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'templates-added-to-delq': Netflow templates added to the delete queue; 'templates-removed-from-delq': Netflow templates removed from the delete queue;

Type: string

Supported Values: all, templates-added-to-delq, templates-removed-from-delq

flow-collector_netflow_template_detail

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

flow-collector_sflow

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

flow-collector_sflow_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkts-received': Total sflow pkts received; 'frag-dropped': Total sflow fragment packets droppped; 'agent-not-found': sflow pkts from not configured agents; 'version-not-supported': sflow version not supported; 'unknown-dir': sflow sample direction is unknown;

Type: string

Supported Values: all, pkts-received, frag-dropped, agent-not-found, version-not-supported, unknown-dir

resource-usage

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reporting

Specification	
Type	*object*

sampling-enable

Type: List

session-logging

Description 'enable': Enable session logging; 'disable': Disable session logging(default);

Type: string

Supported Values: enable, disable

Default: disable

telemetry-export-interval

Description: telemetry-export-interval is a **JSON Block**. Please see below for *reporting_telemetry-export-interval*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/telemetry-export-interval*

template

Description: template is a **JSON Block**. Please see below for *reporting_template*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reporting_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log-transmit-failure': Total log transmit failures; 'buffer-alloc-failure': Total reporting buffer allocation failures; 'notif-jobs-in-queue': Total notification jobs in queue; 'enqueue-fail': Total enqueue jobs failed;

Type: string

Supported Values: all, log-transmit-failure, buffer-alloc-failure, notif-jobs-in-queue, enqueue-fail, enqueue-pass, dequeued

reporting_template

Specification	
Type	*object*

notification

Description: notification is a **JSON Block**. Please see below for *reporting_template_notification*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification*

reporting_template_notification

Specification	
Type	*object*

debug

Description: debug is a **JSON Block**. Please see below for *reporting_template_notification_debug*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/debug*

template-name-list

Type: List

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}*

reporting_template_notification_debug

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reporting_template_notification_template-name-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

authentication

Description: authentication is a **JSON Block**. Please see below for *reporting_template_notification_template-name-list_authentication*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication*

debug-mode

Description Enable debug mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host-name

Description Configure the host name(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

http-port

Description Configure the http port to use(default 80) (http port(default 80))

Type: number

Range: 1-65535

Default: 80

https-port

Description Configure the https port to use(default 443) (http port(default 443))

Type: number

Range: 1-65535

Default: 443

ipv4-address

Description Configure the host IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the host IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

name

Description Notification template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol

Description 'http': Use http protocol; 'https': Use https protocol(default); (http protocol)

Type: string

Supported Values: http, https

Default: https

relative-uri

Description Configure the relative uri(e.g /example , default /)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: /

sampling-enable

Type: List

test-connectivity

Description Test connectivity to notification receiver

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for notifications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reporting_template_notification_template-name-list_authentication

Specification	
Type	*object*

api-key

Description Configure api-key as a mode of authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

api-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

api-key-string

Description Configure api-key as a mode of authentication

Type: string

Format: password

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-password

Description Configure the authentication user password (Authentication password)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-password-string

Description Configure the authentication user password (Authentication password)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username

Description Configure the authentication user name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

relative-login-uri

Description Configure the authentication login uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

relative-logoff-uri

Description Configure the authentication logoff uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reporting_template_notification_template-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sent_successful': Sent successful; 'send_fail': Send failures; 'response_fail': Response failures;

Type: string

Supported Values: all, sent_successful, send_fail, response_fail

reporting_telemetry-export-interval

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Monitored entity telemetry data export interval in mins (Default 5 mins)

Type: number

Range: 1-5

Default: 5

mon-entity-telemetry-data

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-entity-telemetry-data_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'in_pkts': Monitored Entity telemetry Metric IN pkts; 'out_pkts': Monitored Entity telemetry Metric OUT pkts; 'in_bytes': Monitored Entity telemetry Metric IN bytes; 'out_bytes': Monitored Entity telemetry Metric OUT bytes; 'errors': Monitored Entity telemetry Metric ERRORS; 'in_small_pkt': Monitored Entity telemetry Metric IN SMALL pkt; 'in_frag': Monitored Entity telemetry Metric IN frag; 'out_small_pkt': Monitored Entity telemetry Metric OUT SMALL pkt; 'out_frag': Monitored Entity telemetry Metric OUT frag; 'new-conn': Monitored Entity telemetry Metric New Sessions; 'concurrent-conn': concurrent-conn; 'in_bytes_per_out_bytes': Monitored Entity telemetry Metric IN bytes per OUT bytes; 'drop_pkts_per_pkts': Monitored Entity telemetry Metric Drop pkts per pkts; 'tcp_in_syn': Monitored Entity telemetry Metric TCP IN syn; 'tcp_out_syn': Monitored Entity telemetry Metric TCP OUT syn; 'tcp_in_fin': Monitored Entity telemetry Metric TCP IN fin; 'tcp_out_fin': Monitored Entity telemetry Metric TCP OUT fin; 'tcp_in_payload': Monitored Entity telemetry Metric TCP IN payload; 'tcp_out_payload': Monitored Entity telemetry Metric TCP OUT payload; 'tcp_in_rexmit': Monitored Entity telemetry Metric TCP IN rexmit; 'tcp_out_rexmit': Monitored Entity telemetry Metric TCP OUT rexmit; 'tcp_in_rst': Monitored Entity telemetry Metric TCP IN rst; 'tcp_out_rst': Monitored Entity telemetry Metric TCP OUT rst; 'tcp_in_empty_ack': Monitored Entity telemetry Metric TCP_IN EMPTY ack; 'tcp_out_empty_ack': Monitored Entity telemetry Metric TCP OUT EMPTY ack; 'tcp_in_zero_wnd': Monitored Entity telemetry Metric TCP IN ZERO wnd; 'tcp_out_zero_wnd': Monitored Entity telemetry Metric TCP OUT ZERO wnd; 'tcp_fwd_syn_per_fin': Monitored Entity telemetry Metric TCP FWD SYN per FIN;

Type: string

Supported Values: all, in_pkts, out_pkts, in_bytes, out_bytes, errors, in_small_pkt, in_frag, out_small_pkt, out_frag, new-conn, concurrent-conn, in_bytes_per_out_bytes, drop_pkts_per_pkts, tcp_in_syn, tcp_out_syn, tcp_in_fin, tcp_out_fin, tcp_in_payload, tcp_out_payload, tcp_in_rexmit, tcp_out_rexmit, tcp_in_rst, tcp_out_rst, tcp_in_empty_ack, tcp_out_empty_ack, tcp_in_zero_wnd, tcp_out_zero_wnd, tcp_fwd_syn_per_fin

port-scan-detection

Specification	
Type	*object*

events

Description Number of scanned port events (default 10)

Type: number

Range: 10-300

Default: 10

interval

Description Time interval for port scan detection (default 60)

Type: number

Range: 1-300

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-list

Description Class list of ipv4 addresses to be whitelisted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

v6-list

Description Class list of ipv6 addresses to be whitelisted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

ping-sweep-detection

Specification	
Type	*object*

events

Description Number of scanned ip events (default 10)

Type: number

Range: 10-300

Default: 10

interval

Description Time interval for ip sweep detection (default 60)

Type: number

Range: 1-300

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-list

Description Class list of ipv4 addresses to be whitelisted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

v6-list

Description Class list of ipv6 addresses to be whitelisted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

mon-topk

Specification	
Type	*object*

sources

Description: sources is a **JSON Block**. Please see below for *mon-topk_sources*

Type: Object

Refernce Object: */axapi/v3/visibility/mon-topk/sources*

mon-topk_sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitored-entity

Specification	
Type	*object*

detail

Description: detail is a **JSON Block**. Please see below for *monitored-entity_detail*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/detail*

mon-topk

Description: mon-topk is a **JSON Block**. Please see below for *monitored-entity_mon-topk*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/mon-topk*

secondary

Description: secondary is a **JSON Block**. Please see below for *monitored-entity_secondary*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary*

sessions

Description: sessions is a **JSON Block**. Please see below for *monitored-entity_sessions*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/sessions*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitored-entity_mon-topk

Specification	
Type	*object*

sources

Description: sources is a **JSON Block**. Please see below for *monitored-entity_mon-topk_sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/mon-topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitored-entity_mon-topk_sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitored-entity_secondary

Specification	
Type	*object*

mon-topk

Description: mon-topk is a **JSON Block**. Please see below for *monitored-entity_secondary_mon-topk*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary/mon-topk*

monitored-entity_secondary_mon-topk

Specification	
Type	*object*

sources

Description: sources is a **JSON Block**. Please see below for *monitored-entity_secondary_mon-topk_sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitored-entity_secondary_mon-topk_sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitored-entity_sessions

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitored-entity_detail

Specification	
Type	*object*

debug

Description: debug is a **JSON Block**. Please see below for *monitored-entity_detail_debug*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/detail/debug*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitored-entity_detail_debug

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug-files

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn

Specification	
Type	*object*

cgnv6-nat-pool-topn-node

Description: cgnv6-nat-pool-topn-node is a **JSON Block**. Please see below for *topn_cgnv6-nat-pool-topn-node*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-node*

cgnv6-nat-pool-topn-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}*

gtp-apn-prefix-topn-node

Description: gtp-apn-prefix-topn-node is a **JSON Block**. Please see below for *topn_gtp-apn-prefix-topn-node*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-node*

gtp-apn-prefix-topn-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}*

gtp-network-element-topn-node

Description: gtp-network-element-topn-node is a **JSON Block**. Please see below for *topn_gtp-network-element-topn-node*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-node*

gtp-network-element-topn-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_cgnv6-nat-pool-topn-node

Specification	
Type	*object*

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_gtp-network-element-topn-node

Specification	
Type	*object*

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_gtp-apn-prefix-topn-node

Specification	
Type	*object*

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'heap-alloc-success': Total heap node allocated; 'heap-alloc-failed': Total heap node alloc failed; 'heap-alloc-oom': Total heap node alloc failed Out of Memory; 'obj-reg-success': Total object node allocated; 'obj-reg-failed': Total object node alloc failed; 'obj-reg-oom': Total object node alloc failed Out of Memory; 'heap-deleted': Total Heap node deleted; 'obj-deleted': Total Object node deleted; 'heap-metric-alloc-success': Total heap metric node allocated; 'heap-metric-alloc-oom': Total heap metric node alloc failed Out of Memory; 'heap-move-to-delq': Total heap node moved to delq; 'heap-metric-deleted': Total Heap metric node deleted; 'obj-metric-reg-success': Total object Metric node allocated; 'obj-metric-reg-oom': Total object Metric node alloc failed Out of Memory; 'obj-move-to-delq': Total object node moved to delq; 'obj-metric-deleted': Total Object metric node deleted; 'hc-obj-alloc-failed': Send failed to HC, Out of Memory;

Type: string

Supported Values: all, heap-alloc-success, heap-alloc-failed, heap-alloc-oom, obj-reg-success, obj-reg-failed, obj-reg-oom, heap-deleted, obj-deleted, heap-metric-alloc-success, heap-metric-alloc-oom, heap-move-to-delq, heap-metric-deleted, obj-metric-reg-success, obj-metric-reg-oom, obj-move-to-delq, obj-metric-deleted, hc-obj-alloc-failed

topn_cgnv6-nat-pool-topn-tmpl-list

Specification	
Type	*list*
Block object keys	

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *topn_cgnv6-nat-pool-topn-tmpl-list_metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_cgnv6-nat-pool-topn-tmpl-list_metrics

Specification	
Type	*object*

tcp-total

Description Track Top-N entities for TCP total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-total

Description Track Top-N entities for UDP Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_gtp-apn-prefix-topn-tmpl-list

Specification	
Type	*list*
Block object keys	

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *topn_gtp-apn-prefix-topn-tmpl-list_metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_gtp-apn-prefix-topn-tmpl-list_metrics

Specification	
Type	*object*

downlink-bytes

Description Track Top-N entities for Downlink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-pkts

Description Track Top-N entities for Downlink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-apn-filtering

Description Track Top-N entities for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Track Top-N entities for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Track Top-N entities for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Track Top-N entities for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Track Top-N entities for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Track Top-N entities for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Track Top-N entities for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv0-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv1-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv2-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Create Session Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Track Top-N entities for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Track Top-N entities for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Track Top-N entities for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Track Top-N entities for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Track Top-N entities for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Track Top-N entities for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Track Top-N entities for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Track Top-N entities for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Track Top-N entities for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Track Top-N entities for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Track Top-N entities for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Track Top-N entities for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Track Top-N entities for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Track Top-N entities for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Track Top-N entities for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Track Top-N entities for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Track Top-N entities for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Track Top-N entities for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Track Top-N entities for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Track Top-N entities for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-unsupported-message-type

Description Track Top-N entities for Validation Drop: Message type not supported by GTP Version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Track Top-N entities for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-path-management-message

Description Track Top-N entities for GTP Path Management Messages Received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-created

Description Track Top-N entities for GTP-U Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-deleted

Description Track Top-N entities for GTP-U Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPV0-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv0-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-closed

Description Track Top-N entities for GTPv0-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-created

Description Track Top-N entities for GTPv0-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted

Description Track Top-N entities for GTPv0-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv0-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-closed

Description Track Top-N entities for GTPv0-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-open

Description Track Top-N entities for GTPv0-C Half open tunnel created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPV0-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPV1-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv1-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-closed

Description Track Top-N entities for GTPv1-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-created

Description Track Top-N entities for GTPv1-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted

Description Track Top-N entities for GTPv1-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv1-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-closed

Description Track Top-N entities for GTPv1-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-open

Description Track Top-N entities for GTPv1-C Half open tunnel created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPV1-C Update PDP Context response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-create-sess-resp-unsuccess

Description Track Top-N entities for GTPV2-C Create Session Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv2-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-mod_bearer-resp-unsuccess

Description Track Top-N entities for GTPV2-C Modify Bearer Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-piggyback-message

Description Track Top-N entities for GTPv2-C Piggyback Messages seen

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-closed

Description Track Top-N entities for GTPv2-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-created

Description Track Top-N entities for GTPv2-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted

Description Track Top-N entities for GTPv2-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv2-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-closed

Description Track Top-N entities for GTPv2-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-open

Description Track Top-N entities for GTPv2-C Half open tunnel created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-bytes

Description Track Top-N entities for Uplink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-pkts

Description Track Top-N entities for Uplink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_gtp-network-element-topn-tmpl-list

Specification	
Type	*list*
Block object keys	

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *topn_gtp-network-element-topn-tmpl-list_metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

topn_gtp-network-element-topn-tmpl-list_metrics

Specification	
Type	*object*

downlink-bytes

Description Track Top-N entities for Downlink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-pkts

Description Track Top-N entities for Downlink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-apn-filtering

Description Track Top-N entities for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Track Top-N entities for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Track Top-N entities for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Track Top-N entities for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Track Top-N entities for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Track Top-N entities for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Track Top-N entities for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv0-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv1-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv2-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Create Session Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Track Top-N entities for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Track Top-N entities for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Track Top-N entities for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Track Top-N entities for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Track Top-N entities for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Track Top-N entities for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Track Top-N entities for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Track Top-N entities for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Track Top-N entities for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Track Top-N entities for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Track Top-N entities for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Track Top-N entities for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Track Top-N entities for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Track Top-N entities for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Track Top-N entities for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Track Top-N entities for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Track Top-N entities for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Track Top-N entities for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Track Top-N entities for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-unsupported-message-type

Description Track Top-N entities for Validation Drop: Message type not supported by GTP Version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Track Top-N entities for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop_vld-gtp-bearer-count-exceed

Description Track Top-N entities for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-path-management-message

Description Track Top-N entities for GTP Path Management Messages Received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-created

Description Track Top-N entities for GTP-U Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-deleted

Description Track Top-N entities for GTP-U Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPv0-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv0-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-reserved-message-allow

Description Track Top-N entities for GTPv0-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-closed

Description Track Top-N entities for GTPv0-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-created

Description Track Top-N entities for GTPv0-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted

Description Track Top-N entities for GTPv0-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv0-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-closed

Description Track Top-N entities for GTPv0-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-open

Description Track Top-N entities for GTPv0-C Half open tunnel created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPv0-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPv1-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv1-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-reserved-message-allow

Description Track Top-N entities for GTPv1-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-closed

Description Track Top-N entities for GTPv1-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-created

Description Track Top-N entities for GTPv1-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted

Description Track Top-N entities for GTPv1-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv1-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-closed

Description Track Top-N entities for GTPv1-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-open

Description Track Top-N entities for GTPv1-C Half open tunnel created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPv1-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-create-sess-resp-unsuccess

Description Track Top-N entities for GTPv2-C Create Session Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv2-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-mod_bearer-resp-unsuccess

Description Track Top-N entities for GTPv2-C Modify Bearer Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-piggyback-message

Description Track Top-N entities for GTPv2-C Piggyback Messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-reserved-message-allow

Description Track Top-N entities for GTPv2-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-closed

Description Track Top-N entities for GTPv2-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-created

Description Track Top-N entities for GTPv2-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted

Description Track Top-N entities for GTPv2-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv2-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-closed

Description Track Top-N entities for GTPv2-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-open

Description Track Top-N entities for GTPv2-C Half open tunnel created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-bytes

Description Track Top-N entities for Uplink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-pkts

Description Track Top-N entities for Uplink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'mon-entity-limit-exceed': Total monitor entity limit exceed failures; 'ha-entity-create-sent': Total montior entity HA create messages sent; 'ha-entity-delete-sent': Total montior entity HA delete messages sent; 'ha-entity-anomaly-on-sent': Total anomaly on HA messages sent; 'ha-entity-anomaly-off-sent': Total anomaly off HA messages sent; 'ha-entity-periodic-sync-sent': Total monitor entity periodic sync messages sent; 'out-of-memory-alloc-failures': Out of memory allocation failures; 'lw-mon-entity-created': Total Light-weight entities created; 'lw-mon-entity-deleted': Total Light-weight entities deleted; 'lw-mon-entity-limit-exceed': Light weight limit exceeded errors; 'lw-out-of-memory-alloc-failures': Light Weight Out-of-memory allocation failures; 'mon-entity-rrd-file-timestamp-err': Total monitor entity rrd file timestamp errors; 'mon-entity-rrd-update-err': Total monitor entity rrd update error; 'mon-entity-rrd-last-update-fetch-failed-err': Total monitor entity rrd last update fetch failed error; 'mon-entity-rrd-tune-err': Total monitor entity rrd tune error; 'mon-entity-rrd-out-of-memory-err': Total monitor entity rrd load failed, out of memory error; 'mon-entity-rrd-file-create-err': Total monitor entity rrd file create error;

Type: string

Supported Values: all, mon-entity-limit-exceed, ha-entity-create-sent, ha-entity-delete-sent, ha-entity-anomaly-on-sent, ha-entity-anomaly-off-sent, ha-entity-periodic-sync-sent, out-of-memory-alloc-failures, lw-mon-entity-created, lw-mon-entity-deleted, lw-mon-entity-limit-exceed, lw-out-of-memory-alloc-failures, mon-entity-rrd-file-timestamp-err, mon-entity-rrd-update-err, mon-entity-rrd-last-update-fetch-failed-err, mon-entity-rrd-tune-err, mon-entity-rrd-out-of-memory-err, mon-entity-rrd-file-create-err

packet-capture

Specification	
Type	*object*

automated-captures

Description: automated-captures is a **JSON Block**. Please see below for *packet-capture_automated-captures*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/automated-captures*

capture-config-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config/{name}*

delete-packet-capture-file

Description: delete-packet-capture-file is a **JSON Block**. Please see below for *packet-capture_delete-packet-capture-file*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/delete-packet-capture-file*

global-templates

Description: global-templates is a **JSON Block**. Please see below for *packet-capture_global-templates*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates*

object-templates

Description: object-templates is a **JSON Block**. Please see below for *packet-capture_object-templates*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_automated-captures

Specification	
Type	*object*

slb_port_tmpl_error_code_return_inc

Description Trigger capture when there is 3xx or 4xx or 5xx responses from server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb_port_tmpl_high_error_code_return

Description Trigger capture when there is high number of 3xx or 4xx or 5xx responses from server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates

Specification	
Type	*object*

aam-aaa-policy-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}*

aam-auth-captcha-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}*

aam-auth-logon-http-ins-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}*

aam-auth-relay-form-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}*

aam-auth-relay-hbase-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}*

aam-auth-relay-ntlm-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}*

aam-auth-saml-id-prov-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}*

aam-auth-saml-service-prov-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}*

aam-auth-server-ldap-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}*

aam-auth-server-ocsp-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}*

aam-auth-server-rad-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}*

aam-auth-server-win-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}*

aam-auth-service-group-mem-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}*

aam-auth-service-group-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}*

aam-jwt-authorization-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}*

cgnv6-encap-domain-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}*

cgnv6-map-trans-domain-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}*

dns_vport-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-server-port-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}*

fw-service-group-mem-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}*

fw-service-group-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}*

interface-ethernet-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}*

rule-set-rule-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}*

rule-set-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}*

slb-port-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}*

slb-tmpl-cache-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}*

slb-vport-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}*

tmpl-gtp-plcy-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-ldap-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw_change_failure

Description Enable automatic packet-capture for Password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

pw_change_failure

Description Enable automatic packet-capture for Password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-ntlm-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

buffer-alloc-fail

Description Enable automatic packet-capture for Buffer Allocation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encoding-fail

Description Enable automatic packet-capture for Encoding Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-header-fail

Description Enable automatic packet-capture for Insert Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internal-error

Description Enable automatic packet-capture for Internal Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-header-fail

Description Enable automatic packet-capture for Parse Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

buffer-alloc-fail

Description Enable automatic packet-capture for Buffer Allocation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

encoding-fail

Description Enable automatic packet-capture for Encoding Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-header-fail

Description Enable automatic packet-capture for Insert Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internal-error

Description Enable automatic packet-capture for Internal Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-header-fail

Description Enable automatic packet-capture for Parse Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-jwt-authorization-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

jwt-authorize-failure

Description Enable automatic packet-capture for JWT Authorize Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-claim

Description Enable automatic packet-capture for JWT Missing Claim

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-token

Description Enable automatic packet-capture for JWT Missing Token

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-signature-failure

Description Enable automatic packet-capture for JWT Signature Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-token-expired

Description Enable automatic packet-capture for JWT Token Expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

jwt-authorize-failure

Description Enable automatic packet-capture for JWT Authorize Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-claim

Description Enable automatic packet-capture for JWT Missing Claim

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-token

Description Enable automatic packet-capture for JWT Missing Token

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-signature-failure

Description Enable automatic packet-capture for JWT Signature Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-token-expired

Description Enable automatic packet-capture for JWT Token Expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-rad-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

timeout_error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout_error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-service-group-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-service-group-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-service-group-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-service-group-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-service-group-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-service-group-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server_selection_fail_drop

Description Enable automatic packet-capture for Drops due to Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Resets sent out for Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-service-group-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server_selection_fail_drop

Description Enable automatic packet-capture for Drops due to Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Resets sent out for Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-server-port-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-server-port-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-server-port-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-server-port-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-server-port-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-server-port-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_invalid_http

Description Enable automatic packet-capture for Total non-http response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-server-port-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_invalid_http

Description Enable automatic packet-capture for Total non-http response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_dns_vport-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_dns_vport-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_dns_vport-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_dns_vport-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_dns_vport-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_dns_vport-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

dns_filter_class_any_drop

Description Enable automatic packet-capture for counters DNS Filter Class ANY Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_chaos_drop

Description Enable automatic packet-capture for counters DNS Filter Class CHAOS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_hesiod_drop

Description Enable automatic packet-capture for counters DNS Filter Class HESIOD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_internet_drop

Description Enable automatic packet-capture for counters DNS Filter Class INTERNET Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_none_drop

Description Enable automatic packet-capture for counters DNS Filter Class NONE Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_others_drop

Description Enable automatic packet-capture for counters DNS Filter Class OTHER Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_a_drop

Description Enable automatic packet-capture for counters DNS Filter Type A Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_aaaa_drop

Description Enable automatic packet-capture for counters DNS Filter Type AAAA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_any_drop

Description Enable automatic packet-capture for counters DNS Filter Type Any Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_cname_drop

Description Enable automatic packet-capture for counters DNS Filter Type CNAME Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_mx_drop

Description Enable automatic packet-capture for counters DNS Filter Type MX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ns_drop

Description Enable automatic packet-capture for counters DNS Filter Type NS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_others_drop

Description Enable automatic packet-capture for counters DNS Filter Type OTHERS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ptr_drop

Description Enable automatic packet-capture for counters DNS Filter Type PTR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_soa_drop

Description Enable automatic packet-capture for counters DNS Filter Type SOA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_srv_drop

Description Enable automatic packet-capture for counters DNS Filter Type SRV Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_txt_drop

Description Enable automatic packet-capture for counters DNS Filter Type TXT Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_rpz_action_drop

Description Enable automatic packet-capture for DNS RPZ Action Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for dns rrl drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_query_bad

Description Enable automatic packet-capture for gslb query bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_response_bad

Description Enable automatic packet-capture for gslb response bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_class_drop

Description Enable automatic packet-capture for counters Total DNS Filter Class Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_type_drop

Description Enable automatic packet-capture for counters Total DNS Filter Type Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_filter_drop

Description Enable automatic packet-capture for query filter drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_max_query_len_drop

Description Enable automatic packet-capture for query too long drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_dns_vport-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

dns_filter_class_any_drop

Description Enable automatic packet-capture for counters DNS Filter Class ANY Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_chaos_drop

Description Enable automatic packet-capture for counters DNS Filter Class CHAOS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_hesiod_drop

Description Enable automatic packet-capture for counters DNS Filter Class HESIOD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_internet_drop

Description Enable automatic packet-capture for counters DNS Filter Class INTERNET Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_none_drop

Description Enable automatic packet-capture for counters DNS Filter Class NONE Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_others_drop

Description Enable automatic packet-capture for counters DNS Filter Class OTHER Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_a_drop

Description Enable automatic packet-capture for counters DNS Filter Type A Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_aaaa_drop

Description Enable automatic packet-capture for counters DNS Filter Type AAAA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_any_drop

Description Enable automatic packet-capture for counters DNS Filter Type Any Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_cname_drop

Description Enable automatic packet-capture for counters DNS Filter Type CNAME Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_mx_drop

Description Enable automatic packet-capture for counters DNS Filter Type MX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ns_drop

Description Enable automatic packet-capture for counters DNS Filter Type NS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_others_drop

Description Enable automatic packet-capture for counters DNS Filter Type OTHERS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ptr_drop

Description Enable automatic packet-capture for counters DNS Filter Type PTR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_soa_drop

Description Enable automatic packet-capture for counters DNS Filter Type SOA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_srv_drop

Description Enable automatic packet-capture for counters DNS Filter Type SRV Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_txt_drop

Description Enable automatic packet-capture for counters DNS Filter Type TXT Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_rpz_action_drop

Description Enable automatic packet-capture for DNS RPZ Action Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for dns rrl drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

gslb_query_bad

Description Enable automatic packet-capture for gslb query bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_response_bad

Description Enable automatic packet-capture for gslb response bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

total_dns_filter_class_drop

Description Enable automatic packet-capture for counters Total DNS Filter Class Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_type_drop

Description Enable automatic packet-capture for counters Total DNS Filter Type Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_filter_drop

Description Enable automatic packet-capture for query filter drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_max_query_len_drop

Description Enable automatic packet-capture for query too long drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-service-group-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-service-group-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-service-group-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-service-group-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-service-group-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-service-group-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server_selection_fail_drop

Description Enable automatic packet-capture for Service selection fail drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Service selection fail reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-service-group-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server_selection_fail_drop

Description Enable automatic packet-capture for Service selection fail drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Service selection fail reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_cgnv6-map-trans-domain-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-hbase-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server-error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unavailable

Description Enable automatic packet-capture for Service Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server-error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unavailable

Description Enable automatic packet-capture for Service Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-aaa-policy-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-aaa-policy-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-aaa-policy-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-aaa-policy-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-aaa-policy-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-aaa-policy-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

error

Description Enable automatic packet-capture for Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-aaa-policy-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

error

Description Enable automatic packet-capture for Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-win-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

krb_pw_expiry

Description Enable automatic packet-capture for Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

krb_timeout_error

Description Enable automatic packet-capture for Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_prepare_req_error

Description Enable automatic packet-capture for NTLM Prepare Request Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_proto_nego_failure

Description Enable automatic packet-capture for NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_session_setup_failure

Description Enable automatic packet-capture for NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_timeout_error

Description Enable automatic packet-capture for NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

krb_pw_expiry

Description Enable automatic packet-capture for Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

krb_timeout_error

Description Enable automatic packet-capture for Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_prepare_req_error

Description Enable automatic packet-capture for NTLM Prepare Request Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_proto_nego_failure

Description Enable automatic packet-capture for NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_session_setup_failure

Description Enable automatic packet-capture for NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_timeout_error

Description Enable automatic packet-capture for NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-logon-http-ins-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

spn_krb_faiure

Description Enable automatic packet-capture for SPN Kerberos Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

spn_krb_faiure

Description Enable automatic packet-capture for SPN Kerberos Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-captcha-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attibute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-fail

Description Enable automatic packet-capture for Total JSON Response Parse Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attibute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-fail

Description Enable automatic packet-capture for Total JSON Response Parse Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-service-group-mem-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-tmpl-cache-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

header_save_error

Description Enable automatic packet-capture for header_save_error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_req_header

Description Enable automatic packet-capture for nc_req_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_res_header

Description Enable automatic packet-capture for nc_res_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

header_save_error

Description Enable automatic packet-capture for header_save_error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_req_header

Description Enable automatic packet-capture for nc_req_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_res_header

Description Enable automatic packet-capture for nc_res_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_tmpl-gtp-plcy-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

drop-flt-apn-filtering

Description Enable automatic packet-capture for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Enable automatic packet-capture for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Enable automatic packet-capture for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Enable automatic packet-capture for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Enable automatic packet-capture for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv0-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv1-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv2-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Create Session Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Enable automatic packet-capture for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Enable automatic packet-capture for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Enable automatic packet-capture for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-ie-repeat-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP repeated IE count exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Enable automatic packet-capture for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv0-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-message-length-mismat

Description Enable automatic packet-capture for GTPv0-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv1-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-message-length-mismat

Description Enable automatic packet-capture for GTPv1-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv2-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-message-length-mismat

Description Enable automatic packet-capture for GTPv2-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Enable automatic packet-capture for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Enable automatic packet-capture for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Enable automatic packet-capture for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Enable automatic packet-capture for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-ie-in-grouped-ie

Description Enable automatic packet-capture for Validation Drop: Mandatory IE in Grouped IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Enable automatic packet-capture for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Enable automatic packet-capture for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Enable automatic packet-capture for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Enable automatic packet-capture for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Enable automatic packet-capture for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Enable automatic packet-capture for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Enable automatic packet-capture for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Enable automatic packet-capture for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v0-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v1-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v2-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Create Session Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Enable automatic packet-capture for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Enable automatic packet-capture for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v0-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv0-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v1-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v2-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Enable automatic packet-capture for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

drop-flt-apn-filtering

Description Enable automatic packet-capture for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Enable automatic packet-capture for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Enable automatic packet-capture for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Enable automatic packet-capture for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Enable automatic packet-capture for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv0-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv1-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv2-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Create Session Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Enable automatic packet-capture for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Enable automatic packet-capture for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Enable automatic packet-capture for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-ie-repeat-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP repeated IE count exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Enable automatic packet-capture for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv0-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-message-length-mismat

Description Enable automatic packet-capture for GTPv0-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv1-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-message-length-mismat

Description Enable automatic packet-capture for GTPv1-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv2-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-message-length-mismat

Description Enable automatic packet-capture for GTPv2-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Enable automatic packet-capture for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Enable automatic packet-capture for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Enable automatic packet-capture for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Enable automatic packet-capture for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-ie-in-grouped-ie

Description Enable automatic packet-capture for Validation Drop: Mandatory IE in Grouped IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Enable automatic packet-capture for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Enable automatic packet-capture for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Enable automatic packet-capture for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Enable automatic packet-capture for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Enable automatic packet-capture for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Enable automatic packet-capture for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Enable automatic packet-capture for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Enable automatic packet-capture for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v0-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v1-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v2-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Create Session Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Enable automatic packet-capture for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Enable automatic packet-capture for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v0-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv0-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v1-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v2-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Enable automatic packet-capture for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-service-group-mem-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-service-group-mem-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-service-group-mem-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_fw-service-group-mem-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-service-group-mem-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-service-group-mem-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_fw-service-group-mem-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-port-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-port-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-port-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-port-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-port-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-port-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

es_resp_300

Description Enable automatic packet-capture for Response status 300

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-3xx

Description Enable automatic packet-capture for Response status 3xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-4xx

Description Enable automatic packet-capture for Response status 4xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-5xx

Description Enable automatic packet-capture for Response status 5xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-port-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_resp_300

Description Enable automatic packet-capture for Response status 300

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-3xx

Description Enable automatic packet-capture for Response status 3xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-4xx

Description Enable automatic packet-capture for Response status 4xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-5xx

Description Enable automatic packet-capture for Response status 5xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-saml-service-prov-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-vport-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-vport-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-vport-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_slb-vport-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-vport-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-vport-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

dnsrrl_total_dropped

Description Enable automatic packet-capture for DNS Response-Rate-Limiting Total Responses Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_total_failure_actions

Description Enable automatic packet-capture for Total failure actions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_mf_dns_pkts

Description Enable automatic packet-capture for Total MF DNS packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_slb-vport-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

dnsrrl_total_dropped

Description Enable automatic packet-capture for DNS Response-Rate-Limiting Total Responses Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_total_failure_actions

Description Enable automatic packet-capture for Total failure actions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

total_mf_dns_pkts

Description Enable automatic packet-capture for Total MF DNS packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-saml-id-prov-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

acs-fail

Description Enable automatic packet-capture for ACS Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

md-fail

Description Enable automatic packet-capture for Metadata Update Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

acs-fail

Description Enable automatic packet-capture for ACS Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

md-fail

Description Enable automatic packet-capture for Metadata Update Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-form-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

bad_req

Description Enable automatic packet-capture for Bad Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_cred

Description Enable automatic packet-capture for Invalid Credential

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_srv_rsp

Description Enable automatic packet-capture for Invalid Server Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not_fnd

Description Enable automatic packet-capture for Not Found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other_error

Description Enable automatic packet-capture for Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post_fail

Description Enable automatic packet-capture for POST Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

bad_req

Description Enable automatic packet-capture for Bad Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_cred

Description Enable automatic packet-capture for Invalid Credential

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_srv_rsp

Description Enable automatic packet-capture for Invalid Server Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not_fnd

Description Enable automatic packet-capture for Not Found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other_error

Description Enable automatic packet-capture for Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post_fail

Description Enable automatic packet-capture for POST Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_rule-set-rule-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_rule-set-rule-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_rule-set-rule-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_rule-set-rule-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_rule-set-rule-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_rule-set-rule-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

deny-packets

Description Enable automatic packet-capture for Denied packets counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_rule-set-rule-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

deny-packets

Description Enable automatic packet-capture for Denied packets counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_cgnv6-encap-domain-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_interface-ethernet-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_interface-ethernet-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_interface-ethernet-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_interface-ethernet-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_interface-ethernet-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_interface-ethernet-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

collisions

Description Enable automatic packet-capture for Collisions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crc

Description Enable automatic packet-capture for CRC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

giants_output

Description Enable automatic packet-capture for Output Giants

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

input_errors

Description Enable automatic packet-capture for Input errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

output_errors

Description Enable automatic packet-capture for Output errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runts

Description Enable automatic packet-capture for Runts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_interface-ethernet-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

collisions

Description Enable automatic packet-capture for Collisions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crc

Description Enable automatic packet-capture for CRC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

giants_output

Description Enable automatic packet-capture for Output Giants

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

input_errors

Description Enable automatic packet-capture for Input errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

output_errors

Description Enable automatic packet-capture for Output errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runts

Description Enable automatic packet-capture for Runts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_rule-set-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_rule-set-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_rule-set-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_rule-set-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_rule-set-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_rule-set-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

deny

Description Enable automatic packet-capture for Denied counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unmatched-drops

Description Enable automatic packet-capture for Unmatched drops counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_rule-set-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

deny

Description Enable automatic packet-capture for Denied counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unmatched-drops

Description Enable automatic packet-capture for Unmatched drops counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-ocsp-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *packet-capture_object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-timeout

Description Enable automatic packet-capture for OCSP Stapling Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-timeout

Description Enable automatic packet-capture for OCSP Stapling Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_delete-packet-capture-file

Specification	
Type	*object*

all

Description Delete all files in this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-name

Description Specify the name of the packet capture file to be deleted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

packet-capture_global-templates

Specification	
Type	*object*

activate

Description: activate is a **JSON Block**. Please see below for *packet-capture_global-templates_activate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/activate*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_activate

Specification	
Type	*object*

template

Description Name of the global templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change

Description: trigger-sys-obj-stats-change is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change*

trigger-sys-obj-stats-severity

Description: trigger-sys-obj-stats-severity is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change

Specification	
Type	*object*

aam-auth-account

Description: aam-auth-account is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account*

aam-auth-captcha

Description: aam-auth-captcha is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha*

aam-auth-relay-kerberos

Description: aam-auth-relay-kerberos is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos*

aam-auth-saml-global

Description: aam-auth-saml-global is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global*

aam-auth-server-ldap

Description: aam-auth-server-ldap is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap*

aam-auth-server-ocsp

Description: aam-auth-server-ocsp is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp*

aam-auth-server-radius

Description: aam-auth-server-radius is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius*

aam-auth-server-win

Description: aam-auth-server-win is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win*

aam-authentication-global

Description: aam-authentication-global is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global*

cgnv6-ddos-proc

Description: cgnv6-ddos-proc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc*

cgnv6-dhcpv6

Description: cgnv6-dhcpv6 is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6*

cgnv6-dns64

Description: cgnv6-dns64 is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64*

cgnv6-ds-lite-global

Description: cgnv6-ds-lite-global is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global*

cgnv6-http-alg

Description: cgnv6-http-alg is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg*

cgnv6-icmp

Description: cgnv6-icmp is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp*

cgnv6-l4

Description: cgnv6-l4 is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4*

cgnv6-logging

Description: cgnv6-logging is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging*

cgnv6-lsn

Description: cgnv6-lsn is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn*

cgnv6-lsn-alg-h323

Description: cgnv6-lsn-alg-h323 is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323*

cgnv6-lsn-alg-mgcp

Description: cgnv6-lsn-alg-mgcp is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp*

cgnv6-lsn-alg-sip

Description: cgnv6-lsn-alg-sip is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip*

cgnv6-lsn-radius

Description: cgnv6-lsn-radius is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius*

cgnv6-nat64-global

Description: cgnv6-nat64-global is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global*

cgnv6-pcp

Description: cgnv6-pcp is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-alg-rtsp

Description: fw-alg-rtsp is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp*

fw-ddos-protection

Description: fw-ddos-protection is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection*

fw-global

Description: fw-global is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global*

fw-gtp

Description: fw-gtp is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp*

fw-logging

Description: fw-logging is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging*

fw-logging-gtp

Description: fw-logging-gtp is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp*

fw-rad-server

Description: fw-rad-server is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server*

fw-tcp-syn-cookie

Description: fw-tcp-syn-cookie is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie*

ip-anomaly-drop

Description: ip-anomaly-drop is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop*

logging-local-log-global

Description: logging-local-log-global is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global*

slb-crl-srcip

Description: slb-crl-srcip is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip*

slb-fix

Description: slb-fix is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-fix*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix*

slb-ftp-proxy

Description: slb-ftp-proxy is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy*

slb-generic

Description: slb-generic is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-generic*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic*

slb-http2

Description: slb-http2 is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-http2*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2*

slb-hw-compress

Description: slb-hw-compress is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress*

slb-icap

Description: slb-icap is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-icap*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap*

slb-imap-proxy

Description: slb-imap-proxy is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy*

slb-l4

Description: slb-l4 is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-l4*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4*

slb-link-probe

Description: slb-link-probe is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe*

slb-mqtt

Description: slb-mqtt is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt*

slb-mssql

Description: slb-mssql is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql*

slb-pop3-proxy

Description: slb-pop3-proxy is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy*

slb-rc-cache

Description: slb-rc-cache is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache*

slb-smtp

Description: slb-smtp is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp*

slb-spdy-proxy

Description: slb-spdy-proxy is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy*

slb-ssl-cert-revoke

Description: slb-ssl-cert-revoke is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke*

slb-ssl-forward-proxy

Description: slb-ssl-forward-proxy is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy*

slb-switch

Description: slb-switch is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-switch*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch*

so-counters

Description: so-counters is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_so-counters*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters*

system-dpdk-stats

Description: system-dpdk-stats is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats*

system-fpga-drop

Description: system-fpga-drop is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop*

system-hardware-forward

Description: system-hardware-forward is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward*

system-radius-server

Description: system-radius-server is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-inc

Specification	
Type	*object*

46-known-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-no-prefix-for-ipv4

Description Enable automatic packet-capture for NAT64 Reverse No Prefix Match for IPv4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-unknown-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-known-drop

Description Enable automatic packet-capture for NAT64 Forward Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-midpoint-hop

Description Enable automatic packet-capture for NAT64 Forward Unknown Source Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-unknown-drop

Description Enable automatic packet-capture for NAT64 Forward Unknown ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMP Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-port-info

Description Enable automatic packet-capture for ICMP Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-session-drop

Description Enable automatic packet-capture for ICMP No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp

Description Enable automatic packet-capture for ICMP to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp-err

Description Enable automatic packet-capture for ICMP to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6-err

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-unknown-type

Description Enable automatic packet-capture for ICMP Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMPv6 Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-port-info

Description Enable automatic packet-capture for ICMPv6 Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-session-drop

Description Enable automatic packet-capture for ICMPv6 No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp-err

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6-err

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-unknown-type

Description Enable automatic packet-capture for ICMPv6 Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-rate

Specification	
Type	*object*

46-known-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-no-prefix-for-ipv4

Description Enable automatic packet-capture for NAT64 Reverse No Prefix Match for IPv4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-unknown-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-known-drop

Description Enable automatic packet-capture for NAT64 Forward Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-midpoint-hop

Description Enable automatic packet-capture for NAT64 Forward Unknown Source Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-unknown-drop

Description Enable automatic packet-capture for NAT64 Forward Unknown ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

icmp-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMP Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-port-info

Description Enable automatic packet-capture for ICMP Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-session-drop

Description Enable automatic packet-capture for ICMP No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp

Description Enable automatic packet-capture for ICMP to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp-err

Description Enable automatic packet-capture for ICMP to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6-err

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-unknown-type

Description Enable automatic packet-capture for ICMP Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMPv6 Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-port-info

Description Enable automatic packet-capture for ICMPv6 Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-session-drop

Description Enable automatic packet-capture for ICMPv6 No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp-err

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6-err

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-unknown-type

Description Enable automatic packet-capture for ICMPv6 Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-inc

Specification	
Type	*object*

l4-process-error

Description Enable automatic packet-capture for L3/L4 Process Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

noroute-drop

Description Enable automatic packet-capture for Response No Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-not-request-drop

Description Enable automatic packet-capture for Packet Not a PCP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-too-short-drop

Description Enable automatic packet-capture for Packet Too Short

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsol_ance_sent_fail

Description Enable automatic packet-capture for Unsolicited Announce Send Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-version

Description Enable automatic packet-capture for Unsupported PCP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

l4-process-error

Description Enable automatic packet-capture for L3/L4 Process Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

noroute-drop

Description Enable automatic packet-capture for Response No Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-not-request-drop

Description Enable automatic packet-capture for Packet Not a PCP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-too-short-drop

Description Enable automatic packet-capture for Packet Too Short

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unsol_ance_sent_fail

Description Enable automatic packet-capture for Unsolicited Announce Send Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-version

Description Enable automatic packet-capture for Unsupported PCP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-inc

Specification	
Type	*object*

hw-fwd-ageout-drop-count

Description Enable automatic packet-capture for hardware forward ageout drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-drop-count

Description Enable automatic packet-capture for hardware forward flow drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-error-count

Description Enable automatic packet-capture for hardware forward flow error count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-qdr-full-drop

Description Enable automatic packet-capture for hardware forward flow qdr full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-seq-mismatch

Description Enable automatic packet-capture for hardware forward sequence mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-singlebit-errors

Description Enable automatic packet-capture for hardware forward singlebit Errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tag-mismatch

Description Enable automatic packet-capture for hardware forward tag mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tx-full-drop

Description Enable automatic packet-capture for hardware forward flow tx full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-unalign-count

Description Enable automatic packet-capture for hardware forward flow unalign count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-underflow-count

Description Enable automatic packet-capture for hardware forward flow underflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-invalidation-drop

Description Enable automatic packet-capture for hardware forward invalid drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-phyport-mismatch-drop

Description Enable automatic packet-capture for hardware forward phyport mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-protocol-mismatch-drop

Description Enable automatic packet-capture for hardware forward protocol mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vlanid-mismatch-drop

Description Enable automatic packet-capture for hardware forward vlanid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vmid-drop

Description Enable automatic packet-capture for hardware forward vmid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

hw-fwd-ageout-drop-count

Description Enable automatic packet-capture for hardware forward ageout drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-drop-count

Description Enable automatic packet-capture for hardware forward flow drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-error-count

Description Enable automatic packet-capture for hardware forward flow error count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-qdr-full-drop

Description Enable automatic packet-capture for hardware forward flow qdr full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-seq-mismatch

Description Enable automatic packet-capture for hardware forward sequence mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-singlebit-errors

Description Enable automatic packet-capture for hardware forward singlebit Errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tag-mismatch

Description Enable automatic packet-capture for hardware forward tag mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tx-full-drop

Description Enable automatic packet-capture for hardware forward flow tx full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-unalign-count

Description Enable automatic packet-capture for hardware forward flow unalign count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-underflow-count

Description Enable automatic packet-capture for hardware forward flow underflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-invalidation-drop

Description Enable automatic packet-capture for hardware forward invalid drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-phyport-mismatch-drop

Description Enable automatic packet-capture for hardware forward phyport mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-protocol-mismatch-drop

Description Enable automatic packet-capture for hardware forward protocol mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vlanid-mismatch-drop

Description Enable automatic packet-capture for hardware forward vlanid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vmid-drop

Description Enable automatic packet-capture for hardware forward vmid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-inc

Specification	
Type	*object*

client_id_null

Description Enable automatic packet-capture for Null client id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_null

Description Enable automatic packet-capture for Null conn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insertion_failed

Description Enable automatic packet-capture for Insertion failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_connect_fail

Description Enable automatic packet-capture for Parse connect failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_publish_fail

Description Enable automatic packet-capture for Parse publish failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_subscribe_fail

Description Enable automatic packet-capture for Parse subscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_unsubscribe_fail

Description Enable automatic packet-capture for Parse unsubscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session_exist

Description Enable automatic packet-capture for Session already exist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_already_linked

Description Enable automatic packet-capture for tuple-already-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_not_linked

Description Enable automatic packet-capture for tuple-not-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-rate

Specification	
Type	*object*

client_id_null

Description Enable automatic packet-capture for Null client id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_null

Description Enable automatic packet-capture for Null conn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insertion_failed

Description Enable automatic packet-capture for Insertion failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_connect_fail

Description Enable automatic packet-capture for Parse connect failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_publish_fail

Description Enable automatic packet-capture for Parse publish failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_subscribe_fail

Description Enable automatic packet-capture for Parse subscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_unsubscribe_fail

Description Enable automatic packet-capture for Parse unsubscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session_exist

Description Enable automatic packet-capture for Session already exist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

tuple_already_linked

Description Enable automatic packet-capture for tuple-already-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_not_linked

Description Enable automatic packet-capture for tuple-not-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-inc

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-rate

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-inc

Specification	
Type	*object*

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-fix

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-inc

Specification	
Type	*object*

noroute

Description Enable automatic packet-capture for No route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

noroute

Description Enable automatic packet-capture for No route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-icap

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-inc

Specification	
Type	*object*

app_serv_conn_no_pcb_err

Description Enable automatic packet-capture for App Server Conn no ES PCB Err Stats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-rate

Specification	
Type	*object*

app_serv_conn_no_pcb_err

Description Enable automatic packet-capture for App Server Conn no ES PCB Err Stats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-inc

Specification	
Type	*object*

connections-failed

Description Enable automatic packet-capture for Connections failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-signing

Description Enable automatic packet-capture for Failed in Certificate signing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-verification

Description Enable automatic packet-capture for Failed in Certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-crypto-operations

Description Enable automatic packet-capture for Failed in crypto operations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-ssl-handshakes

Description Enable automatic packet-capture for Failed in SSL handshakes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-tcp

Description Enable automatic packet-capture for Failed in TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-ocsp-stapling-response

Description Enable automatic packet-capture for Invalid OCSP Stapling Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

revoked-ocsp-response

Description Enable automatic packet-capture for Revoked OCSP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-ssl-version

Description Enable automatic packet-capture for Unsupported SSL version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-rate

Specification	
Type	*object*

connections-failed

Description Enable automatic packet-capture for Connections failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

failed-in-certificate-signing

Description Enable automatic packet-capture for Failed in Certificate signing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-verification

Description Enable automatic packet-capture for Failed in Certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-crypto-operations

Description Enable automatic packet-capture for Failed in crypto operations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-ssl-handshakes

Description Enable automatic packet-capture for Failed in SSL handshakes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-tcp

Description Enable automatic packet-capture for Failed in TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-ocsp-stapling-response

Description Enable automatic packet-capture for Invalid OCSP Stapling Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

revoked-ocsp-response

Description Enable automatic packet-capture for Revoked OCSP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unsupported-ssl-version

Description Enable automatic packet-capture for Unsupported SSL version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-inc

Specification	
Type	*object*

drop-gtp-bearer-not-found-in-resp

Description Enable automatic packet-capture for GTP Bearer not found in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-frag-or-jumbo-pkt

Description Enable automatic packet-capture for GTP Fragmented or JUMBO packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-missing-cond-ie-bearer-ctx

Description Enable automatic packet-capture for Missing conditional IE in bearer context Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTP Echo IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-out-of-state-

Description Enable automatic packet-capture for GTP Echo Out of State Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-c-handover-request-out-of-state-dro

Description Enable automatic packet-capture for GTP-C Handover Request Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-entry-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-smp-create-failure

Description Enable automatic packet-capture for GTP Rate Limit SMP Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-t3-ctr-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Dynamic Counters Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rr-message-drop

Description Enable automatic packet-capture for GTP Message Dropped in RR Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-tunnel-rate-limit-entry-create-fail

Description Enable automatic packet-capture for GTP Tunnel Level Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-out-of-state-drop

Description Enable automatic packet-capture for GTP-U Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-nsapi-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv1-C NSAPI Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-res

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Tunnel Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-rate

Specification	
Type	*object*

drop-gtp-bearer-not-found-in-resp

Description Enable automatic packet-capture for GTP Bearer not found in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-frag-or-jumbo-pkt

Description Enable automatic packet-capture for GTP Fragmented or JUMBO packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-missing-cond-ie-bearer-ctx

Description Enable automatic packet-capture for Missing conditional IE in bearer context Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTP Echo IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-out-of-state-

Description Enable automatic packet-capture for GTP Echo Out of State Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

gtp-c-handover-request-out-of-state-dro

Description Enable automatic packet-capture for GTP-C Handover Request Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-entry-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-smp-create-failure

Description Enable automatic packet-capture for GTP Rate Limit SMP Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-t3-ctr-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Dynamic Counters Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rr-message-drop

Description Enable automatic packet-capture for GTP Message Dropped in RR Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-tunnel-rate-limit-entry-create-fail

Description Enable automatic packet-capture for GTP Tunnel Level Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-out-of-state-drop

Description Enable automatic packet-capture for GTP-U Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-nsapi-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv1-C NSAPI Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-res

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Tunnel Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout_error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout_error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_so-counters

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-inc

Specification	
Type	*object*

so_pkts_dest_mac_mistmatch_drop

Description Enable automatic packet-capture for Destination MAC Mistmatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_dropped

Description Enable automatic packet-capture for Total packets dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_dest_mac_zero_drop

Description Enable automatic packet-capture for Destination MAC Address zero Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_interface_not_up

Description Enable automatic packet-capture for L2redirect Intf is not UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_invalid_redirect_inf

Description Enable automatic packet-capture for Redirect Table Error due to invalid redirect info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_chassis_dest_mac_er

Description Enable automatic packet-capture for L3 Redirect RX multi-slot Destination MAC Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_non_ipv4_vxla

Description Enable automatic packet-capture for L3 Redirect received non ipv4 VXLAN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_rx_encap_para

Description Enable automatic packet-capture for L3 Redirect decap Rx encap params error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_vlan_sanity_d

Description Enable automatic packet-capture for L3 Redirect Decap VLAN Sanity Drop during receipt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_error_drop

Description Enable automatic packet-capture for L3 Redirect encap error drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv4_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect ipv4 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv6_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_fragmentation_error

Description Enable automatic packet-capture for L3 redirect encap Fragmentation error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_inner_mac_zero_drop

Description Enable automatic packet-capture for L3 Redirect inner mac zero drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_invalid_dev_dir

Description Enable automatic packet-capture for L3 Redirect Invalid Device direction during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_rcvd_in_l2_mode_dro

Description Enable automatic packet-capture for Recevied l3 redirect packets in L2 mode Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_error

Description Enable automatic packet-capture for L3 Redirect Table error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_no_entry_foun

Description Enable automatic packet-capture for L3 redirect Table no redirect entry found error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_too_large_pkts_in_d

Description Enable automatic packet-capture for Received L3 Redirected fragmented packets too large

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_scaleout_not_active_drop

Description Enable automatic packet-capture for Scaleout Not Active Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_release_fail

Description Enable automatic packet-capture for Total SLB NAT release failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_reserve_fail

Description Enable automatic packet-capture for Total SLB NAT reserve failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_traffic_map_not_found_drop

Description Enable automatic packet-capture for Traffic MAP Not Found Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

so_pkts_dest_mac_mistmatch_drop

Description Enable automatic packet-capture for Destination MAC Mistmatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_dropped

Description Enable automatic packet-capture for Total packets dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_dest_mac_zero_drop

Description Enable automatic packet-capture for Destination MAC Address zero Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_interface_not_up

Description Enable automatic packet-capture for L2redirect Intf is not UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_invalid_redirect_inf

Description Enable automatic packet-capture for Redirect Table Error due to invalid redirect info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_chassis_dest_mac_er

Description Enable automatic packet-capture for L3 Redirect RX multi-slot Destination MAC Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_non_ipv4_vxla

Description Enable automatic packet-capture for L3 Redirect received non ipv4 VXLAN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_rx_encap_para

Description Enable automatic packet-capture for L3 Redirect decap Rx encap params error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_vlan_sanity_d

Description Enable automatic packet-capture for L3 Redirect Decap VLAN Sanity Drop during receipt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_error_drop

Description Enable automatic packet-capture for L3 Redirect encap error drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv4_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect ipv4 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv6_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_fragmentation_error

Description Enable automatic packet-capture for L3 redirect encap Fragmentation error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_inner_mac_zero_drop

Description Enable automatic packet-capture for L3 Redirect inner mac zero drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_invalid_dev_dir

Description Enable automatic packet-capture for L3 Redirect Invalid Device direction during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_rcvd_in_l2_mode_dro

Description Enable automatic packet-capture for Recevied l3 redirect packets in L2 mode Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_error

Description Enable automatic packet-capture for L3 Redirect Table error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_no_entry_foun

Description Enable automatic packet-capture for L3 redirect Table no redirect entry found error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_too_large_pkts_in_d

Description Enable automatic packet-capture for Received L3 Redirected fragmented packets too large

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_scaleout_not_active_drop

Description Enable automatic packet-capture for Scaleout Not Active Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_release_fail

Description Enable automatic packet-capture for Total SLB NAT release failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_reserve_fail

Description Enable automatic packet-capture for Total SLB NAT reserve failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_traffic_map_not_found_drop

Description Enable automatic packet-capture for Traffic MAP Not Found Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-inc

Specification	
Type	*object*

http-logging-invalid-format

Description Enable automatic packet-capture for HTTP Logging Invalid Format Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-dropped

Description Enable automatic packet-capture for Log Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

http-logging-invalid-format

Description Enable automatic packet-capture for HTTP Logging Invalid Format Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-dropped

Description Enable automatic packet-capture for Log Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-inc

Specification	
Type	*object*

kerberos-job-start-error

Description Enable automatic packet-capture for Total Kerberos Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-polling-control-error

Description Enable automatic packet-capture for Total Kerberos Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-pw-expiry

Description Enable automatic packet-capture for Total Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-request-dropped

Description Enable automatic packet-capture for Total Kerberos Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-error

Description Enable automatic packet-capture for Total Kerberos Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-timeout

Description Enable automatic packet-capture for Total Kerberos Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-timeout-error

Description Enable automatic packet-capture for Total Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-job-start-error

Description Enable automatic packet-capture for Total NTLM Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-polling-control-error

Description Enable automatic packet-capture for Total NTLM Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-prepare-req-failed

Description Enable automatic packet-capture for Total NTLM Prepare Request Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-proto-negotiation-failure

Description Enable automatic packet-capture for Total NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-request-dropped

Description Enable automatic packet-capture for Total NTLM Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-error

Description Enable automatic packet-capture for Total NTLM Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-timeout

Description Enable automatic packet-capture for Total NTLM Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-session-setup-failed

Description Enable automatic packet-capture for Total NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-timeout-error

Description Enable automatic packet-capture for Total NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

kerberos-job-start-error

Description Enable automatic packet-capture for Total Kerberos Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-polling-control-error

Description Enable automatic packet-capture for Total Kerberos Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-pw-expiry

Description Enable automatic packet-capture for Total Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-request-dropped

Description Enable automatic packet-capture for Total Kerberos Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-error

Description Enable automatic packet-capture for Total Kerberos Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-timeout

Description Enable automatic packet-capture for Total Kerberos Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-timeout-error

Description Enable automatic packet-capture for Total Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-job-start-error

Description Enable automatic packet-capture for Total NTLM Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-polling-control-error

Description Enable automatic packet-capture for Total NTLM Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-prepare-req-failed

Description Enable automatic packet-capture for Total NTLM Prepare Request Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-proto-negotiation-failure

Description Enable automatic packet-capture for Total NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-request-dropped

Description Enable automatic packet-capture for Total NTLM Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-error

Description Enable automatic packet-capture for Total NTLM Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-timeout

Description Enable automatic packet-capture for Total NTLM Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-session-setup-failed

Description Enable automatic packet-capture for Total NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-timeout-error

Description Enable automatic packet-capture for Total NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-inc

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Total Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Total Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for Total User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw-change-failure

Description Enable automatic packet-capture for Total password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Total Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-rate

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Total Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Total Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for Total User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw-change-failure

Description Enable automatic packet-capture for Total password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Total Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-inc

Specification	
Type	*object*

ddos_entries_too_many

Description Enable automatic packet-capture for Too many DDOS entries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_add_to_bgp_failure

Description Enable automatic packet-capture for DDoS Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for DDOS entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_packet_dropped

Description Enable automatic packet-capture for DDOS Packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-rate

Specification	
Type	*object*

ddos_entries_too_many

Description Enable automatic packet-capture for Too many DDOS entries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_add_to_bgp_failure

Description Enable automatic packet-capture for DDoS Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for DDOS entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_packet_dropped

Description Enable automatic packet-capture for DDOS Packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-inc

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total OCSP Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total OCSP Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total OCSP Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total OCSP Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total OCSP Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-request-dropped

Description Enable automatic packet-capture for Total OCSP Stapling Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-error

Description Enable automatic packet-capture for Total OCSP Stapling Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-timeout

Description Enable automatic packet-capture for Total OCSP Stapling Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total OCSP Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total OCSP Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total OCSP Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total OCSP Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total OCSP Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-request-dropped

Description Enable automatic packet-capture for Total OCSP Stapling Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-error

Description Enable automatic packet-capture for Total OCSP Stapling Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-timeout

Description Enable automatic packet-capture for Total OCSP Stapling Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-inc

Specification	
Type	*object*

log_type_gtp_out_of_order_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of Order IE V1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_type_gtp_out_of_state_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of State IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

log_type_gtp_out_of_order_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of Order IE V1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_type_gtp_out_of_state_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of State IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-inc

Specification	
Type	*object*

bad_ip_flg

Description Enable automatic packet-capture for Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_frg_offset

Description Enable automatic packet-capture for Bad IP Fragment Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_hdrlen

Description Enable automatic packet-capture for Bad IP Header Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_payload_len

Description Enable automatic packet-capture for Bad IP Payload Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_ttl

Description Enable automatic packet-capture for Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_tcp_urg_offset

Description Enable automatic packet-capture for TCP Bad Urgent Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csum

Description Enable automatic packet-capture for Bad IP Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_frg

Description Enable automatic packet-capture for Empty Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_mic_frg

Description Enable automatic packet-capture for Micro Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frg

Description Enable automatic packet-capture for IPv4 Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gre_pptp_err

Description Enable automatic packet-capture for GRE PPTP Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_err

Description Enable automatic packet-capture for IP-over-IP Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_msmtch

Description Enable automatic packet-capture for IP-over-IP Tunnel Mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land

Description Enable automatic packet-capture for Land Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_ip_payload

Description Enable automatic packet-capture for No IP Payload drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre_err

Description Enable automatic packet-capture for GRE Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

opt

Description Enable automatic packet-capture for IPv4 Options Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over_ip_payload

Description Enable automatic packet-capture for Oversize IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pod

Description Enable automatic packet-capture for ICMP Ping of Death Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_ip_hdr

Description Enable automatic packet-capture for Runt IP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_tcp_udp_hdr

Description Enable automatic packet-capture for Runt TCP/UDP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_csum

Description Enable automatic packet-capture for TCP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_iplen

Description Enable automatic packet-capture for TCP Bad IP Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_frg_hdr

Description Enable automatic packet-capture for TCP Fragmented Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_frg

Description Enable automatic packet-capture for TCP Null Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_scan

Description Enable automatic packet-capture for TCP Null Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_opt_err

Description Enable automatic packet-capture for TCP Option Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_sht_hdr

Description Enable automatic packet-capture for TCP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_fin

Description Enable automatic packet-capture for TCP Syn and Fin Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_frg

Description Enable automatic packet-capture for TCP Syn Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas

Description Enable automatic packet-capture for TCP XMAS Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas_scan

Description Enable automatic packet-capture for TCP XMAS Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_csum

Description Enable automatic packet-capture for UDP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_len

Description Enable automatic packet-capture for UDP Bad Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_kerb_frg

Description Enable automatic packet-capture for UDP Kerberos Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_port_lb

Description Enable automatic packet-capture for UDP Port Loopback Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_srt_hdr

Description Enable automatic packet-capture for UDP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan_err

Description Enable automatic packet-capture for VXLAN Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-rate

Specification	
Type	*object*

bad_ip_flg

Description Enable automatic packet-capture for Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_frg_offset

Description Enable automatic packet-capture for Bad IP Fragment Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_hdrlen

Description Enable automatic packet-capture for Bad IP Header Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_payload_len

Description Enable automatic packet-capture for Bad IP Payload Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_ttl

Description Enable automatic packet-capture for Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_tcp_urg_offset

Description Enable automatic packet-capture for TCP Bad Urgent Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csum

Description Enable automatic packet-capture for Bad IP Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

emp_frg

Description Enable automatic packet-capture for Empty Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_mic_frg

Description Enable automatic packet-capture for Micro Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frg

Description Enable automatic packet-capture for IPv4 Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gre_pptp_err

Description Enable automatic packet-capture for GRE PPTP Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_err

Description Enable automatic packet-capture for IP-over-IP Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_msmtch

Description Enable automatic packet-capture for IP-over-IP Tunnel Mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land

Description Enable automatic packet-capture for Land Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_ip_payload

Description Enable automatic packet-capture for No IP Payload drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre_err

Description Enable automatic packet-capture for GRE Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

opt

Description Enable automatic packet-capture for IPv4 Options Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over_ip_payload

Description Enable automatic packet-capture for Oversize IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pod

Description Enable automatic packet-capture for ICMP Ping of Death Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_ip_hdr

Description Enable automatic packet-capture for Runt IP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_tcp_udp_hdr

Description Enable automatic packet-capture for Runt TCP/UDP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_csum

Description Enable automatic packet-capture for TCP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_iplen

Description Enable automatic packet-capture for TCP Bad IP Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_frg_hdr

Description Enable automatic packet-capture for TCP Fragmented Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_frg

Description Enable automatic packet-capture for TCP Null Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_scan

Description Enable automatic packet-capture for TCP Null Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_opt_err

Description Enable automatic packet-capture for TCP Option Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_sht_hdr

Description Enable automatic packet-capture for TCP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_fin

Description Enable automatic packet-capture for TCP Syn and Fin Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_frg

Description Enable automatic packet-capture for TCP Syn Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas

Description Enable automatic packet-capture for TCP XMAS Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas_scan

Description Enable automatic packet-capture for TCP XMAS Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

udp_bad_csum

Description Enable automatic packet-capture for UDP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_len

Description Enable automatic packet-capture for UDP Bad Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_kerb_frg

Description Enable automatic packet-capture for UDP Kerberos Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_port_lb

Description Enable automatic packet-capture for UDP Port Loopback Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_srt_hdr

Description Enable automatic packet-capture for UDP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan_err

Description Enable automatic packet-capture for VXLAN Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-inc

Specification	
Type	*object*

header-insertion-failed

Description Enable automatic packet-capture for Buff Insertion Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-removal-failed

Description Enable automatic packet-capture for Buff Removal Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-memory-dropped

Description Enable automatic packet-capture for Out-of-Memory Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-dropped

Description Enable automatic packet-capture for Packet Out-of-Order Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

queue-len-exceed-dropped

Description Enable automatic packet-capture for Queue Length Exceed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-requst-dropped

Description Enable automatic packet-capture for Query Request Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-response-dropped

Description Enable automatic packet-capture for Query Response Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

header-insertion-failed

Description Enable automatic packet-capture for Buff Insertion Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-removal-failed

Description Enable automatic packet-capture for Buff Removal Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-memory-dropped

Description Enable automatic packet-capture for Out-of-Memory Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-dropped

Description Enable automatic packet-capture for Packet Out-of-Order Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

queue-len-exceed-dropped

Description Enable automatic packet-capture for Queue Length Exceed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-requst-dropped

Description Enable automatic packet-capture for Query Request Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-response-dropped

Description Enable automatic packet-capture for Query Response Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-inc

Specification	
Type	*object*

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-key

Description Enable automatic packet-capture for Radius Request has Invalid Key Field

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-table-full

Description Enable automatic packet-capture for RADIUS Request Dropped (Table Full)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-key

Description Enable automatic packet-capture for Radius Request has Invalid Key Field

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-table-full

Description Enable automatic packet-capture for RADIUS Request Dropped (Table Full)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other-error

Description Enable automatic packet-capture for Total Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other-error

Description Enable automatic packet-capture for Total Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for MGCP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for MGCP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for SIP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for SIP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-inc

Specification	
Type	*object*

packets-dropped

Description Enable automatic packet-capture for Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkts-dropped-during-clear

Description Enable automatic packet-capture for Packets dropped during clear bindings process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

packets-dropped

Description Enable automatic packet-capture for Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkts-dropped-during-clear

Description Enable automatic packet-capture for Packets dropped during clear bindings process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-inc

Specification	
Type	*object*

bad-ip-chksum-drop

Description Enable automatic packet-capture for Total Bad IP csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-flags-drop

Description Enable automatic packet-capture for Total Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-frag-offset

Description Enable automatic packet-capture for Total Bad IP frag off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-hdr-len

Description Enable automatic packet-capture for Total Bad IP hdr len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-payload-len

Description Enable automatic packet-capture for Total Bad IP PL len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-ttl-drop

Description Enable automatic packet-capture for Total Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

empty-frag-drop

Description Enable automatic packet-capture for Total Empty frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fcs-drop

Description Enable automatic packet-capture for Total FCS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hrx-drop

Description Enable automatic packet-capture for Total HRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-pod-drop

Description Enable automatic packet-capture for Total ICMP POD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-frag

Description Enable automatic packet-capture for Total IP frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-opt-drop

Description Enable automatic packet-capture for Total IPv4 opt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-drop

Description Enable automatic packet-capture for Total LAND Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mic-frag-drop

Description Enable automatic packet-capture for Total Micro frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mrx-drop

Description Enable automatic packet-capture for Total MRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ip-payload-drop

Description Enable automatic packet-capture for Total No IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oversize-ip-payload

Description Enable automatic packet-capture for Total Oversize IP PL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qdr-drop

Description Enable automatic packet-capture for Total QDR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-ip-hdr

Description Enable automatic packet-capture for Total Runt IP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-tcpudp-hdr

Description Enable automatic packet-capture for Total Runt TCPUDP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

siz-drop

Description Enable automatic packet-capture for Total Size Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-chksum

Description Enable automatic packet-capture for Total TCP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-ip-len

Description Enable automatic packet-capture for Total TCP Bad IP Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-urg-offet

Description Enable automatic packet-capture for Total TCP bad urg off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-fin-sin

Description Enable automatic packet-capture for Total TCP SYN&FIN Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-frag-hdr

Description Enable automatic packet-capture for Total TCP frag header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-flags

Description Enable automatic packet-capture for Total TCP null flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-scan

Description Enable automatic packet-capture for Total TCP null scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-short-hdr

Description Enable automatic packet-capture for Total TCP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description Enable automatic packet-capture for Total TCP SYN frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-flags

Description Enable automatic packet-capture for Total TCP XMAS FLAGS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-scan

Description Enable automatic packet-capture for Total TCP XMAS scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tun-mismatch

Description Enable automatic packet-capture for Total Tun mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-chksum

Description Enable automatic packet-capture for Total UDP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-ip-len

Description Enable automatic packet-capture for Total UDP bad leng Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-kb-frags

Description Enable automatic packet-capture for Total UDP KB frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port-lb

Description Enable automatic packet-capture for Total UDP port LB Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-short-hdr

Description Enable automatic packet-capture for Total UDP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-rate

Specification	
Type	*object*

bad-ip-chksum-drop

Description Enable automatic packet-capture for Total Bad IP csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-flags-drop

Description Enable automatic packet-capture for Total Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-frag-offset

Description Enable automatic packet-capture for Total Bad IP frag off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-hdr-len

Description Enable automatic packet-capture for Total Bad IP hdr len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-payload-len

Description Enable automatic packet-capture for Total Bad IP PL len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-ttl-drop

Description Enable automatic packet-capture for Total Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

empty-frag-drop

Description Enable automatic packet-capture for Total Empty frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fcs-drop

Description Enable automatic packet-capture for Total FCS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hrx-drop

Description Enable automatic packet-capture for Total HRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-pod-drop

Description Enable automatic packet-capture for Total ICMP POD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-frag

Description Enable automatic packet-capture for Total IP frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-opt-drop

Description Enable automatic packet-capture for Total IPv4 opt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-drop

Description Enable automatic packet-capture for Total LAND Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mic-frag-drop

Description Enable automatic packet-capture for Total Micro frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mrx-drop

Description Enable automatic packet-capture for Total MRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ip-payload-drop

Description Enable automatic packet-capture for Total No IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oversize-ip-payload

Description Enable automatic packet-capture for Total Oversize IP PL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qdr-drop

Description Enable automatic packet-capture for Total QDR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-ip-hdr

Description Enable automatic packet-capture for Total Runt IP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-tcpudp-hdr

Description Enable automatic packet-capture for Total Runt TCPUDP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

siz-drop

Description Enable automatic packet-capture for Total Size Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-chksum

Description Enable automatic packet-capture for Total TCP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-ip-len

Description Enable automatic packet-capture for Total TCP Bad IP Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-urg-offet

Description Enable automatic packet-capture for Total TCP bad urg off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-fin-sin

Description Enable automatic packet-capture for Total TCP SYN&FIN Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-frag-hdr

Description Enable automatic packet-capture for Total TCP frag header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-flags

Description Enable automatic packet-capture for Total TCP null flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-scan

Description Enable automatic packet-capture for Total TCP null scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-short-hdr

Description Enable automatic packet-capture for Total TCP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description Enable automatic packet-capture for Total TCP SYN frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-flags

Description Enable automatic packet-capture for Total TCP XMAS FLAGS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-scan

Description Enable automatic packet-capture for Total TCP XMAS scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

tun-mismatch

Description Enable automatic packet-capture for Total Tun mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-chksum

Description Enable automatic packet-capture for Total UDP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-ip-len

Description Enable automatic packet-capture for Total UDP bad leng Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-kb-frags

Description Enable automatic packet-capture for Total UDP KB frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port-lb

Description Enable automatic packet-capture for Total UDP port LB Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-short-hdr

Description Enable automatic packet-capture for Total UDP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-inc

Specification	
Type	*object*

aflex-authz-fail

Description Enable automatic packet-capture for Total Authorization failure number in aFleX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authn-failure

Description Enable automatic packet-capture for Total Authentication failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authz-failure

Description Enable automatic packet-capture for Total Authorization failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect-failed

Description Enable automatic packet-capture for Total AAM Connect Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-timer-failed

Description Enable automatic packet-capture for Total AAM Timer Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-resolve-failed

Description Enable automatic packet-capture for Total AAM DNS resolve failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-socket-option-failed

Description Enable automatic packet-capture for Total AAM Get Socket Option Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misses

Description Enable automatic packet-capture for Total Authentication Request Missed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-socket-failed

Description Enable automatic packet-capture for Total AAM Open Socket Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-rate

Specification	
Type	*object*

aflex-authz-fail

Description Enable automatic packet-capture for Total Authorization failure number in aFleX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authn-failure

Description Enable automatic packet-capture for Total Authentication failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authz-failure

Description Enable automatic packet-capture for Total Authorization failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect-failed

Description Enable automatic packet-capture for Total AAM Connect Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-timer-failed

Description Enable automatic packet-capture for Total AAM Timer Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-resolve-failed

Description Enable automatic packet-capture for Total AAM DNS resolve failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

get-socket-option-failed

Description Enable automatic packet-capture for Total AAM Get Socket Option Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misses

Description Enable automatic packet-capture for Total Authentication Request Missed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-socket-failed

Description Enable automatic packet-capture for Total AAM Open Socket Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-inc

Specification	
Type	*object*

transport-alloc-failure

Description Enable automatic packet-capture for Transport Alloc Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

transport-alloc-failure

Description Enable automatic packet-capture for Transport Alloc Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-switch

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-inc

Specification	
Type	*object*

badpkt_drop

Description Enable automatic packet-capture for Bad Pkt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incorrect_len_drop

Description Enable automatic packet-capture for Incorrect Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_rx_arp_pkt

Description Enable automatic packet-capture for Invalid ARP PKT Rcvd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_sender_mac_arp_drop

Description Enable automatic packet-capture for ARP PKT dropped due to invalid sender MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_defrag_invalid_len

Description Enable automatic packet-capture for IP Invalid Length Frag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_oversize

Description Enable automatic packet-capture for IP Fragment oversize

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_too_many

Description Enable automatic packet-capture for IP Fragment too many

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_ipip_dropped

Description Enable automatic packet-capture for IP Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overlap

Description Enable automatic packet-capture for IP Fragment Overlap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overload

Description Enable automatic packet-capture for IP Frag Overload Drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_reasmfails

Description Enable automatic packet-capture for IP Fragment Reasm Fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_tcp_dropped

Description Enable automatic packet-capture for IP Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_timeout

Description Enable automatic packet-capture for IP Fragment Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_udp_dropped

Description Enable automatic packet-capture for IP Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4_frag_6rd_drop

Description Enable automatic packet-capture for IPv4 Frag 6RD Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_gre_dropped

Description Enable automatic packet-capture for IPv6 Frag gre Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_ipip_dropped

Description Enable automatic packet-capture for IPv6 Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_tcp_dropped

Description Enable automatic packet-capture for IPv6 Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_udp_dropped

Description Enable automatic packet-capture for IPv6 Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prot_down_drop

Description Enable automatic packet-capture for Prot Down Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl_exceeded_drop

Description Enable automatic packet-capture for TTL Exceeded Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unknown_prot_drop

Description Enable automatic packet-capture for Unknown Prot Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-rate

Specification	
Type	*object*

badpkt_drop

Description Enable automatic packet-capture for Bad Pkt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

incorrect_len_drop

Description Enable automatic packet-capture for Incorrect Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_rx_arp_pkt

Description Enable automatic packet-capture for Invalid ARP PKT Rcvd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_sender_mac_arp_drop

Description Enable automatic packet-capture for ARP PKT dropped due to invalid sender MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_defrag_invalid_len

Description Enable automatic packet-capture for IP Invalid Length Frag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_oversize

Description Enable automatic packet-capture for IP Fragment oversize

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_too_many

Description Enable automatic packet-capture for IP Fragment too many

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_ipip_dropped

Description Enable automatic packet-capture for IP Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overlap

Description Enable automatic packet-capture for IP Fragment Overlap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overload

Description Enable automatic packet-capture for IP Frag Overload Drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_reasmfails

Description Enable automatic packet-capture for IP Fragment Reasm Fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_tcp_dropped

Description Enable automatic packet-capture for IP Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_timeout

Description Enable automatic packet-capture for IP Fragment Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_udp_dropped

Description Enable automatic packet-capture for IP Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4_frag_6rd_drop

Description Enable automatic packet-capture for IPv4 Frag 6RD Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_gre_dropped

Description Enable automatic packet-capture for IPv6 Frag gre Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_ipip_dropped

Description Enable automatic packet-capture for IPv6 Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_tcp_dropped

Description Enable automatic packet-capture for IPv6 Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_udp_dropped

Description Enable automatic packet-capture for IPv6 Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prot_down_drop

Description Enable automatic packet-capture for Prot Down Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

ttl_exceeded_drop

Description Enable automatic packet-capture for TTL Exceeded Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unknown_prot_drop

Description Enable automatic packet-capture for Unknown Prot Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-inc

Specification	
Type	*object*

adc_port_allocation_failed

Description Enable automatic packet-capture for ADC Port Allocation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_failure

Description Enable automatic packet-capture for LSN Fullcone Extension Memory Allocate Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_init_faulure

Description Enable automatic packet-capture for LSN Fullcone Extension Initialization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_alloc_single_port_failure

Description Enable automatic packet-capture for H323 ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_filtered

Description Enable automatic packet-capture for Endpoint-Dependent Filtering Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_port_pair_alloc_from_quota_par

Description Enable automatic packet-capture for MGCP ALG Port Pair Allocated From Quota Partition Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new_user_resource_unavailable

Description Enable automatic packet-capture for New User NAT Resource Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_class_list_match

Description Enable automatic packet-capture for No Class-List Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_inc_overflow

Description Enable automatic packet-capture for Port Overloading Inc Overflow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_out_of_memory

Description Enable automatic packet-capture for Port Overloading Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_rtp_rtcp_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc RTP/RTCP NAT Ports Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_single_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_quota_inc_failure

Description Enable automatic packet-capture for SIP ALG User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby_class_list_drop

Description Enable automatic packet-capture for HA Standby Class-List drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-rate

Specification	
Type	*object*

adc_port_allocation_failed

Description Enable automatic packet-capture for ADC Port Allocation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_failure

Description Enable automatic packet-capture for LSN Fullcone Extension Memory Allocate Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_init_faulure

Description Enable automatic packet-capture for LSN Fullcone Extension Initialization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_alloc_single_port_failure

Description Enable automatic packet-capture for H323 ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_filtered

Description Enable automatic packet-capture for Endpoint-Dependent Filtering Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_port_pair_alloc_from_quota_par

Description Enable automatic packet-capture for MGCP ALG Port Pair Allocated From Quota Partition Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new_user_resource_unavailable

Description Enable automatic packet-capture for New User NAT Resource Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_class_list_match

Description Enable automatic packet-capture for No Class-List Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_inc_overflow

Description Enable automatic packet-capture for Port Overloading Inc Overflow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_out_of_memory

Description Enable automatic packet-capture for Port Overloading Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_rtp_rtcp_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc RTP/RTCP NAT Ports Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_single_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_quota_inc_failure

Description Enable automatic packet-capture for SIP ALG User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby_class_list_drop

Description Enable automatic packet-capture for HA Standby Class-List drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-inc

Specification	
Type	*object*

auth_failure

Description Enable automatic packet-capture for Authentication Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-rate

Specification	
Type	*object*

auth_failure

Description Enable automatic packet-capture for Authentication Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-inc

Specification	
Type	*object*

conn-tcp-dropped

Description Enable automatic packet-capture for TCP Connection Lost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-rate

Specification	
Type	*object*

conn-tcp-dropped

Description Enable automatic packet-capture for TCP Connection Lost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-generic

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-inc

Specification	
Type	*object*

no_route

Description Enable automatic packet-capture for Number of no routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Number of snat failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Number of server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

no_route

Description Enable automatic packet-capture for Number of no routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Number of snat failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Number of server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-inc

Specification	
Type	*object*

auth_fail

Description Enable automatic packet-capture for Auth Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-rate

Specification	
Type	*object*

auth_fail

Description Enable automatic packet-capture for Auth Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-l4

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-inc

Specification	
Type	*object*

bw_rate_limit_exceed

Description Enable automatic packet-capture for BW-Limit Exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent_conn_exceed

Description Enable automatic packet-capture for L3V Conn Limit Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_drop

Description Enable automatic packet-capture for Conn rate limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_reset

Description Enable automatic packet-capture for Conn rate limit resets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connlimit_drop

Description Enable automatic packet-capture for Conn Limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_policy_drop

Description Enable automatic packet-capture for DNS Policy Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_cps_exceed

Description Enable automatic packet-capture for L4 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7_cps_exceed

Description Enable automatic packet-capture for L7 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_cps_exceed

Description Enable automatic packet-capture for NAT CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_resourse_drop

Description Enable automatic packet-capture for No resource drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_vport_drop

Description Enable automatic packet-capture for vport not matching drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

novport_drop

Description Enable automatic packet-capture for NAT no session drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_cps_exceed

Description Enable automatic packet-capture for SSL CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_tpt_exceed

Description Enable automatic packet-capture for SSL TPT exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrselfail

Description Enable automatic packet-capture for Server sel failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiescheckfailed

Description Enable automatic packet-capture for TCP SYN cookie failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiessentfailed

Description Enable automatic packet-capture for TCP SYN cookie snt fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-rate

Specification	
Type	*object*

bw_rate_limit_exceed

Description Enable automatic packet-capture for BW-Limit Exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent_conn_exceed

Description Enable automatic packet-capture for L3V Conn Limit Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_drop

Description Enable automatic packet-capture for Conn rate limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_reset

Description Enable automatic packet-capture for Conn rate limit resets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connlimit_drop

Description Enable automatic packet-capture for Conn Limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_policy_drop

Description Enable automatic packet-capture for DNS Policy Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

l4_cps_exceed

Description Enable automatic packet-capture for L4 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7_cps_exceed

Description Enable automatic packet-capture for L7 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_cps_exceed

Description Enable automatic packet-capture for NAT CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_resourse_drop

Description Enable automatic packet-capture for No resource drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_vport_drop

Description Enable automatic packet-capture for vport not matching drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

novport_drop

Description Enable automatic packet-capture for NAT no session drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_cps_exceed

Description Enable automatic packet-capture for SSL CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_tpt_exceed

Description Enable automatic packet-capture for SSL TPT exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrselfail

Description Enable automatic packet-capture for Server sel failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiescheckfailed

Description Enable automatic packet-capture for TCP SYN cookie failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiessentfailed

Description Enable automatic packet-capture for TCP SYN cookie snt fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-inc

Specification	
Type	*object*

get_all_headers_fail

Description Enable automatic packet-capture for Get all headers fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_resonse_line_fail

Description Enable automatic packet-capture for Ins response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_extend_fail

Description Enable automatic packet-capture for Line extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_table_extend_fail

Description Enable automatic packet-capture for Table extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_too_long

Description Enable automatic packet-capture for Line too long

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

read_request_line_fail

Description Enable automatic packet-capture for Read request line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv_server_unknow_reply_code

Description Enable automatic packet-capture for Recv server unknown-code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove_resonse_line_fail

Description Enable automatic packet-capture for Del response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send_client_service_not_ready

Description Enable automatic packet-capture for Sent client serv-not-rdy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

too_many_headers

Description Enable automatic packet-capture for Too many headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

get_all_headers_fail

Description Enable automatic packet-capture for Get all headers fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_resonse_line_fail

Description Enable automatic packet-capture for Ins response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_extend_fail

Description Enable automatic packet-capture for Line extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_table_extend_fail

Description Enable automatic packet-capture for Table extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_too_long

Description Enable automatic packet-capture for Line too long

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

read_request_line_fail

Description Enable automatic packet-capture for Read request line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv_server_unknow_reply_code

Description Enable automatic packet-capture for Recv server unknown-code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove_resonse_line_fail

Description Enable automatic packet-capture for Del response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send_client_service_not_ready

Description Enable automatic packet-capture for Sent client serv-not-rdy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

too_many_headers

Description Enable automatic packet-capture for Too many headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-inc

Specification	
Type	*object*

enqueue-error

Description Enable automatic packet-capture for Total local-log enqueue error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enqueue-full

Description Enable automatic packet-capture for Total local-log queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

enqueue-error

Description Enable automatic packet-capture for Total local-log enqueue error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enqueue-full

Description Enable automatic packet-capture for Total local-log queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-inc

Specification	
Type	*object*

lockout_drop

Description Enable automatic packet-capture for Lockout drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out_of_sessions

Description Enable automatic packet-capture for Out of sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold_exceed

Description Enable automatic packet-capture for Threshold exceeded count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

lockout_drop

Description Enable automatic packet-capture for Lockout drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out_of_sessions

Description Enable automatic packet-capture for Out of sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

threshold_exceed

Description Enable automatic packet-capture for Threshold exceeded count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-inc

Specification	
Type	*object*

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-inc

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attribute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-rate

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attribute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-inc

Specification	
Type	*object*

fullcone_creation_failure

Description Enable automatic packet-capture for Full-Cone Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fullcone_creation_failure

Description Enable automatic packet-capture for Full-Cone Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-inc

Specification	
Type	*object*

ctx_alloc_fail

Description Enable automatic packet-capture for Context alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http_conn_alloc_fail

Description Enable automatic packet-capture for HTTP connection allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request_header_alloc_fail

Description Enable automatic packet-capture for Request/Header allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stream_alloc_fail

Description Enable automatic packet-capture for Stream alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-rate

Specification	
Type	*object*

ctx_alloc_fail

Description Enable automatic packet-capture for Context alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

http_conn_alloc_fail

Description Enable automatic packet-capture for HTTP connection allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request_header_alloc_fail

Description Enable automatic packet-capture for Request/Header allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stream_alloc_fail

Description Enable automatic packet-capture for Stream alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-inc

Specification	
Type	*object*

max_outstanding_request_count

Description Enable automatic packet-capture for Max queued request count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max_outstanding_submit_count

Description Enable automatic packet-capture for Max queued submit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ring_full_count

Description Enable automatic packet-capture for Compression queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

max_outstanding_request_count

Description Enable automatic packet-capture for Max queued request count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max_outstanding_submit_count

Description Enable automatic packet-capture for Max queued submit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ring_full_count

Description Enable automatic packet-capture for Compression queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-inc

Specification	
Type	*object*

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-inc

Specification	
Type	*object*

err-pkt-drop

Description Enable automatic packet-capture for Total error packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-ring-drop

Description Enable automatic packet-capture for Total IO core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-rx-que-drop

Description Enable automatic packet-capture for Total IO core Rx queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-tx-que-drop

Description Enable automatic packet-capture for Total IO core TX queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-drop

Description Enable automatic packet-capture for Total packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-lnk-down-drop

Description Enable automatic packet-capture for Total packets link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-align-err

Description Enable automatic packet-capture for Total RX packet align error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-crc-err

Description Enable automatic packet-capture for Total RX packet CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-csum-offload-err

Description Enable automatic packet-capture for Total Rx packet check-sum offload error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-err

Description Enable automatic packet-capture for Total RX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-frame-err

Description Enable automatic packet-capture for Total RX packet frame error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-len-err

Description Enable automatic packet-capture for Total RX packet length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-long-len-err

Description Enable automatic packet-capture for Total RX packet long length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-miss-err

Description Enable automatic packet-capture for Total RX packet miss error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-no-buff-err

Description Enable automatic packet-capture for Total RX packet no buffer error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-over-err

Description Enable automatic packet-capture for Total RX packet over error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-short-len-err

Description Enable automatic packet-capture for Total RX packet short length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-abort-err

Description Enable automatic packet-capture for Total TX packet abort error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-carrier-err

Description Enable automatic packet-capture for Total TX packert carrier error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-drop

Description Enable automatic packet-capture for Total TX packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-err

Description Enable automatic packet-capture for Total TX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-fifo-err

Description Enable automatic packet-capture for Total TX packet fifo error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-hbeat-err

Description Enable automatic packet-capture for Total TX packet HBEAT error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-windows-err

Description Enable automatic packet-capture for Total TX windows error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

w-link-down-drop

Description Enable automatic packet-capture for Total worker core link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-ring-drop

Description Enable automatic packet-capture for Total worker core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-tx-que-drop

Description Enable automatic packet-capture for Total worker core queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

err-pkt-drop

Description Enable automatic packet-capture for Total error packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-ring-drop

Description Enable automatic packet-capture for Total IO core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-rx-que-drop

Description Enable automatic packet-capture for Total IO core Rx queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-tx-que-drop

Description Enable automatic packet-capture for Total IO core TX queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-drop

Description Enable automatic packet-capture for Total packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-lnk-down-drop

Description Enable automatic packet-capture for Total packets link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-align-err

Description Enable automatic packet-capture for Total RX packet align error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-crc-err

Description Enable automatic packet-capture for Total RX packet CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-csum-offload-err

Description Enable automatic packet-capture for Total Rx packet check-sum offload error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-err

Description Enable automatic packet-capture for Total RX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-frame-err

Description Enable automatic packet-capture for Total RX packet frame error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-len-err

Description Enable automatic packet-capture for Total RX packet length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-long-len-err

Description Enable automatic packet-capture for Total RX packet long length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-miss-err

Description Enable automatic packet-capture for Total RX packet miss error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-no-buff-err

Description Enable automatic packet-capture for Total RX packet no buffer error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-over-err

Description Enable automatic packet-capture for Total RX packet over error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-short-len-err

Description Enable automatic packet-capture for Total RX packet short length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

tx-abort-err

Description Enable automatic packet-capture for Total TX packet abort error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-carrier-err

Description Enable automatic packet-capture for Total TX packert carrier error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-drop

Description Enable automatic packet-capture for Total TX packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-err

Description Enable automatic packet-capture for Total TX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-fifo-err

Description Enable automatic packet-capture for Total TX packet fifo error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-hbeat-err

Description Enable automatic packet-capture for Total TX packet HBEAT error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-windows-err

Description Enable automatic packet-capture for Total TX windows error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

w-link-down-drop

Description Enable automatic packet-capture for Total worker core link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-ring-drop

Description Enable automatic packet-capture for Total worker core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-tx-que-drop

Description Enable automatic packet-capture for Total worker core queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-inc

Specification	
Type	*object*

ip_node_alloc_failure

Description Enable automatic packet-capture for Node alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_other_block_alloc_failure

Description Enable automatic packet-capture for Other block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_port_block_alloc_failure

Description Enable automatic packet-capture for Port block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_bgp_failure

Description Enable automatic packet-capture for L3 Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_hw_failure

Description Enable automatic packet-capture for L3 entry HW add failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_drop_max_hw_exceeded

Description Enable automatic packet-capture for L3 Entry Drop due to HW Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop

Description Enable automatic packet-capture for L3 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop_hw

Description Enable automatic packet-capture for L3 HW entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for L3 entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_list_alloc_failure

Description Enable automatic packet-capture for L4 Entry list alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop

Description Enable automatic packet-capture for L4 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop_hw

Description Enable automatic packet-capture for L4 HW Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn_cookie_verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ip_node_alloc_failure

Description Enable automatic packet-capture for Node alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_other_block_alloc_failure

Description Enable automatic packet-capture for Other block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_port_block_alloc_failure

Description Enable automatic packet-capture for Port block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_bgp_failure

Description Enable automatic packet-capture for L3 Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_hw_failure

Description Enable automatic packet-capture for L3 entry HW add failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_drop_max_hw_exceeded

Description Enable automatic packet-capture for L3 Entry Drop due to HW Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop

Description Enable automatic packet-capture for L3 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop_hw

Description Enable automatic packet-capture for L3 HW entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for L3 entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_list_alloc_failure

Description Enable automatic packet-capture for L4 Entry list alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop

Description Enable automatic packet-capture for L4 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop_hw

Description Enable automatic packet-capture for L4 HW Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn_cookie_verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-inc

Specification	
Type	*object*

cl_est_err

Description Enable automatic packet-capture for Client EST state erro

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cl_request_err

Description Enable automatic packet-capture for Client RQ state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_send_fail

Description Enable automatic packet-capture for data send fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_server_conn_fail

Description Enable automatic packet-capture for data svr conn fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ser_connecting_err

Description Enable automatic packet-capture for Serv CTNG state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_response_err

Description Enable automatic packet-capture for Serv RESP state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-rate

Specification	
Type	*object*

cl_est_err

Description Enable automatic packet-capture for Client EST state erro

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cl_request_err

Description Enable automatic packet-capture for Client RQ state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_send_fail

Description Enable automatic packet-capture for data send fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_server_conn_fail

Description Enable automatic packet-capture for data svr conn fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ser_connecting_err

Description Enable automatic packet-capture for Serv CTNG state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_response_err

Description Enable automatic packet-capture for Serv RESP state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-inc

Specification	
Type	*object*

crl_cache_status_revoked

Description Enable automatic packet-capture for CRL cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_connection_error

Description Enable automatic packet-capture for CRL connection errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_other_error

Description Enable automatic packet-capture for CRL other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_revoked

Description Enable automatic packet-capture for CRL response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_unknown

Description Enable automatic packet-capture for CRL response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_https

Description Enable automatic packet-capture for CRL URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_not_found

Description Enable automatic packet-capture for CRL URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_unsupported

Description Enable automatic packet-capture for CRL URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_miss

Description Enable automatic packet-capture for OCSP cache miss

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_status_revoked

Description Enable automatic packet-capture for OCSP cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_revoked

Description Enable automatic packet-capture for Certificate chain status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_unknown

Description Enable automatic packet-capture for Certificate chain status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_connection_error

Description Enable automatic packet-capture for OCSP connection error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_other_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_no_nonce

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_nonce_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_revoked

Description Enable automatic packet-capture for OCSP response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_unknown

Description Enable automatic packet-capture for OCSP response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_https

Description Enable automatic packet-capture for Log OCSP URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_not_found

Description Enable automatic packet-capture for OCSP URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_unsupported

Description Enable automatic packet-capture for OCSP URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-rate

Specification	
Type	*object*

crl_cache_status_revoked

Description Enable automatic packet-capture for CRL cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_connection_error

Description Enable automatic packet-capture for CRL connection errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_other_error

Description Enable automatic packet-capture for CRL other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_revoked

Description Enable automatic packet-capture for CRL response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_unknown

Description Enable automatic packet-capture for CRL response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_https

Description Enable automatic packet-capture for CRL URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_not_found

Description Enable automatic packet-capture for CRL URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_unsupported

Description Enable automatic packet-capture for CRL URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ocsp_cache_miss

Description Enable automatic packet-capture for OCSP cache miss

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_status_revoked

Description Enable automatic packet-capture for OCSP cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_revoked

Description Enable automatic packet-capture for Certificate chain status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_unknown

Description Enable automatic packet-capture for Certificate chain status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_connection_error

Description Enable automatic packet-capture for OCSP connection error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_other_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_no_nonce

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_nonce_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_revoked

Description Enable automatic packet-capture for OCSP response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_unknown

Description Enable automatic packet-capture for OCSP response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_https

Description Enable automatic packet-capture for Log OCSP URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_not_found

Description Enable automatic packet-capture for OCSP URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_unsupported

Description Enable automatic packet-capture for OCSP URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-inc

Specification	
Type	*object*

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-ignored

Description Enable automatic packet-capture for RADIUS Request Ignored

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-ignored

Description Enable automatic packet-capture for RADIUS Request Ignored

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-inc

Specification	
Type	*object*

err_entry_create_failed

Description Enable automatic packet-capture for Entry Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_create_oom

Description Enable automatic packet-capture for Entry Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_insert_failed

Description Enable automatic packet-capture for Entry Insert Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_l4_sess_alloc

Description Enable automatic packet-capture for Error allocating L4 session for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_probe_tcp_conn_send

Description Enable automatic packet-capture for Error in initiating TCP connection for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_alloc

Description Enable automatic packet-capture for Error creating Smart NAT Instance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_port_alloc

Description Enable automatic packet-capture for Error obtaining Smart NAT source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_failed

Description Enable automatic packet-capture for Probe Template Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_oom

Description Enable automatic packet-capture for Probe Template Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

err_entry_create_failed

Description Enable automatic packet-capture for Entry Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_create_oom

Description Enable automatic packet-capture for Entry Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_insert_failed

Description Enable automatic packet-capture for Entry Insert Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_l4_sess_alloc

Description Enable automatic packet-capture for Error allocating L4 session for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_probe_tcp_conn_send

Description Enable automatic packet-capture for Error in initiating TCP connection for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_alloc

Description Enable automatic packet-capture for Error creating Smart NAT Instance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_port_alloc

Description Enable automatic packet-capture for Error obtaining Smart NAT source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_failed

Description Enable automatic packet-capture for Probe Template Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_oom

Description Enable automatic packet-capture for Probe Template Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-inc

Specification	
Type	*object*

icmp-host-unreachable-sent

Description Enable automatic packet-capture for ICMP Host Unreachable Sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-reply-no-session-drop

Description Enable automatic packet-capture for ICMP Reply No Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-dst-invalid-unicast

Description Enable automatic packet-capture for IPv4 Destination Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-src-invalid-unicast

Description Enable automatic packet-capture for IPv4 Source Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip-truncated

Description Enable automatic packet-capture for IPIP Truncated Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Session Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate_drop_reset_unkn

Description Enable automatic packet-capture for Rate Drop reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

icmp-host-unreachable-sent

Description Enable automatic packet-capture for ICMP Host Unreachable Sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-reply-no-session-drop

Description Enable automatic packet-capture for ICMP Reply No Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-dst-invalid-unicast

Description Enable automatic packet-capture for IPv4 Destination Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-src-invalid-unicast

Description Enable automatic packet-capture for IPv4 Source Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip-truncated

Description Enable automatic packet-capture for IPIP Truncated Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Session Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate_drop_reset_unkn

Description Enable automatic packet-capture for Rate Drop reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-inc

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for Total SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-rate

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for Total SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-inc

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_pool_unusable

Description Enable automatic packet-capture for NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_unusable_drop

Description Enable automatic packet-capture for User-Quota Unusable Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-rate

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_pool_unusable

Description Enable automatic packet-capture for NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_unusable_drop

Description Enable automatic packet-capture for User-Quota Unusable Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-inc

Specification	
Type	*object*

entry_create_failures

Description Enable automatic packet-capture for Entry Create failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rv_failure

Description Enable automatic packet-capture for Revalidation Failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

entry_create_failures

Description Enable automatic packet-capture for Entry Create failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rv_failure

Description Enable automatic packet-capture for Revalidation Failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-inc

Specification	
Type	*object*

drop

Description Enable automatic packet-capture for Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-err

Description Enable automatic packet-capture for Response Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-rate

Specification	
Type	*object*

drop

Description Enable automatic packet-capture for Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

resp-err

Description Enable automatic packet-capture for Response Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-http2

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-inc

Specification	
Type	*object*

alloc_fail_total

Description Enable automatic packet-capture for Alloc Fail - Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff_alloc_error

Description Enable automatic packet-capture for Buff alloc error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_control_frame

Description Enable automatic packet-capture for Cant allocate control frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_goaway_frame

Description Enable automatic packet-capture for Cant allocate GOAWAY frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_ping_frame

Description Enable automatic packet-capture for Cant allocate PING frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_rst_frame

Description Enable automatic packet-capture for Cant allocate RST_STREAM frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_settings_frame

Description Enable automatic packet-capture for Cant allocate SETTINGS frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_stream

Description Enable automatic packet-capture for Cant allocate stream

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_window_frame

Description Enable automatic packet-capture for Cant allocate WINDOW_UPDATE frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_queue_alloc_error

Description Enable automatic packet-capture for Data Queue Alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deflate_alloc_fail

Description Enable automatic packet-capture for deflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inflate_alloc_fail

Description Enable automatic packet-capture for inflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy_alloc_error

Description Enable automatic packet-capture for HTTP2 Proxy alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-rate

Specification	
Type	*object*

alloc_fail_total

Description Enable automatic packet-capture for Alloc Fail - Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff_alloc_error

Description Enable automatic packet-capture for Buff alloc error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_control_frame

Description Enable automatic packet-capture for Cant allocate control frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_goaway_frame

Description Enable automatic packet-capture for Cant allocate GOAWAY frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_ping_frame

Description Enable automatic packet-capture for Cant allocate PING frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_rst_frame

Description Enable automatic packet-capture for Cant allocate RST_STREAM frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_settings_frame

Description Enable automatic packet-capture for Cant allocate SETTINGS frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_stream

Description Enable automatic packet-capture for Cant allocate stream

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_window_frame

Description Enable automatic packet-capture for Cant allocate WINDOW_UPDATE frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_queue_alloc_error

Description Enable automatic packet-capture for Data Queue Alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deflate_alloc_fail

Description Enable automatic packet-capture for deflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inflate_alloc_fail

Description Enable automatic packet-capture for inflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy_alloc_error

Description Enable automatic packet-capture for HTTP2 Proxy alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_global-templates_template-list_trigger-sys-obj-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture_capture-config-list

Specification	
Type	*list*
Block object keys	

concurrent-captures

Description Enable and specify maximum concurrent 3 tuple filter based captures in seperate pcaps.

Type: number

Range: 1-5000

Mutual Exclusion: concurrent-captures and concurrent-conn-tag are mutually exclusive

concurrent-captures-age

Description Specify the time in minutes upto which a 3 tuple filter based capture will be kept active(default 1)

Type: number

Range: 1-10

Default: 1

concurrent-conn-per-capture

Description Specify maximum number of concurrent connnections(5 tuple matches) to be captured within in a 3 tuple based capture. (default 1

Type: number

Range: 1-1000

Default: 100

concurrent-conn-tag

Description Enable and specify maximum concurrent connnections(only 5 tuple based) to be captured in common pcaps.

Type: number

Range: 1-1000

Mutual Exclusion: concurrent-conn-tag and concurrent-captures are mutually exclusive

create-pcap-files-now

Description Operational command to force create temporary pcapng files before completion (for global/non 3 tuple based captures)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable packet capture (default enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-auto-merge

Description Disable auto merging per CPU pcapng files(default enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-continuous-global-capture

Description Enable continuous capture of packets for the global capture(non 3 tuple based capture) overriding size limits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-count

Description Specify the number of continuous pcapng files that can be created for capturing packets (default 10)

Type: number

Range: 1-50

Default: 10

file-size

Description Specify pcapng filesize in MB, Will be distributed per CPU (default 1)

Type: number

Range: 1-300

Default: 1

keep-pcap-files-after-merge

Description Keep original per CPU pcapng files after auto merging pcapng files(default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify the name of the capture-config

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

number-of-packets-per-capture

Description Specify Maximum number of packets per global or dynamic capture (default 0 unlimited)

Type: number

Range: 0-1000

Default: 0

number-of-packets-per-conn

Description Specify maximum number of packets to be captured in a 5 tuple based connection (default 0 unlimited).

Type: number

Range: 0-1000

Default: 0

number-of-packets-total

Description Specify Maximum number of packets for all captures (default 0 unlimited)

Type: number

Range: 0-15000

Default: 0

packet-length

Description Packet length in Bytes to capture (Default 128)

Type: number

Range: 64-1518

Default: 128

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

file

Specification	
Type	*object*

metrics

Description: metrics is a **JSON Block**. Please see below for *file_metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/file/metrics*

file_metrics

Specification	
Type	*object*

action

Description 'enable': Enable persistent storage(default); 'disable': Disable persistent storage;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

anomaly-detection

Specification	
Type	*object*

feature-status

Description 'enable': Enable anomaly-detection (Not valid for source-nat-ip and source monitor types); 'disable': Disable anomaly detection (default);

Type: string

Supported Values: enable, disable

Default: disable

logging

Description 'per-entity': Enable per entity logging; 'per-metric': Enable per metric logging with threshold details; 'disable': Disable anomaly notifications (Default);

Type: string

Supported Values: per-entity, per-metric, disable

Default: disable

restart-learning-on-anomaly

Description Relearn anomaly detection parameters after detecting an anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sensitivity

Description 'high': Highly sensitive anomaly detection. Can lead to false positives; 'low': Low sensitivity anomaly detection. Can cause delay in detection and might not detect certain attacks. (default);

Type: string

Supported Values: high, low

Default: low

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zbar

Specification	
Type	*object*

action

Description 'enable': Enable zbar infra; 'disable': Disable zbar infra(default);

Type: string

Supported Values: enable, disable

Default: disable

dest

Description: dest is a **JSON Block**. Please see below for *zbar_dest*

Type: Object

Refernce Object: */axapi/v3/visibility/zbar/dest*

truples

Description: truples is a **JSON Block**. Please see below for *zbar_truples*

Type: Object

Refernce Object: */axapi/v3/visibility/zbar/truples*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zbar_dest

Specification	
Type	*object*

bad-sources

Description: bad-sources is a **JSON Block**. Please see below for *zbar_dest_bad-sources*

Type: Object

Refernce Object: */axapi/v3/visibility/zbar/dest/bad-sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zbar_dest_bad-sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zbar_truples

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor

Specification	
Type	*object*

agent-list

Type: List

Refernce Object: */axapi/v3/visibility/monitor/agent/{agent-name}*

debug-list

Type: List

Refernce Object: */axapi/v3/visibility/monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}*

delete-debug-file

Description: delete-debug-file is a **JSON Block**. Please see below for *monitor_delete-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/delete-debug-file/{debug-ip-addr}*

index-sessions

Description Start indexing associated sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

index-sessions-type

Description 'per-cpu': Use per cpu list;

Type: string

Supported Values: per-cpu

mon-entity-topk

Description Enable topk for primary entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-key

Description 'source': Monitor traffic from all sources; 'dest': Monitor traffic to any destination; 'service': Monitor traffic to any service; 'source-nat-ip': Monitor traffic to all source nat IPs;

Type: string

Supported Values: source, dest, service, source-nat-ip

netflow

Description: netflow is a **JSON Block**. Please see below for *monitor_netflow*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/netflow*

primary-monitor

Description 'traffic': Mointor traffic;

Type: string

Supported Values: traffic

replay-debug-file

Description: replay-debug-file is a **JSON Block**. Please see below for *monitor_replay-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/replay-debug-file/{debug-ip-addr}*

secondary-monitor

Description: secondary-monitor is a **JSON Block**. Please see below for *monitor_secondary-monitor*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor*

sflow

Description: sflow is a **JSON Block**. Please see below for *monitor_sflow*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/sflow*

source-entity-topk

Description Enable topk for sources to primary-entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template

Description: template is a **JSON Block**. Please see below for *monitor_template*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor_debug-list

Specification	
Type	*list*
Block object keys	

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor_sflow

Specification	
Type	*object*

listening-port

Description sFlow port to receive packets (sFlow port number(default 6343))

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor_delete-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

monitor_template

Specification	
Type	*object*

notification

Type: List

monitor_template_notification

Specification	
Type	*list*
Block object keys	

notif-template-name

Description

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name*

monitor_replay-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

monitor_netflow

Specification	
Type	*object*

listening-port

Description Netflow port to receive packets (Netflow port number(default 9996))

Type: number

Range: 1-65535

Default: 9996

template-active-timeout

Description Configure active timeout of the netflow templates received in mins (Template active timeout(mins)(default 30mins))

Type: number

Range: 2-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor_secondary-monitor

Specification	
Type	*object*

debug-list

Type: List

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}*

delete-debug-file

Description: delete-debug-file is a **JSON Block**. Please see below for *monitor_secondary-monitor_delete-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/delete-debug-file/{debug-ip-addr}*

mon-entity-topk

Description Enable topk for secondary entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replay-debug-file

Description: replay-debug-file is a **JSON Block**. Please see below for *monitor_secondary-monitor_replay-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/replay-debug-file/{debug-ip-addr}*

secondary-monitoring-key

Description 'service': Monitor traffic to any service;

Type: string

Supported Values: service

source-entity-topk

Description Enable topk for sources to secondary-entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor_secondary-monitor_debug-list

Specification	
Type	*list*
Block object keys	

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor_secondary-monitor_delete-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

monitor_secondary-monitor_replay-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

monitor_agent-list

Specification	
Type	*list*
Block object keys	

agent-name

Description Specify name for the agent

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

agent-v4-addr

Description Configure agent's IPv4 address

Type: string

Format: ipv4-address

agent-v6-addr

Description Configure agent's IPv6 address

Type: string

Format: ipv6-address

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor_agent-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sflow-packets-received': sFlow Packets Received; 'sflow-samples-received': sFlow Samples Received; 'sflow-samples-bad-len': sFlow Samples Bad Length; 'sflow-samples-non-std': sFlow Samples Non-standard; 'sflow-samples-skipped': sFlow Samples Skipped; 'sflow-sample-record-bad-len': sFlow Sample Records Bad Length; 'sflow-samples-sent-for-detection': sFlow Samples Processed For Detection; 'sflow-sample-record-invalid-layer2': sFlow Sample Records Unknown Layer-2; 'sflow-sample-ipv6-hdr-parse-fail': sFlow Sample IPv6 Record Header Parse Failures; 'sflow-disabled': sFlow Packet Samples Processing Disabled; 'netflow-disabled': Netflow Flow Samples Processing Disabled; 'netflow-v5-packets-received': Netflow v5 Packets Received; 'netflow-v5-samples-received': Netflow v5 Samples Received; 'netflow-v5-samples-sent-for-detection': Netflow v5 Samples Processed For Detection; 'netflow-v5-sample-records-bad-len': Netflow v5 Sample Records Bad Length; 'netflow-v5-max-records-exceed': Netflow v5 Sample Max Records

Error; 'netflow-v9-packets-received': Netflow v9 Packets Received; 'netflow-v9-samples-received': Netflow v9 Samples Received; 'netflow-v9-samples-sent-for-detection': Netflow v9 Samples Processed For Detection; 'netflow-v9-sample-records-bad-len': Netflow v9 Sample Records Bad Length; 'netflow-v9-max-records-exceed': Netflow v9 Sample Max Records Error; 'netflow-v10-packets-received': Netflow v10 Packets Received; 'netflow-v10-samples-received': Netflow v10 Samples Received; 'netflow-v10-samples-sent-for-detection': Netflow v10 Samples Procssed For Detection; 'netflow-v10-sample-records-bad-len': Netflow v10 Sample Records Bad Length; 'netflow-v10-max-records-exceed': Netflow v10 Sample Max records Error; 'netflow-tcp-sample-received': Netflow TCP Samples Received; 'netflow-udp-sample-received': Netflow UDP Samples received; 'netflow-icmp-sample-received': Netflow ICMP Samples Received; 'netflow-other-sample-received': Netflow OTHER Samples Received; 'netflow-record-copy-oom-error': Netflow Data Record Copy Fail OOM; 'netflow-record-rse-invalid': Netflow Data Record Reduced Size Invalid; 'netflow-sample-flow-dur-error': Netflow Sample Flow Duration Error;

Type: string

Supported Values: all, sflow-packets-received, sflow-samples-received, sflow-samples-bad-len, sflow-samples-non-std, sflow-samples-skipped, sflow-sample-record-bad-len, sflow-samples-sent-for-detection, sflow-sample-record-invalid-layer2, sflow-sample-ipv6-hdr-parse-fail, sflow-disabled, netflow-disabled, netflow-v5-packets-received, netflow-v5-samples-received, netflow-v5-samples-sent-for-detection, netflow-v5-sample-records-bad-len, netflow-v5-max-records-exceed, netflow-v9-packets-received, netflow-v9-samples-received, netflow-v9-samples-sent-for-detection, netflow-v9-sample-records-bad-len, netflow-v9-max-records-exceed, netflow-v10-packets-received, netflow-v10-samples-received, netflow-v10-samples-sent-for-detection, netflow-v10-sample-records-bad-len, netflow-v10-max-records-exceed, netflow-tcp-sample-received, netflow-udp-sample-received, netflow-icmp-sample-received, netflow-other-sample-received, netflow-record-copy-oom-error, netflow-record-rse-invalid, netflow-sample-flow-dur-error

stats data

	Counter	Size	Description
	ha-entity-delete-sent	8	Total montior entity HA delete messages sent
	out-of-memory-alloc-failures	8	Out of memory allocation failures
	mon-entity-rrd-tune-err	8	Total monitor entity rrd tune error
	mon-entity-rrd-file-timestamp-err	8	Total monitor entity rrd file timestamp errors
	lw-mon-entity-limit-exceed	8	Light weight limit exceeded errors
	ha-entity-periodic-sync-sent	8	Total monitor entity periodic sync messages sent
	mon-entity-rrd-last-update-fetch-failed-err	8	Total monitor entity rrd last update fetch failed error
	ha-entity-create-sent	8	Total montior entity HA create messages sent
	lw-mon-entity-created	8	Total Light-weight entities created
	mon-entity-rrd-update-err	8	Total monitor entity rrd update error
	mon-entity-rrd-out-of-memory-err	8	Total monitor entity rrd load failed, out of memory error
	ha-entity-anomaly-off-sent	8	Total anomaly off HA messages sent
	mon-entity-rrd-file-create-err	8	Total monitor entity rrd file create error
	mon-entity-limit-exceed	8	Total monitor entity limit exceed failures
	lw-mon-entity-deleted	8	Total Light-weight entities deleted
	lw-out-of-memory-alloc-failures	8	Light Weight Out-of-memory allocation failures
	ha-entity-anomaly-on-sent	8	Total anomaly on HA messages sent

2.115.2 visibility anomaly-detection

Anomaly detection parameters

anomaly-detection Specification

Type	*Configuration Resource*
Element Name	anomaly-detection
Element URI	/axapi/v3/visibility/anomaly-detection
Element Attributes	anomaly-detection_attributes
Schema	`anomaly-detection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/anomaly-detection

anomaly-detection attributes

Get Object

GET

/axapi/v3/visibility/anomaly-detection

anomaly-detection attributes

Modify Object

POST

/axapi/v3/visibility/anomaly-detection

anomaly-detection attributes

Replace Object

PUT

/axapi/v3/visibility/anomaly-detection

anomaly-detection attributes

Delete Object

DELETE

/axapi/v3/visibility/anomaly-detection

anomaly-detection attributes

anomaly-detection attributes

feature-status

Description 'enable': Enable anomaly-detection (Not valid for source-nat-ip and source monitor types); 'disable': Disable anomaly detection (default);

Type: string

Supported Values: enable, disable

Default: disable

logging

Description 'per-entity': Enable per entity logging; 'per-metric': Enable per metric logging with threshold details; 'disable': Disable anomaly notifications (Default);

Type: string

Supported Values: per-entity, per-metric, disable

Default: disable

restart-learning-on-anomaly

Description Relearn anomaly detection parameters after detecting an anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sensitivity

Description 'high': Highly sensitive anomaly detection. Can lead to false positives; 'low': Low sensitivity anomaly detection. Can cause delay in detection and might not detect certain attacks. (default);

Type: string

Supported Values: high, low

Default: low

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.3 visibility debug-files

Display the list of monitored entity debug files

debug-files Specification

Type	*Configuration Resource*
Element Name	debug-files
Element URI	/axapi/v3/visibility/debug-files
Element Attributes	debug-files_attributes
Operational Data URI	/axapi/v3/visibility/debug-files/oper
Schema	`debug-files schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/debug-files

debug-files attributes

Get Object

GET

/axapi/v3/visibility/debug-files

debug-files attributes

Modify Object

POST

/axapi/v3/visibility/debug-files

debug-files attributes

Replace Object

PUT

/axapi/v3/visibility/debug-files

debug-files attributes

Delete Object

DELETE

/axapi/v3/visibility/debug-files

debug-files attributes

debug-files attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	debug-file-name-list		debug-file-name-list

2.115.4 visibility file

Display Monitoring entity files

file Specification

Type	*Intermediate Resource*
Element Name	file
Element URI	/axapi/v3/visibility/file
Element Attributes	file_attributes
Schema	`file schema`

Operations Allowed:

Get Object

GET

/axapi/v3/visibility/file

file_attributes

file attributes

metrics

Description: metrics is a **JSON Block**. Please see below for *metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/file/metrics*

metrics

Specification	
Type	*object*

action

Description 'enable': Enable persistent storage(default); 'disable': Disable persistent storage;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.5 visibility file metrics

Persistent storage for metrics

metrics Specification

Type	*Configuration Resource*
Element Name	metrics
Element URI	/axapi/v3/visibility/file/metrics
Element Attributes	metrics_attributes
Operational Data URI	/axapi/v3/visibility/file/metrics/oper
Schema	`metrics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/file/metrics

metrics attributes

Get Object

GET

/axapi/v3/visibility/file/metrics

metrics attributes

Modify Object

POST

/axapi/v3/visibility/file/metrics

metrics attributes

Replace Object

PUT

/axapi/v3/visibility/file/metrics

metrics attributes

Delete Object

DELETE

/axapi/v3/visibility/file/metrics

metrics attributes

metrics attributes

action

Description 'enable': Enable persistent storage(default); 'disable': Disable persistent storage;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	sec-ipv6-addr	ipv6-address	sec-ipv6-addr
	sec-l4-port	number	sec-l4-port
	sec-l4-proto	number	sec-l4-proto
	file-name	string	file-name
	pri-ipv6-addr	ipv6-address	pri-ipv6-addr
	pri-l4-port	number	pri-l4-port
	pri-l4-proto	number	pri-l4-proto
	pri-ipv4-addr	ipv4-address	pri-ipv4-addr
	monitor-type	string	monitor-type
	pri-type	string	pri-type
	proc-metric-list		proc-metric-list
	sec-ipv4-addr	ipv4-address	sec-ipv4-addr
	sec-type	string	sec-type

2.115.6 visibility flow-collector

sFlow/Netflow collector

flow-collector Specification

Type	*Intermediate Resource*
Element Name	flow-collector
Element URI	/axapi/v3/visibility/flow-collector
Element Attributes	flow-collector_attributes
Schema	`flow-collector schema`

Operations Allowed:

Get Object

GET

/axapi/v3/visibility/flow-collector

flow-collector_attributes

flow-collector attributes

netflow

Description: netflow is a **JSON Block**. Please see below for *netflow*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow*

sflow

Description: sflow is a **JSON Block**. Please see below for *sflow*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/sflow*

netflow

Specification	
Type	*object*

sampling-enable

Type: List

template

Description: template is a **JSON Block**. Please see below for *netflow_template*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

netflow_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkts-rcvd': Total nflow packets received; 'v9-templates-created': Total v9 templates created; 'v9-templates-deleted': Total v9 templates deleted; 'v10-templates-created': Total v10(IPFIX) templates created; 'v10-templates-deleted': Total v10(IPFIX) templates deleted; 'template-drop-exceeded': Total templates dropped because of maximum limit;

'template-drop-out-of-memory': Total templates dropped becuase of out of memory; 'frag-dropped': Total nflow fragment packets droppped; 'agent-not-found': nflow pkts from not configured agents; 'version-not-supported': nflow version not supported; 'unknown-dir': nflow sample direction is unknown;

Type: string

Supported Values: all, pkts-rcvd, v9-templates-created, v9-templates-deleted, v10-templates-created, v10-templates-deleted, template-drop-exceeded, template-drop-out-of-memory, frag-dropped, agent-not-found, version-not-supported, unknown-dir

netflow_template

Specification	
Type	*object*

detail

Description: detail is a **JSON Block**. Please see below for *netflow_template_detail*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow/template/detail*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

netflow_template_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'templates-added-to-delq': Netflow templates added to the delete queue; 'templates-removed-from-delq': Netflow templates removed from the delete queue;

Type: string

Supported Values: all, templates-added-to-delq, templates-removed-from-delq

netflow_template_detail

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sflow

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sflow_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkts-received': Total sflow pkts received; 'frag-dropped': Total sflow fragment packets droppped; 'agent-not-found': sflow pkts from not configured agents; 'version-not-supported': sflow version not supported; 'unknown-dir': sflow sample direction is unknown;

Type: string

Supported Values: all, pkts-received, frag-dropped, agent-not-found, version-not-supported, unknown-dir

2.115.7 visibility flow-collector netflow

NetFlow/IPFIX collector

netflow Specification

Type	*Configuration Resource*
Element Name	netflow
Element URI	/axapi/v3/visibility/flow-collector/netflow
Element Attributes	netflow_attributes
Statistics Data URI	/axapi/v3/visibility/flow-collector/netflow/stats
Schema	`netflow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/flow-collector/netflow

netflow attributes

Get Object

GET

/axapi/v3/visibility/flow-collector/netflow

netflow attributes

Modify Object

POST

/axapi/v3/visibility/flow-collector/netflow

netflow attributes

Replace Object

PUT

/axapi/v3/visibility/flow-collector/netflow

netflow attributes

Delete Object

DELETE

/axapi/v3/visibility/flow-collector/netflow

netflow attributes

netflow attributes

sampling-enable

Type: List

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkts-rcvd': Total nflow packets received; 'v9-templates-created': Total v9 templates created; 'v9-templates-deleted': Total v9 templates deleted; 'v10-templates-created': Total v10(IPFIX) templates created; 'v10-templates-deleted': Total v10(IPFIX) templates deleted; 'template-drop-exceeded': Total templates dropped because of maximum limit; 'template-drop-out-of-memory': Total templates dropped becuase of out of memory; 'frag-dropped': Total nflow fragment packets droppped; 'agent-not-found': nflow pkts from not configured agents; 'version-not-supported': nflow version not supported; 'unknown-dir': nflow sample direction is unknown;

Type: string

Supported Values: all, pkts-rcvd, v9-templates-created, v9-templates-deleted, v10-templates-created, v10-templates-deleted, template-drop-exceeded, template-drop-out-of-memory, frag-dropped, agent-not-found, version-not-supported, unknown-dir

template

Specification	
Type	*object*

detail

Description: detail is a **JSON Block**. Please see below for *template_detail*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow/template/detail*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'templates-added-to-delq': Netflow templates added to the delete queue; 'templates-removed-from-delq': Netflow templates removed from the delete queue;

Type: string

Supported Values: all, templates-added-to-delq, templates-removed-from-delq

template_detail

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	template-drop-exceeded	8	Total templates dropped because of maximum limit
	pkts-rcvd	8	Total nflow packets received
	agent-not-found	8	nflow pkts from not configured agents
	v10-templates-deleted	8	Total v10(IPFIX) templates deleted
	frag-dropped	8	Total nflow fragment packets droppped
	version-not-supported	8	nflow version not supported
	v9-templates-deleted	8	Total v9 templates deleted
	v9-templates-created	8	Total v9 templates created
	unknown-dir	8	nflow sample direction is unknown
	v10-templates-created	8	Total v10(IPFIX) templates created
	template-drop-out-of-memory	8	Total templates dropped becuase of out of memory

2.115.8 visibility flow-collector netflow template

NetFlow/IPFIX collector templates

template Specification

Type	*Configuration Resource*
Element Name	template
Element URI	/axapi/v3/visibility/flow-collector/netflow/template
Element Attributes	template_attributes
Operational Data URI	/axapi/v3/visibility/flow-collector/netflow/template/oper
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/flow-collector/netflow/template

template attributes

Get Object

GET

/axapi/v3/visibility/flow-collector/netflow/template

template attributes

Modify Object

POST

/axapi/v3/visibility/flow-collector/netflow/template

template attributes

Replace Object

PUT

/axapi/v3/visibility/flow-collector/netflow/template

template attributes

Delete Object

DELETE

/axapi/v3/visibility/flow-collector/netflow/template

template attributes

template attributes

detail

Description: detail is a **JSON Block**. Please see below for *detail*

Type: Object

Refernce Object: */axapi/v3/visibility/flow-collector/netflow/template/detail*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'templates-added-to-delq': Netflow templates added to the delete queue; 'templates-removed-from-delq': Netflow templates removed from the delete queue;

Type: string

Supported Values: all, templates-added-to-delq, templates-removed-from-delq

detail

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	templates-removed-from-delq	8	Netflow templates removed from the delete queue
	templates-added-to-delq	8	Netflow templates added to the delete queue

operational data

	Counter	Size	Description
	nf-template-list		nf-template-list

2.115.9 visibility flow-collector netflow template detail

Netflow/IPFIX collector templates in detail

detail Specification

Type	*Configuration Resource*
Element Name	detail
Element URI	/axapi/v3/visibility/flow-collector/netflow/template/detail
Element Attributes	detail_attributes
Operational Data URI	/axapi/v3/visibility/flow-collector/netflow/template/detail/oper
Schema	`detail schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/flow-collector/netflow/template/detail

detail attributes

Get Object

GET

/axapi/v3/visibility/flow-collector/netflow/template/detail

detail attributes

Modify Object

POST

/axapi/v3/visibility/flow-collector/netflow/template/detail

detail attributes

Replace Object

PUT

/axapi/v3/visibility/flow-collector/netflow/template/detail

detail attributes

Delete Object

DELETE

/axapi/v3/visibility/flow-collector/netflow/template/detail

detail attributes

detail attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	nf-template-list		nf-template-list

2.115.10 visibility flow-collector sflow

sFlow collector

sflow Specification

Type	*Configuration Resource*
Element Name	sflow
Element URI	/axapi/v3/visibility/flow-collector/sflow
Element Attributes	sflow_attributes
Statistics Data URI	/axapi/v3/visibility/flow-collector/sflow/stats
Schema	`sflow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/flow-collector/sflow

sflow attributes

Get Object

GET

/axapi/v3/visibility/flow-collector/sflow

sflow attributes

Modify Object

POST

/axapi/v3/visibility/flow-collector/sflow

sflow attributes

Replace Object

PUT

/axapi/v3/visibility/flow-collector/sflow

sflow attributes

Delete Object

DELETE

/axapi/v3/visibility/flow-collector/sflow

sflow attributes

sflow attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkts-received': Total sflow pkts received; 'frag-dropped': Total sflow fragment packets droppped; 'agent-not-found': sflow pkts from not configured agents; 'version-not-supported': sflow version not supported; 'unknown-dir': sflow sample direction is unknown;

Type: string

Supported Values: all, pkts-received, frag-dropped, agent-not-found, version-not-supported, unknown-dir

stats data

	Counter	Size	Description
	version-not-supported	8	sflow version not supported
	pkts-received	8	Total sflow pkts received
	agent-not-found	8	sflow pkts from not configured agents
	unknown-dir	8	sflow sample direction is unknown
	frag-dropped	8	Total sflow fragment packets droppped

2.115.11 visibility mon-entity-telemetry-data

dummy schema for sflow exports

mon-entity-telemetry-data Specification

Type	*Configuration Resource*
Element Name	mon-entity-telemetry-data
Element URI	/axapi/v3/visibility/mon-entity-telemetry-data
Element Attributes	mon-entity-telemetry-data_attributes
Statistics Data URI	/axapi/v3/visibility/mon-entity-telemetry-data/stats
Schema	`mon-entity-telemetry-data schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/mon-entity-telemetry-data

mon-entity-telemetry-data attributes

Get Object

GET

/axapi/v3/visibility/mon-entity-telemetry-data

mon-entity-telemetry-data attributes

Modify Object

POST

/axapi/v3/visibility/mon-entity-telemetry-data

mon-entity-telemetry-data attributes

Replace Object

PUT

/axapi/v3/visibility/mon-entity-telemetry-data

mon-entity-telemetry-data attributes

mon-entity-telemetry-data attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'in_pkts': Monitored Entity telemetry Metric IN pkts; 'out_pkts': Monitored Entity telemetry Metric OUT pkts; 'in_bytes': Monitored Entity telemetry Metric IN bytes; 'out_bytes': Monitored Entity telemetry Metric OUT bytes; 'errors': Monitored Entity telemetry Metric ERRORS; 'in_small_pkt': Monitored Entity telemetry Metric IN SMALL pkt; 'in_frag': Monitored Entity telemetry Metric IN frag; 'out_small_pkt': Monitored Entity telemetry Metric OUT SMALL pkt; 'out_frag': Monitored Entity telemetry Metric OUT frag; 'new-conn': Monitored Entity telemetry Metric New Sessions; 'concurrent-conn': concurrent-conn; 'in_bytes_per_out_bytes': Monitored Entity telemetry Metric IN bytes per OUT bytes; 'drop_pkts_per_pkts': Monitored Entity telemetry Metric Drop pkts per pkts; 'tcp_in_syn': Monitored Entity telemetry Metric TCP IN syn; 'tcp_out_syn': Monitored Entity telemetry Metric TCP OUT syn; 'tcp_in_fin': Monitored Entity telemetry Metric TCP IN fin; 'tcp_out_fin': Monitored Entity telemetry Metric TCP OUT fin; 'tcp_in_payload': Monitored Entity telemetry Metric TCP IN payload; 'tcp_out_payload': Monitored Entity telemetry Metric TCP OUT payload; 'tcp_in_rexmit': Monitored Entity telemetry Metric TCP IN rexmit; 'tcp_out_rexmit': Monitored Entity telemetry Metric TCP OUT rexmit; 'tcp_in_rst': Monitored Entity telemetry Metric TCP IN rst; 'tcp_out_rst': Monitored Entity telemetry Metric TCP OUT rst; 'tcp_in_empty_ack': Monitored Entity telemetry Metric TCP_IN EMPTY ack; 'tcp_out_empty_ack': Monitored Entity telemetry Metric TCP OUT EMPTY ack; 'tcp_in_zero_wnd': Monitored Entity telemetry Metric TCP IN ZERO wnd; 'tcp_out_zero_wnd': Monitored Entity telemetry Metric TCP OUT ZERO wnd; 'tcp_fwd_syn_per_fin': Monitored Entity telemetry Metric TCP FWD SYN per FIN;

Type: string

Supported Values: all, in_pkts, out_pkts, in_bytes, out_bytes, errors, in_small_pkt, in_frag, out_small_pkt, out_frag, new-conn, concurrent-conn, in_bytes_per_out_bytes, drop_pkts_per_pkts, tcp_in_syn, tcp_out_syn, tcp_in_fin, tcp_out_fin, tcp_in_payload, tcp_out_payload, tcp_in_rexmit, tcp_out_rexmit, tcp_in_rst, tcp_out_rst, tcp_in_empty_ack, tcp_out_empty_ack, tcp_in_zero_wnd, tcp_out_zero_wnd, tcp_fwd_syn_per_fin

stats data

	Counter	Size	Description
	in_bytes	8	Monitored Entity telemetry Metric IN bytes
	tcp_in_empty_ack	8	Monitored Entity telemetry Metric TCP_IN EMPTY ack
	in_small_pkt	8	Monitored Entity telemetry Metric IN SMALL pkt
	tcp_out_empty_ack	8	Monitored Entity telemetry Metric TCP OUT EMPTY ack
	concurrent-conn	8	concurrent-conn
	out_frag	8	Monitored Entity telemetry Metric OUT frag
	tcp_out_rst	8	Monitored Entity telemetry Metric TCP OUT rst
	tcp_out_zero_wnd	8	Monitored Entity telemetry Metric TCP OUT ZERO wnd
	errors	8	Monitored Entity telemetry Metric ERRORS
	out_small_pkt	8	Monitored Entity telemetry Metric OUT SMALL pkt
	tcp_in_rexmit	8	Monitored Entity telemetry Metric TCP IN rexmit
	tcp_out_fin	8	Monitored Entity telemetry Metric TCP OUT fin
	in_bytes_per_out_bytes	8	Monitored Entity telemetry Metric IN bytes per OUT bytes
	tcp_in_payload	8	Monitored Entity telemetry Metric TCP IN payload
	tcp_out_syn	8	Monitored Entity telemetry Metric TCP OUT syn
	tcp_out_rexmit	8	Monitored Entity telemetry Metric TCP OUT rexmit
	tcp_in_zero_wnd	8	Monitored Entity telemetry Metric TCP IN ZERO wnd
	tcp_in_fin	8	Monitored Entity telemetry Metric TCP IN fin
	out_pkts	8	Monitored Entity telemetry Metric OUT pkts
	tcp_fwd_syn_per_fin	8	Monitored Entity telemetry Metric TCP FWD SYN per FIN
	in_pkts	8	Monitored Entity telemetry Metric IN pkts
	out_bytes	8	Monitored Entity telemetry Metric OUT bytes
	in_frag	8	Monitored Entity telemetry Metric IN frag
	drop_pkts_per_pkts	8	Monitored Entity telemetry Metric Drop pkts per pkts
	tcp_in_syn	8	Monitored Entity telemetry Metric TCP IN syn
	tcp_out_payload	8	Monitored Entity telemetry Metric TCP OUT payload
	new-conn	8	Monitored Entity telemetry Metric New Sessions
	tcp_in_rst	8	Monitored Entity telemetry Metric TCP IN rst

2.115.12 visibility mon-topk

Display topk Monitoring entities

mon-topk Specification

Type	*Intermediate Resource*
Element Name	mon-topk
Element URI	/axapi/v3/visibility/mon-topk
Element Attributes	mon-topk_attributes
Schema	`mon-topk schema`

Operations Allowed:

Get Object

GET

/axapi/v3/visibility/mon-topk

mon-topk_attributes

mon-topk attributes

sources

Description: sources is a **JSON Block**. Please see below for *sources*

Type: Object

Refernce Object: */axapi/v3/visibility/mon-topk/sources*

sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.13 visibility mon-topk sources

Display topk source entities

sources Specification

Type	*Configuration Resource*
Element Name	sources
Element URI	/axapi/v3/visibility/mon-topk/sources
Element Attributes	sources_attributes
Operational Data URI	/axapi/v3/visibility/mon-topk/sources/oper
Schema	`sources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/mon-topk/sources

sources attributes

Get Object

GET

/axapi/v3/visibility/mon-topk/sources

sources attributes

Modify Object

POST

/axapi/v3/visibility/mon-topk/sources

sources attributes

Replace Object

PUT

/axapi/v3/visibility/mon-topk/sources

sources attributes

Delete Object

DELETE

/axapi/v3/visibility/mon-topk/sources

sources attributes

sources attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	metric-topk-list		metric-topk-list

2.115.14 visibility monitor

Configure monitoring keys

monitor Specification

Type	*Configuration Resource*
Element Name	monitor
Element URI	/axapi/v3/visibility/monitor
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitor

monitor attributes

Get Object

GET

/axapi/v3/visibility/monitor

monitor attributes

Modify Object

POST

/axapi/v3/visibility/monitor

monitor attributes

Replace Object

PUT

/axapi/v3/visibility/monitor

monitor attributes

Delete Object

DELETE

/axapi/v3/visibility/monitor

monitor attributes

monitor attributes

agent-list

Type: List

Refernce Object: */axapi/v3/visibility/monitor/agent/{agent-name}*

debug-list

Type: List

Refernce Object: */axapi/v3/visibility/monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}*

delete-debug-file

Description: delete-debug-file is a **JSON Block**. Please see below for *delete-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/delete-debug-file/{debug-ip-addr}*

index-sessions

Description Start indexing associated sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

index-sessions-type

Description 'per-cpu': Use per cpu list;

Type: string

Supported Values: per-cpu

mon-entity-topk

Description Enable topk for primary entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-key

Description 'source': Monitor traffic from all sources; 'dest': Monitor traffic to any destination; 'service': Monitor traffic to any service; 'source-nat-ip': Monitor traffic to all source nat IPs;

Type: string

Supported Values: source, dest, service, source-nat-ip

netflow

Description: netflow is a **JSON Block**. Please see below for *netflow*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/netflow*

primary-monitor

Description 'traffic': Mointor traffic;

Type: string

Supported Values: traffic

replay-debug-file

Description: replay-debug-file is a **JSON Block**. Please see below for *replay-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/replay-debug-file/{debug-ip-addr}*

secondary-monitor

Description: secondary-monitor is a **JSON Block**. Please see below for *secondary-monitor*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor*

sflow

Description: sflow is a **JSON Block**. Please see below for *sflow*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/sflow*

source-entity-topk

Description Enable topk for sources to primary-entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug-list

Specification	
Type	*list*
Block object keys	

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sflow

Specification	
Type	*object*

listening-port

Description sFlow port to receive packets (sFlow port number(default 6343))

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

delete-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

template

Specification	
Type	*object*

notification

Type: List

template_notification

Specification	
Type	*list*
Block object keys	

notif-template-name

Description

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name*

replay-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

netflow

Specification	
Type	*object*

listening-port

Description Netflow port to receive packets (Netflow port number(default 9996))

Type: number

Range: 1-65535

Default: 9996

template-active-timeout

Description Configure active timeout of the netflow templates received in mins (Template active timeout(mins)(default 30mins))

Type: number

Range: 2-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secondary-monitor

Specification	
Type	*object*

debug-list

Type: List

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}*

delete-debug-file

Description: delete-debug-file is a **JSON Block**. Please see below for *secondary-monitor_delete-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/delete-debug-file/{debug-ip-addr}*

mon-entity-topk

Description Enable topk for secondary entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replay-debug-file

Description: replay-debug-file is a **JSON Block**. Please see below for *secondary-monitor_replay-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/replay-debug-file/{debug-ip-addr}*

secondary-monitoring-key

Description 'service': Monitor traffic to any service;

Type: string

Supported Values: service

source-entity-topk

Description Enable topk for sources to secondary-entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secondary-monitor_debug-list

Specification	
Type	*list*
Block object keys	

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secondary-monitor_delete-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

secondary-monitor_replay-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

agent-list

Specification	
Type	*list*
Block object keys	

agent-name

Description Specify name for the agent

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

agent-v4-addr

Description Configure agent's IPv4 address

Type: string

Format: ipv4-address

agent-v6-addr

Description Configure agent's IPv6 address

Type: string

Format: ipv6-address

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

agent-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sflow-packets-received': sFlow Packets Received; 'sflow-samples-received': sFlow Samples Received; 'sflow-samples-bad-len': sFlow Samples Bad Length; 'sflow-samples-non-std': sFlow Samples Non-standard; 'sflow-samples-skipped': sFlow Samples Skipped; 'sflow-sample-record-bad-len': sFlow Sample Records Bad Length; 'sflow-samples-sent-for-detection': sFlow Samples Processed For Detection; 'sflow-sample-record-invalid-layer2': sFlow Sample Records Unknown Layer-2; 'sflow-sample-ipv6-hdr-parse-fail': sFlow Sample IPv6 Record Header Parse Failures; 'sflow-disabled': sFlow Packet Samples Processing Disabled; 'netflow-disabled': Netflow Flow Samples Processing Disabled; 'netflow-v5-packets-received': Netflow v5 Packets Received; 'netflow-v5-samples-received': Netflow v5 Samples Received; 'netflow-v5-samples-sent-for-detection': Netflow v5 Samples Processed For Detection; 'netflow-v5-sample-records-bad-len': Netflow v5 Sample Records Bad Length; 'netflow-v5-max-records-exceed': Netflow v5 Sample Max Records Error; 'netflow-v9-packets-received': Netflow v9 Packets Received; 'netflow-v9-samples-received': Netflow v9 Samples Received; 'netflow-v9-samples-sent-for-detection': Netflow v9 Samples Processed For Detection; 'netflow-v9-sample-records-bad-len': Netflow v9 Sample Records Bad Length; 'netflow-v9-max-records-exceed': Netflow v9 Sample Max Records Error; 'netflow-v10-packets-received': Netflow v10 Packets Received; 'netflow-v10-samples-received': Netflow v10 Samples Received; 'netflow-v10-samples-sent-for-detection': Netflow v10 Samples Procssed For Detection; 'netflow-v10-sample-records-bad-len': Netflow v10 Sample Records Bad Length; 'netflow-v10-max-records-exceed': Netflow v10 Sample Max records Error; 'netflow-tcp-sample-received': Netflow TCP Samples Received; 'netflow-udp-sample-received': Netflow UDP Samples received; 'netflow-icmp-sample-received': Netflow ICMP Samples Received; 'netflow-other-sample-received': Netflow OTHER Samples Received; 'netflow-record-copy-oom-error': Netflow Data Record Copy Fail OOM; 'netflow-record-rse-invalid': Netflow Data Record Reduced Size Invalid; 'netflow-sample-flow-dur-error': Netflow Sample Flow Duration Error;

Type: string

Supported Values: all, sflow-packets-received, sflow-samples-received, sflow-samples-bad-len, sflow-samples-non-std, sflow-samples-skipped, sflow-sample-record-bad-len, sflow-samples-sent-for-detection, sflow-sample-record-invalid-layer2, sflow-sample-ipv6-hdr-parse-fail, sflow-disabled, netflow-disabled, netflow-v5-packets-received, netflow-v5-samples-received, netflow-v5-samples-sent-for-detection, netflow-v5-sample-records-bad-len, netflow-v5-max-records-exceed, netflow-v9-packets-received, netflow-v9-samples-received, netflow-v9-samples-sent-for-detection, netflow-v9-sample-records-bad-len, netflow-v9-max-records-exceed, netflow-v10-packets-received, netflow-v10-samples-received, netflow-v10-samples-sent-for-detection, netflow-v10-sample-records-bad-len, netflow-v10-max-records-exceed, netflow-tcp-sample-received, netflow-udp-sample-received, netflow-icmp-sample-received, netflow-other-sample-received, netflow-record-copy-oom-error, netflow-record-rse-invalid, netflow-sample-flow-dur-error

2.115.15 visibility monitor agent

Configure xflow agent

agent Specification

Type	*Collection*
Object Key(s)	*agent-name*
Collection Name	*agent-list*
Collection URI	/axapi/v3/visibility/monitor/agent
Element Name	agent
Element URI	/axapi/v3/visibility/monitor/agent/{agent-name}
Element Attributes	agent_attributes
Statistics Data URI	/axapi/v3/visibility/monitor/agent/{agent-name}/stats
Schema	`agent schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitor/agent

agent attributes

Create List

POST

/axapi/v3/visibility/monitor/agent

agent attributes

Get Object

GET

/axapi/v3/visibility/monitor/agent/{agent-name}

agent attributes

Get List

GET

/axapi/v3/visibility/monitor/agent

agent-list

Modify Object

POST

/axapi/v3/visibility/monitor/agent/{agent-name}

agent attributes

Replace Object

PUT

/axapi/v3/visibility/monitor/agent/{agent-name}

agent attributes

Replace List

PUT

/axapi/v3/visibility/monitor/agent

agent-list

Delete Object

DELETE

/axapi/v3/visibility/monitor/agent/{agent-name}

agent attributes

agent-list

agent-list is **JSON List** of *agent attributes*

agent-list : [

{ *agent attributes* },

{ *agent attributes* },

...

]

agent attributes

agent-name

Description Specify name for the agent

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

agent-v4-addr

Description Configure agent's IPv4 address

Type: string

Format: ipv4-address

agent-v6-addr

Description Configure agent's IPv6 address

Type: string

Format: ipv6-address

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sflow-packets-received': sFlow Packets Received; 'sflow-samples-received': sFlow Samples Received; 'sflow-samples-bad-len': sFlow Samples Bad Length; 'sflow-samples-non-std': sFlow Samples Non-standard; 'sflow-samples-skipped': sFlow Samples Skipped; 'sflow-sample-record-bad-len': sFlow Sample Records Bad Length; 'sflow-samples-sent-for-detection': sFlow Samples Processed For Detection; 'sflow-sample-record-invalid-layer2': sFlow Sample Records Unknown Layer-2; 'sflow-sample-ipv6-hdr-parse-fail': sFlow Sample IPv6 Record Header Parse Failures; 'sflow-disabled': sFlow Packet Samples Processing Disabled; 'netflow-disabled': Netflow Flow Samples Processing Disabled; 'netflow-v5-packets-received': Netflow v5 Packets Received; 'netflow-v5-samples-received': Netflow v5 Samples Received; 'netflow-v5-samples-sent-for-detection': Netflow v5 Samples Processed For Detection; 'netflow-v5-sample-records-bad-len': Netflow v5 Sample Records Bad Length; 'netflow-v5-max-records-exceed': Netflow v5 Sample Max Records Error; 'netflow-v9-packets-received': Netflow v9 Packets Received; 'netflow-v9-samples-received': Netflow v9 Samples Received; 'netflow-v9-samples-sent-for-detection': Netflow v9 Samples Processed For Detection; 'netflow-v9-sample-records-bad-len': Netflow v9 Sample Records Bad Length; 'netflow-v9-max-records-exceed': Netflow v9 Sample Max Records Error; 'netflow-v10-packets-received': Netflow v10 Packets Received; 'netflow-v10-samples-received': Netflow v10 Samples Received; 'netflow-v10-samples-sent-for-detection': Netflow v10 Samples Procssed For Detection; 'netflow-v10-sample-records-bad-len': Netflow v10 Sample Records Bad Length; 'netflow-v10-max-records-exceed': Netflow v10 Sample Max records Error; 'netflow-tcp-sample-received': Netflow TCP Samples Received; 'netflow-udp-sample-received': Netflow UDP Samples received; 'netflow-icmp-sample-received': Netflow ICMP Samples Received; 'netflow-other-sample-received': Netflow OTHER Samples Received; 'netflow-record-copy-oom-error': Netflow Data Record Copy Fail OOM; 'netflow-record-rse-invalid': Netflow Data Record Reduced Size Invalid; 'netflow-sample-flow-dur-error': Netflow Sample Flow Duration Error;

Type: string

Supported Values: all, sflow-packets-received, sflow-samples-received, sflow-samples-bad-len, sflow-samples-non-std, sflow-samples-skipped, sflow-sample-record-bad-len, sflow-samples-sent-for-detection, sflow-sample-record-invalid-layer2, sflow-sample-ipv6-hdr-parse-fail, sflow-disabled, netflow-disabled, netflow-v5-packets-received, netflow-v5-samples-received, netflow-v5-samples-sent-for-detection, netflow-v5-sample-records-bad-len, netflow-v5-max-records-exceed, netflow-v9-packets-received, netflow-v9-samples-received, netflow-v9-samples-sent-for-detection, netflow-v9-sample-records-bad-len, netflow-v9-max-records-exceed, netflow-v10-packets-received, netflow-v10-samples-received, netflow-v10-samples-sent-for-detection, netflow-v10-sample-records-bad-len, netflow-v10-max-records-exceed, netflow-tcp-sample-received, netflow-udp-sample-received, netflow-icmp-sample-received, netflow-other-sample-received, netflow-record-copy-oom-error, netflow-record-rse-invalid, netflow-sample-flow-dur-error

stats data

	Counter	Size	Description
	netflow-v10-packets-received	8	Netflow v10 Packets Received
	netflow-v9-sample-records-bad-len	8	Netflow v9 Sample Records Bad Length
	sflow-disabled	8	sFlow Packet Samples Processing Disabled
	netflow-v5-max-records-exceed	8	Netflow v5 Sample Max Records Error
	netflow-v5-sample-records-bad-len	8	Netflow v5 Sample Records Bad Length
	netflow-tcp-sample-received	8	Netflow TCP Samples Received
	netflow-v10-samples-received	8	Netflow v10 Samples Received
	netflow-record-rse-invalid	8	Netflow Data Record Reduced Size Invalid
	sflow-samples-skipped	8	sFlow Samples Skipped
	netflow-v10-max-records-exceed	8	Netflow v10 Sample Max records Error
	netflow-v9-samples-received	8	Netflow v9 Samples Received

continues on next page

Table 2.71 – continued from previous page

	Counter	Size	Description
	sflow-samples-received	8	sFlow Samples Received
	sflow-sample-record-invalid-layer2	8	sFlow Sample Records Unknown Layer-2
	netflow-v10-sample-records-bad-len	8	Netflow v10 Sample Records Bad Length
	netflow-icmp-sample-received	8	Netflow ICMP Samples Received
	netflow-udp-sample-received	8	Netflow UDP Samples received
	netflow-v9-packets-received	8	Netflow v9 Packets Received
	netflow-v10-samples-sent-for-detection	8	Netflow v10 Samples Procssed For Detection
	sflow-packets-received	8	sFlow Packets Received
	sflow-samples-sent-for-detection	8	sFlow Samples Processed For Detection
	netflow-v9-max-records-exceed	8	Netflow v9 Sample Max Records Error
	netflow-v5-samples-received	8	Netflow v5 Samples Received
	netflow-sample-flow-dur-error	8	Netflow Sample Flow Duration Error
	sflow-samples-non-std	8	sFlow Samples Non-standard
	netflow-other-sample-received	8	Netflow OTHER Samples Received

continues on next page

Table 2.71 – continued from previous page

	Counter	Size	Description
	netflow-v5-packets-received	8	Netflow v5 Packets Received
	sflow-sample-record-bad-len	8	sFlow Sample Records Bad Length
	sflow-sample-ipv6-hdr-parse-fail	8	sFlow Sample IPv6 Record Header Parse Failures
	netflow-disabled	8	Netflow Flow Samples Processing Disabled
	netflow-v5-samples-sent-for-detection	8	Netflow v5 Samples Processed For Detection
	sflow-samples-bad-len	8	sFlow Samples Bad Length
	netflow-record-copy-oom-error	8	Netflow Data Record Copy Fail OOM
	netflow-v9-samples-sent-for-detection	8	Netflow v9 Samples Processed For Detection

2.115.16 visibility monitor debug

Enable store and replay for the entitites

debug Specification

Type	*Collection*
Object Key(s)	*debug-ip-addr, debug-port, debug-protocol*
Collection Name	*debug-list*
Collection URI	/axapi/v3/visibility/monitor/debug
Element Name	debug
Element URI	/axapi/v3/visibility/monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}
Element Attributes	debug_attributes
Schema	`debug schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitor/debug

debug attributes

Create List

POST

/axapi/v3/visibility/monitor/debug

debug attributes

Get Object

GET

/axapi/v3/visibility/monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}

debug attributes

Get List

GET

/axapi/v3/visibility/monitor/debug

debug-list

Modify Object

POST

/axapi/v3/visibility/monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}

debug attributes

Replace Object

PUT

/axapi/v3/visibility/monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}

debug attributes

Replace List

PUT

/axapi/v3/visibility/monitor/debug

debug-list

Delete Object

DELETE

/axapi/v3/visibility/monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}

debug attributes

debug-list

debug-list is **JSON List** of *debug attributes*

debug-list : [

{ *debug attributes* },

{ *debug attributes* },

...

]

debug attributes

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.17 visibility monitor netflow

Configure Netflow parameters for flow based monitoring

netflow Specification

Type	*Configuration Resource*
Element Name	netflow
Element URI	/axapi/v3/visibility/monitor/netflow
Element Attributes	netflow_attributes
Schema	`netflow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitor/netflow

netflow attributes

Get Object

GET

/axapi/v3/visibility/monitor/netflow

netflow attributes

Modify Object

POST

/axapi/v3/visibility/monitor/netflow

netflow attributes

Replace Object

PUT

/axapi/v3/visibility/monitor/netflow

netflow attributes

Delete Object

DELETE

/axapi/v3/visibility/monitor/netflow

netflow attributes

netflow attributes

listening-port

Description Netflow port to receive packets (Netflow port number(default 9996))

Type: number

Range: 1-65535

Default: 9996

template-active-timeout

Description Configure active timeout of the netflow templates received in mins (Template active timeout(mins)(default 30mins))

Type: number

Range: 2-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.18 visibility monitor secondary-monitor

Configure secondary monitoring key

secondary-monitor Specification

Type	*Configuration Resource*
Element Name	secondary-monitor
Element URI	/axapi/v3/visibility/monitor/secondary-monitor
Element Attributes	secondary-monitor_attributes
Schema	`secondary-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitor/secondary-monitor

secondary-monitor attributes

Get Object

GET

/axapi/v3/visibility/monitor/secondary-monitor

secondary-monitor attributes

Modify Object

POST

/axapi/v3/visibility/monitor/secondary-monitor

secondary-monitor attributes

Replace Object

PUT

/axapi/v3/visibility/monitor/secondary-monitor

secondary-monitor attributes

Delete Object

DELETE

/axapi/v3/visibility/monitor/secondary-monitor

secondary-monitor attributes

secondary-monitor attributes

debug-list

Type: List

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}*

delete-debug-file

Description: delete-debug-file is a **JSON Block**. Please see below for *delete-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/delete-debug-file/{debug-ip-addr}*

mon-entity-topk

Description Enable topk for secondary entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replay-debug-file

Description: replay-debug-file is a **JSON Block**. Please see below for *replay-debug-file*

Type: Object

Refernce Object: */axapi/v3/visibility/monitor/secondary-monitor/replay-debug-file/{debug-ip-addr}*

secondary-monitoring-key

Description 'service': Monitor traffic to any service;

Type: string

Supported Values: service

source-entity-topk

Description Enable topk for sources to secondary-entities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug-list

Specification	
Type	*list*
Block object keys	

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

delete-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

replay-debug-file

Specification	
Type	*object*

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

2.115.19 visibility monitor secondary-monitor debug

Enable store and replay for the entitites

debug Specification

Type	*Collection*
Object Key(s)	*debug-ip-addr, debug-port, debug-protocol*
Collection Name	*debug-list*
Collection URI	/axapi/v3/visibility/monitor/secondary-monitor/debug
Element Name	debug
Element URI	/axapi/v3/visibility/monitor/secondary-monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}
Element Attributes	debug_attributes
Schema	`debug schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitor/secondary-monitor/debug

debug attributes

Create List

POST

/axapi/v3/visibility/monitor/secondary-monitor/debug

debug attributes

Get Object

GET

/axapi/v3/visibility/monitor/secondary-monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}

debug attributes

Get List

GET

/axapi/v3/visibility/monitor/secondary-monitor/debug

debug-list

Modify Object

POST

/axapi/v3/visibility/monitor/secondary-monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}

debug attributes

Replace Object

PUT

/axapi/v3/visibility/monitor/secondary-monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}

debug attributes

Replace List

PUT

/axapi/v3/visibility/monitor/secondary-monitor/debug

debug-list

Delete Object

DELETE

/axapi/v3/visibility/monitor/secondary-monitor/debug/{debug-ip-addr}+{debug-port}+{debug-protocol}

debug attributes

debug-list

debug-list is **JSON List** of *debug attributes*

debug-list : [

{ *debug attributes* },

{ *debug attributes* },

...

]

debug attributes

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.20 visibility monitor sflow

Configure sFlow parameters for flow based monitoring

sflow Specification

Type	*Configuration Resource*
Element Name	sflow
Element URI	/axapi/v3/visibility/monitor/sflow
Element Attributes	sflow_attributes
Schema	`sflow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitor/sflow

sflow attributes

Get Object

GET

/axapi/v3/visibility/monitor/sflow

sflow attributes

Modify Object

POST

/axapi/v3/visibility/monitor/sflow

sflow attributes

Replace Object

PUT

/axapi/v3/visibility/monitor/sflow

sflow attributes

Delete Object

DELETE

/axapi/v3/visibility/monitor/sflow

sflow attributes

sflow attributes

listening-port

Description sFlow port to receive packets (sFlow port number(default 6343))

Type: number

Range: 1-65535

Default: 6343

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.21 visibility monitored-entity

Display Monitoring entities

monitored-entity Specification

Type	*Configuration Resource*
Element Name	monitored-entity
Element URI	/axapi/v3/visibility/monitored-entity
Element Attributes	monitored-entity_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/oper
Schema	`monitored-entity schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity

monitored-entity attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity

monitored-entity attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity

monitored-entity attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity

monitored-entity attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity

monitored-entity attributes

monitored-entity attributes

detail

Description: detail is a **JSON Block**. Please see below for *detail*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/detail*

mon-topk

Description: mon-topk is a **JSON Block**. Please see below for *mon-topk*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/mon-topk*

secondary

Description: secondary is a **JSON Block**. Please see below for *secondary*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary*

sessions

Description: sessions is a **JSON Block**. Please see below for *sessions*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/sessions*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-topk

Specification	
Type	*object*

sources

Description: sources is a **JSON Block**. Please see below for *mon-topk_sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/mon-topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-topk_sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secondary

Specification	
Type	*object*

mon-topk

Description: mon-topk is a **JSON Block**. Please see below for *secondary_mon-topk*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary/mon-topk*

secondary_mon-topk

Specification	
Type	*object*

sources

Description: sources is a **JSON Block**. Please see below for *secondary_mon-topk_sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secondary_mon-topk_sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sessions

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

detail

Specification	
Type	*object*

debug

Description: debug is a **JSON Block**. Please see below for *detail_debug*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/detail/debug*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

detail_debug

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-keys	flag	all-keys
	mon-entity-list		mon-entity-list
	primary-keys	flag	primary-keys

2.115.22 visibility monitored-entity detail

Display Monitoring entity detail

detail Specification

Type	*Configuration Resource*
Element Name	detail
Element URI	/axapi/v3/visibility/monitored-entity/detail
Element Attributes	detail_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/detail/oper
Schema	`detail schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/detail

detail attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/detail

detail attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/detail

detail attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/detail

detail attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/detail

detail attributes

detail attributes

debug

Description: debug is a **JSON Block**. Please see below for *debug*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/detail/debug*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-keys	flag	all-keys
	mon-entity-list		mon-entity-list
	primary-keys	flag	primary-keys

2.115.23 visibility monitored-entity detail debug

Display Monitoring entity detail

debug Specification

Type	*Configuration Resource*
Element Name	debug
Element URI	/axapi/v3/visibility/monitored-entity/detail/debug
Element Attributes	debug_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/detail/debug/oper
Schema	`debug schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/detail/debug

debug attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/detail/debug

debug attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/detail/debug

debug attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/detail/debug

debug attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/detail/debug

debug attributes

debug attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-keys	flag	all-keys
	mon-entity-list		mon-entity-list
	primary-keys	flag	primary-keys

2.115.24 visibility monitored-entity mon-topk

Display topk Monitoring entities

mon-topk Specification

Type	*Configuration Resource*
Element Name	mon-topk
Element URI	/axapi/v3/visibility/monitored-entity/mon-topk
Element Attributes	mon-topk_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/mon-topk/oper
Schema	`mon-topk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/mon-topk

mon-topk attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/mon-topk

mon-topk attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/mon-topk

mon-topk attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/mon-topk

mon-topk attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/mon-topk

mon-topk attributes

mon-topk attributes

sources

Description: sources is a **JSON Block**. Please see below for *sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/mon-topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	metric-topk-list		metric-topk-list

2.115.25 visibility monitored-entity mon-topk sources

Display topk light weight entities

sources Specification

Type	*Configuration Resource*
Element Name	sources
Element URI	/axapi/v3/visibility/monitored-entity/mon-topk/sources
Element Attributes	sources_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/mon-topk/sources/oper
Schema	`sources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/mon-topk/sources

sources attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/mon-topk/sources

sources attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/mon-topk/sources

sources attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/mon-topk/sources

sources attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/mon-topk/sources

sources attributes

sources attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	l4-proto	string	l4-proto
	ipv4-addr	string	ipv4-addr
	ipv6-addr	string	ipv6-addr
	metric-topk-list		metric-topk-list
	l4-port	number	l4-port

2.115.26 visibility monitored-entity secondary

Display secondary Monitoring entity details

secondary Specification

Type	*Intermediate Resource*
Element Name	secondary
Element URI	/axapi/v3/visibility/monitored-entity/secondary
Element Attributes	secondary_attributes
Schema	`secondary schema`

Operations Allowed:

Get Object

GET

/axapi/v3/visibility/monitored-entity/secondary

secondary_attributes

secondary attributes

mon-topk

Description: mon-topk is a **JSON Block**. Please see below for *mon-topk*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary/mon-topk*

mon-topk

Specification	
Type	*object*

sources

Description: sources is a **JSON Block**. Please see below for *mon-topk_sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-topk_sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.27 visibility monitored-entity secondary mon-topk

Display topk secondary Monitoring entities

mon-topk Specification

Type	*Configuration Resource*
Element Name	mon-topk
Element URI	/axapi/v3/visibility/monitored-entity/secondary/mon-topk
Element Attributes	mon-topk_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/secondary/mon-topk/oper
Schema	`mon-topk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/secondary/mon-topk

mon-topk attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/secondary/mon-topk

mon-topk attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/secondary/mon-topk

mon-topk attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/secondary/mon-topk

mon-topk attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/secondary/mon-topk

mon-topk attributes

mon-topk attributes

sources

Description: sources is a **JSON Block**. Please see below for *sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	l4-proto	string	l4-proto
	ipv4-addr	string	ipv4-addr
	ipv6-addr	string	ipv6-addr
	metric-topk-list		metric-topk-list
	l4-port	number	l4-port

2.115.28 visibility monitored-entity secondary mon-topk sources

Display topk light weight entities

sources Specification

Type	*Configuration Resource*
Element Name	sources
Element URI	/axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources
Element Attributes	sources_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources/oper
Schema	`sources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources

sources attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources

sources attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources

sources attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources

sources attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/secondary/mon-topk/sources

sources attributes

sources attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	l4-proto	string	l4-proto
	ipv4-addr	string	ipv4-addr
	ipv6-addr	string	ipv6-addr
	metric-topk-list		metric-topk-list
	l4-port	number	l4-port

2.115.29 visibility monitored-entity secondary topk

Display topk secondary Monitoring entities

topk Specification

Type	*Configuration Resource*
Element Name	topk
Element URI	/axapi/v3/visibility/monitored-entity/secondary/topk
Element Attributes	topk_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/secondary/topk/oper
Schema	`topk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/secondary/topk

topk attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/secondary/topk

topk attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/secondary/topk

topk attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/secondary/topk

topk attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/secondary/topk

topk attributes

topk attributes

sources

Description: sources is a **JSON Block**. Please see below for *sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/secondary/topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	l4-proto	string	l4-proto
	ipv4-addr	string	ipv4-addr
	ipv6-addr	string	ipv6-addr
	metric-topk-list		metric-topk-list
	l4-port	number	l4-port

2.115.30 visibility monitored-entity secondary topk sources

Display topk light weight entities

sources Specification

Type	*Configuration Resource*
Element Name	sources
Element URI	/axapi/v3/visibility/monitored-entity/secondary/topk/sources
Element Attributes	sources_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/secondary/topk/sources/oper
Schema	`sources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/secondary/topk/sources

sources attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/secondary/topk/sources

sources attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/secondary/topk/sources

sources attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/secondary/topk/sources

sources attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/secondary/topk/sources

sources attributes

sources attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	l4-proto	string	l4-proto
	ipv4-addr	string	ipv4-addr
	ipv6-addr	string	ipv6-addr
	metric-topk-list		metric-topk-list
	l4-port	number	l4-port

2.115.31 visibility monitored-entity sessions

Display Monitoring entity sessions

sessions Specification

Type	*Configuration Resource*
Element Name	sessions
Element URI	/axapi/v3/visibility/monitored-entity/sessions
Element Attributes	sessions_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/sessions/oper
Schema	`sessions schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/sessions

sessions attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/sessions

sessions attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/sessions

sessions attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/sessions

sessions attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/sessions

sessions attributes

sessions attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	mon-entity-list		mon-entity-list

2.115.32 visibility monitored-entity topk

Display topk Monitoring entities

topk Specification

Type	*Configuration Resource*
Element Name	topk
Element URI	/axapi/v3/visibility/monitored-entity/topk
Element Attributes	topk_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/topk/oper
Schema	`topk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/topk

topk attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/topk

topk attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/topk

topk attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/topk

topk attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/topk

topk attributes

topk attributes

sources

Description: sources is a **JSON Block**. Please see below for *sources*

Type: Object

Refernce Object: */axapi/v3/visibility/monitored-entity/topk/sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	metric-topk-list		metric-topk-list

2.115.33 visibility monitored-entity topk sources

Display topk light weight entities

sources Specification

Type	*Configuration Resource*
Element Name	sources
Element URI	/axapi/v3/visibility/monitored-entity/topk/sources
Element Attributes	sources_attributes
Operational Data URI	/axapi/v3/visibility/monitored-entity/topk/sources/oper
Schema	`sources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/monitored-entity/topk/sources

sources attributes

Get Object

GET

/axapi/v3/visibility/monitored-entity/topk/sources

sources attributes

Modify Object

POST

/axapi/v3/visibility/monitored-entity/topk/sources

sources attributes

Replace Object

PUT

/axapi/v3/visibility/monitored-entity/topk/sources

sources attributes

Delete Object

DELETE

/axapi/v3/visibility/monitored-entity/topk/sources

sources attributes

sources attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	l4-proto	string	l4-proto
	ipv4-addr	string	ipv4-addr
	ipv6-addr	string	ipv6-addr
	metric-topk-list		metric-topk-list
	l4-port	number	l4-port

2.115.34 visibility packet-capture

Configure automated packet capture

packet-capture Specification

Type	*Configuration Resource*
Element Name	packet-capture
Element URI	/axapi/v3/visibility/packet-capture
Element Attributes	packet-capture_attributes
Statistics Data URI	/axapi/v3/visibility/packet-capture/stats
Operational Data URI	/axapi/v3/visibility/packet-capture/oper
Schema	`packet-capture schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture

packet-capture attributes

Get Object

GET

/axapi/v3/visibility/packet-capture

packet-capture attributes

Modify Object

POST

/axapi/v3/visibility/packet-capture

packet-capture attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture

packet-capture attributes

Delete Object

DELETE

/axapi/v3/visibility/packet-capture

packet-capture attributes

packet-capture attributes

automated-captures

Description: automated-captures is a **JSON Block**. Please see below for *automated-captures*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/automated-captures*

capture-config-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config/{name}*

delete-packet-capture-file

Description: delete-packet-capture-file is a **JSON Block**. Please see below for *delete-packet-capture-file*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/delete-packet-capture-file*

global-templates

Description: global-templates is a **JSON Block**. Please see below for *global-templates*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates*

object-templates

Description: object-templates is a **JSON Block**. Please see below for *object-templates*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

automated-captures

Specification	
Type	*object*

slb_port_tmpl_error_code_return_inc

Description Trigger capture when there is 3xx or 4xx or 5xx responses from server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb_port_tmpl_high_error_code_return

Description Trigger capture when there is high number of 3xx or 4xx or 5xx responses from server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates

Specification	
Type	*object*

aam-aaa-policy-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}*

aam-auth-captcha-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}*

aam-auth-logon-http-ins-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}*

aam-auth-relay-form-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}*

aam-auth-relay-hbase-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}*

aam-auth-relay-ntlm-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}*

aam-auth-saml-id-prov-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}*

aam-auth-saml-service-prov-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}*

aam-auth-server-ldap-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}*

aam-auth-server-ocsp-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}*

aam-auth-server-rad-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}*

aam-auth-server-win-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}*

aam-auth-service-group-mem-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}*

aam-auth-service-group-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}*

aam-jwt-authorization-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}*

cgnv6-encap-domain-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}*

cgnv6-map-trans-domain-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}*

dns_vport-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-server-port-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}*

fw-service-group-mem-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}*

fw-service-group-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}*

interface-ethernet-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}*

rule-set-rule-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}*

rule-set-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}*

slb-port-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}*

slb-tmpl-cache-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}*

slb-vport-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}*

tmpl-gtp-plcy-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-ldap-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw_change_failure

Description Enable automatic packet-capture for Password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-ldap-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

pw_change_failure

Description Enable automatic packet-capture for Password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-ntlm-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

buffer-alloc-fail

Description Enable automatic packet-capture for Buffer Allocation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encoding-fail

Description Enable automatic packet-capture for Encoding Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-header-fail

Description Enable automatic packet-capture for Insert Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internal-error

Description Enable automatic packet-capture for Internal Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-header-fail

Description Enable automatic packet-capture for Parse Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-ntlm-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

buffer-alloc-fail

Description Enable automatic packet-capture for Buffer Allocation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

encoding-fail

Description Enable automatic packet-capture for Encoding Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-header-fail

Description Enable automatic packet-capture for Insert Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internal-error

Description Enable automatic packet-capture for Internal Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-header-fail

Description Enable automatic packet-capture for Parse Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-jwt-authorization-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

jwt-authorize-failure

Description Enable automatic packet-capture for JWT Authorize Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-claim

Description Enable automatic packet-capture for JWT Missing Claim

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-token

Description Enable automatic packet-capture for JWT Missing Token

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-signature-failure

Description Enable automatic packet-capture for JWT Signature Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-token-expired

Description Enable automatic packet-capture for JWT Token Expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-jwt-authorization-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

jwt-authorize-failure

Description Enable automatic packet-capture for JWT Authorize Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-claim

Description Enable automatic packet-capture for JWT Missing Claim

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-token

Description Enable automatic packet-capture for JWT Missing Token

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-signature-failure

Description Enable automatic packet-capture for JWT Signature Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-token-expired

Description Enable automatic packet-capture for JWT Token Expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-rad-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

timeout_error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-rad-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout_error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-service-group-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-service-group-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-service-group-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-service-group-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-service-group-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-service-group-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server_selection_fail_drop

Description Enable automatic packet-capture for Drops due to Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Resets sent out for Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-service-group-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server_selection_fail_drop

Description Enable automatic packet-capture for Drops due to Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Resets sent out for Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-server-port-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_fw-server-port-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_fw-server-port-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_fw-server-port-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-server-port-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-server-port-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_invalid_http

Description Enable automatic packet-capture for Total non-http response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-server-port-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_invalid_http

Description Enable automatic packet-capture for Total non-http response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_dns_vport-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_dns_vport-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_dns_vport-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_dns_vport-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_dns_vport-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_dns_vport-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

dns_filter_class_any_drop

Description Enable automatic packet-capture for counters DNS Filter Class ANY Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_chaos_drop

Description Enable automatic packet-capture for counters DNS Filter Class CHAOS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_hesiod_drop

Description Enable automatic packet-capture for counters DNS Filter Class HESIOD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_internet_drop

Description Enable automatic packet-capture for counters DNS Filter Class INTERNET Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_none_drop

Description Enable automatic packet-capture for counters DNS Filter Class NONE Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_others_drop

Description Enable automatic packet-capture for counters DNS Filter Class OTHER Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_a_drop

Description Enable automatic packet-capture for counters DNS Filter Type A Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_aaaa_drop

Description Enable automatic packet-capture for counters DNS Filter Type AAAA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_any_drop

Description Enable automatic packet-capture for counters DNS Filter Type Any Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_cname_drop

Description Enable automatic packet-capture for counters DNS Filter Type CNAME Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_mx_drop

Description Enable automatic packet-capture for counters DNS Filter Type MX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ns_drop

Description Enable automatic packet-capture for counters DNS Filter Type NS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_others_drop

Description Enable automatic packet-capture for counters DNS Filter Type OTHERS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ptr_drop

Description Enable automatic packet-capture for counters DNS Filter Type PTR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_soa_drop

Description Enable automatic packet-capture for counters DNS Filter Type SOA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_srv_drop

Description Enable automatic packet-capture for counters DNS Filter Type SRV Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_txt_drop

Description Enable automatic packet-capture for counters DNS Filter Type TXT Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_rpz_action_drop

Description Enable automatic packet-capture for DNS RPZ Action Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for dns rrl drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_query_bad

Description Enable automatic packet-capture for gslb query bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_response_bad

Description Enable automatic packet-capture for gslb response bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_class_drop

Description Enable automatic packet-capture for counters Total DNS Filter Class Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_type_drop

Description Enable automatic packet-capture for counters Total DNS Filter Type Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_filter_drop

Description Enable automatic packet-capture for query filter drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_max_query_len_drop

Description Enable automatic packet-capture for query too long drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_dns_vport-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

dns_filter_class_any_drop

Description Enable automatic packet-capture for counters DNS Filter Class ANY Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_chaos_drop

Description Enable automatic packet-capture for counters DNS Filter Class CHAOS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_hesiod_drop

Description Enable automatic packet-capture for counters DNS Filter Class HESIOD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_internet_drop

Description Enable automatic packet-capture for counters DNS Filter Class INTERNET Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_none_drop

Description Enable automatic packet-capture for counters DNS Filter Class NONE Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_others_drop

Description Enable automatic packet-capture for counters DNS Filter Class OTHER Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_a_drop

Description Enable automatic packet-capture for counters DNS Filter Type A Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_aaaa_drop

Description Enable automatic packet-capture for counters DNS Filter Type AAAA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_any_drop

Description Enable automatic packet-capture for counters DNS Filter Type Any Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_cname_drop

Description Enable automatic packet-capture for counters DNS Filter Type CNAME Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_mx_drop

Description Enable automatic packet-capture for counters DNS Filter Type MX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ns_drop

Description Enable automatic packet-capture for counters DNS Filter Type NS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_others_drop

Description Enable automatic packet-capture for counters DNS Filter Type OTHERS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ptr_drop

Description Enable automatic packet-capture for counters DNS Filter Type PTR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_soa_drop

Description Enable automatic packet-capture for counters DNS Filter Type SOA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_srv_drop

Description Enable automatic packet-capture for counters DNS Filter Type SRV Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_txt_drop

Description Enable automatic packet-capture for counters DNS Filter Type TXT Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_rpz_action_drop

Description Enable automatic packet-capture for DNS RPZ Action Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for dns rrl drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

gslb_query_bad

Description Enable automatic packet-capture for gslb query bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_response_bad

Description Enable automatic packet-capture for gslb response bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

total_dns_filter_class_drop

Description Enable automatic packet-capture for counters Total DNS Filter Class Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_type_drop

Description Enable automatic packet-capture for counters Total DNS Filter Type Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_filter_drop

Description Enable automatic packet-capture for query filter drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_max_query_len_drop

Description Enable automatic packet-capture for query too long drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-service-group-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_fw-service-group-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_fw-service-group-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_fw-service-group-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-service-group-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-service-group-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server_selection_fail_drop

Description Enable automatic packet-capture for Service selection fail drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Service selection fail reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-service-group-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server_selection_fail_drop

Description Enable automatic packet-capture for Service selection fail drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Service selection fail reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_cgnv6-map-trans-domain-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_cgnv6-map-trans-domain-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-hbase-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server-error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unavailable

Description Enable automatic packet-capture for Service Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server-error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unavailable

Description Enable automatic packet-capture for Service Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-aaa-policy-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-aaa-policy-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-aaa-policy-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-aaa-policy-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-aaa-policy-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-aaa-policy-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

error

Description Enable automatic packet-capture for Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-aaa-policy-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

error

Description Enable automatic packet-capture for Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-win-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

krb_pw_expiry

Description Enable automatic packet-capture for Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

krb_timeout_error

Description Enable automatic packet-capture for Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_prepare_req_error

Description Enable automatic packet-capture for NTLM Prepare Request Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_proto_nego_failure

Description Enable automatic packet-capture for NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_session_setup_failure

Description Enable automatic packet-capture for NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_timeout_error

Description Enable automatic packet-capture for NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-win-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

krb_pw_expiry

Description Enable automatic packet-capture for Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

krb_timeout_error

Description Enable automatic packet-capture for Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_prepare_req_error

Description Enable automatic packet-capture for NTLM Prepare Request Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_proto_nego_failure

Description Enable automatic packet-capture for NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_session_setup_failure

Description Enable automatic packet-capture for NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_timeout_error

Description Enable automatic packet-capture for NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-logon-http-ins-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

spn_krb_faiure

Description Enable automatic packet-capture for SPN Kerberos Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-logon-http-ins-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

spn_krb_faiure

Description Enable automatic packet-capture for SPN Kerberos Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-captcha-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attibute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-fail

Description Enable automatic packet-capture for Total JSON Response Parse Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-captcha-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attibute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-fail

Description Enable automatic packet-capture for Total JSON Response Parse Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-service-group-mem-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-service-group-mem-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-tmpl-cache-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

header_save_error

Description Enable automatic packet-capture for header_save_error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_req_header

Description Enable automatic packet-capture for nc_req_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_res_header

Description Enable automatic packet-capture for nc_res_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-tmpl-cache-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

header_save_error

Description Enable automatic packet-capture for header_save_error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_req_header

Description Enable automatic packet-capture for nc_req_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_res_header

Description Enable automatic packet-capture for nc_res_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_tmpl-gtp-plcy-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

drop-flt-apn-filtering

Description Enable automatic packet-capture for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Enable automatic packet-capture for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Enable automatic packet-capture for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Enable automatic packet-capture for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Enable automatic packet-capture for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv0-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv1-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv2-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Create Session Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Enable automatic packet-capture for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Enable automatic packet-capture for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Enable automatic packet-capture for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-ie-repeat-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP repeated IE count exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Enable automatic packet-capture for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv0-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-message-length-mismat

Description Enable automatic packet-capture for GTPv0-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv1-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-message-length-mismat

Description Enable automatic packet-capture for GTPv1-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv2-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-message-length-mismat

Description Enable automatic packet-capture for GTPv2-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Enable automatic packet-capture for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Enable automatic packet-capture for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Enable automatic packet-capture for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Enable automatic packet-capture for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-ie-in-grouped-ie

Description Enable automatic packet-capture for Validation Drop: Mandatory IE in Grouped IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Enable automatic packet-capture for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Enable automatic packet-capture for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Enable automatic packet-capture for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Enable automatic packet-capture for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Enable automatic packet-capture for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Enable automatic packet-capture for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Enable automatic packet-capture for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Enable automatic packet-capture for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v0-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v1-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v2-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Create Session Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Enable automatic packet-capture for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Enable automatic packet-capture for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v0-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv0-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v1-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v2-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Enable automatic packet-capture for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_tmpl-gtp-plcy-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

drop-flt-apn-filtering

Description Enable automatic packet-capture for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Enable automatic packet-capture for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Enable automatic packet-capture for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Enable automatic packet-capture for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Enable automatic packet-capture for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv0-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv1-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv2-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Create Session Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Enable automatic packet-capture for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Enable automatic packet-capture for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Enable automatic packet-capture for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-ie-repeat-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP repeated IE count exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Enable automatic packet-capture for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv0-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-message-length-mismat

Description Enable automatic packet-capture for GTPv0-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv1-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-message-length-mismat

Description Enable automatic packet-capture for GTPv1-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv2-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-message-length-mismat

Description Enable automatic packet-capture for GTPv2-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Enable automatic packet-capture for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Enable automatic packet-capture for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Enable automatic packet-capture for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Enable automatic packet-capture for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-ie-in-grouped-ie

Description Enable automatic packet-capture for Validation Drop: Mandatory IE in Grouped IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Enable automatic packet-capture for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Enable automatic packet-capture for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Enable automatic packet-capture for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Enable automatic packet-capture for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Enable automatic packet-capture for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Enable automatic packet-capture for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Enable automatic packet-capture for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Enable automatic packet-capture for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v0-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v1-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v2-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Create Session Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Enable automatic packet-capture for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Enable automatic packet-capture for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v0-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv0-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v1-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v2-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Enable automatic packet-capture for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-service-group-mem-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_fw-service-group-mem-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_fw-service-group-mem-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_fw-service-group-mem-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-service-group-mem-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-service-group-mem-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_fw-service-group-mem-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-port-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_slb-port-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_slb-port-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_slb-port-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-port-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-port-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

es_resp_300

Description Enable automatic packet-capture for Response status 300

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-3xx

Description Enable automatic packet-capture for Response status 3xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-4xx

Description Enable automatic packet-capture for Response status 4xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-5xx

Description Enable automatic packet-capture for Response status 5xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-port-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_resp_300

Description Enable automatic packet-capture for Response status 300

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-3xx

Description Enable automatic packet-capture for Response status 3xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-4xx

Description Enable automatic packet-capture for Response status 4xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-5xx

Description Enable automatic packet-capture for Response status 5xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-saml-service-prov-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-saml-service-prov-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-vport-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_slb-vport-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_slb-vport-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_slb-vport-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-vport-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-vport-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

dnsrrl_total_dropped

Description Enable automatic packet-capture for DNS Response-Rate-Limiting Total Responses Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_total_failure_actions

Description Enable automatic packet-capture for Total failure actions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_mf_dns_pkts

Description Enable automatic packet-capture for Total MF DNS packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_slb-vport-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

dnsrrl_total_dropped

Description Enable automatic packet-capture for DNS Response-Rate-Limiting Total Responses Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_total_failure_actions

Description Enable automatic packet-capture for Total failure actions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

total_mf_dns_pkts

Description Enable automatic packet-capture for Total MF DNS packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-saml-id-prov-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

acs-fail

Description Enable automatic packet-capture for ACS Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

md-fail

Description Enable automatic packet-capture for Metadata Update Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-saml-id-prov-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

acs-fail

Description Enable automatic packet-capture for ACS Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

md-fail

Description Enable automatic packet-capture for Metadata Update Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-form-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

bad_req

Description Enable automatic packet-capture for Bad Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_cred

Description Enable automatic packet-capture for Invalid Credential

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_srv_rsp

Description Enable automatic packet-capture for Invalid Server Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not_fnd

Description Enable automatic packet-capture for Not Found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other_error

Description Enable automatic packet-capture for Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post_fail

Description Enable automatic packet-capture for POST Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-relay-form-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

bad_req

Description Enable automatic packet-capture for Bad Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_cred

Description Enable automatic packet-capture for Invalid Credential

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_srv_rsp

Description Enable automatic packet-capture for Invalid Server Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not_fnd

Description Enable automatic packet-capture for Not Found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other_error

Description Enable automatic packet-capture for Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post_fail

Description Enable automatic packet-capture for POST Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_rule-set-rule-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_rule-set-rule-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_rule-set-rule-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_rule-set-rule-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_rule-set-rule-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_rule-set-rule-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

deny-packets

Description Enable automatic packet-capture for Denied packets counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_rule-set-rule-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

deny-packets

Description Enable automatic packet-capture for Denied packets counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_cgnv6-encap-domain-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_cgnv6-encap-domain-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_interface-ethernet-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_interface-ethernet-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_interface-ethernet-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_interface-ethernet-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_interface-ethernet-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_interface-ethernet-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

collisions

Description Enable automatic packet-capture for Collisions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crc

Description Enable automatic packet-capture for CRC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

giants_output

Description Enable automatic packet-capture for Output Giants

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

input_errors

Description Enable automatic packet-capture for Input errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

output_errors

Description Enable automatic packet-capture for Output errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runts

Description Enable automatic packet-capture for Runts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_interface-ethernet-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

collisions

Description Enable automatic packet-capture for Collisions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crc

Description Enable automatic packet-capture for CRC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

giants_output

Description Enable automatic packet-capture for Output Giants

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

input_errors

Description Enable automatic packet-capture for Input errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

output_errors

Description Enable automatic packet-capture for Output errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runts

Description Enable automatic packet-capture for Runts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_rule-set-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_rule-set-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_rule-set-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_rule-set-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_rule-set-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_rule-set-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

deny

Description Enable automatic packet-capture for Denied counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unmatched-drops

Description Enable automatic packet-capture for Unmatched drops counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_rule-set-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

deny

Description Enable automatic packet-capture for Denied counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unmatched-drops

Description Enable automatic packet-capture for Unmatched drops counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-ocsp-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-timeout

Description Enable automatic packet-capture for OCSP Stapling Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-templates_aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-timeout

Description Enable automatic packet-capture for OCSP Stapling Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

delete-packet-capture-file

Specification	
Type	*object*

all

Description Delete all files in this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-name

Description Specify the name of the packet capture file to be deleted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

global-templates

Specification	
Type	*object*

activate

Description: activate is a **JSON Block**. Please see below for *global-templates_activate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/activate*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_activate

Specification	
Type	*object*

template

Description Name of the global templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change

Description: trigger-sys-obj-stats-change is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change*

trigger-sys-obj-stats-severity

Description: trigger-sys-obj-stats-severity is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change

Specification	
Type	*object*

aam-auth-account

Description: aam-auth-account is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account*

aam-auth-captcha

Description: aam-auth-captcha is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha*

aam-auth-relay-kerberos

Description: aam-auth-relay-kerberos is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos*

aam-auth-saml-global

Description: aam-auth-saml-global is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global*

aam-auth-server-ldap

Description: aam-auth-server-ldap is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap*

aam-auth-server-ocsp

Description: aam-auth-server-ocsp is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp*

aam-auth-server-radius

Description: aam-auth-server-radius is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius*

aam-auth-server-win

Description: aam-auth-server-win is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win*

aam-authentication-global

Description: aam-authentication-global is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global*

cgnv6-ddos-proc

Description: cgnv6-ddos-proc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc*

cgnv6-dhcpv6

Description: cgnv6-dhcpv6 is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6*

cgnv6-dns64

Description: cgnv6-dns64 is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64*

cgnv6-ds-lite-global

Description: cgnv6-ds-lite-global is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global*

cgnv6-http-alg

Description: cgnv6-http-alg is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg*

cgnv6-icmp

Description: cgnv6-icmp is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp*

cgnv6-l4

Description: cgnv6-l4 is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4*

cgnv6-logging

Description: cgnv6-logging is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging*

cgnv6-lsn

Description: cgnv6-lsn is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn*

cgnv6-lsn-alg-h323

Description: cgnv6-lsn-alg-h323 is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323*

cgnv6-lsn-alg-mgcp

Description: cgnv6-lsn-alg-mgcp is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp*

cgnv6-lsn-alg-sip

Description: cgnv6-lsn-alg-sip is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip*

cgnv6-lsn-radius

Description: cgnv6-lsn-radius is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius*

cgnv6-nat64-global

Description: cgnv6-nat64-global is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global*

cgnv6-pcp

Description: cgnv6-pcp is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-alg-rtsp

Description: fw-alg-rtsp is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp*

fw-ddos-protection

Description: fw-ddos-protection is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection*

fw-global

Description: fw-global is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global*

fw-gtp

Description: fw-gtp is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp*

fw-logging

Description: fw-logging is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-logging*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging*

fw-logging-gtp

Description: fw-logging-gtp is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp*

fw-rad-server

Description: fw-rad-server is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server*

fw-tcp-syn-cookie

Description: fw-tcp-syn-cookie is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie*

ip-anomaly-drop

Description: ip-anomaly-drop is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop*

logging-local-log-global

Description: logging-local-log-global is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global*

slb-crl-srcip

Description: slb-crl-srcip is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip*

slb-fix

Description: slb-fix is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-fix*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix*

slb-ftp-proxy

Description: slb-ftp-proxy is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy*

slb-generic

Description: slb-generic is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-generic*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic*

slb-http2

Description: slb-http2 is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-http2*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2*

slb-hw-compress

Description: slb-hw-compress is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress*

slb-icap

Description: slb-icap is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-icap*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap*

slb-imap-proxy

Description: slb-imap-proxy is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy*

slb-l4

Description: slb-l4 is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-l4*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4*

slb-link-probe

Description: slb-link-probe is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe*

slb-mqtt

Description: slb-mqtt is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt*

slb-mssql

Description: slb-mssql is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql*

slb-pop3-proxy

Description: slb-pop3-proxy is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy*

slb-rc-cache

Description: slb-rc-cache is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache*

slb-smtp

Description: slb-smtp is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp*

slb-spdy-proxy

Description: slb-spdy-proxy is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy*

slb-ssl-cert-revoke

Description: slb-ssl-cert-revoke is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke*

slb-ssl-forward-proxy

Description: slb-ssl-forward-proxy is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy*

slb-switch

Description: slb-switch is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-switch*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch*

so-counters

Description: so-counters is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_so-counters*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters*

system-dpdk-stats

Description: system-dpdk-stats is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats*

system-fpga-drop

Description: system-fpga-drop is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop*

system-hardware-forward

Description: system-hardware-forward is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward*

system-radius-server

Description: system-radius-server is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-inc

Specification	
Type	*object*

46-known-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-no-prefix-for-ipv4

Description Enable automatic packet-capture for NAT64 Reverse No Prefix Match for IPv4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-unknown-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-known-drop

Description Enable automatic packet-capture for NAT64 Forward Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-midpoint-hop

Description Enable automatic packet-capture for NAT64 Forward Unknown Source Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-unknown-drop

Description Enable automatic packet-capture for NAT64 Forward Unknown ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMP Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-port-info

Description Enable automatic packet-capture for ICMP Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-session-drop

Description Enable automatic packet-capture for ICMP No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp

Description Enable automatic packet-capture for ICMP to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp-err

Description Enable automatic packet-capture for ICMP to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6-err

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-unknown-type

Description Enable automatic packet-capture for ICMP Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMPv6 Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-port-info

Description Enable automatic packet-capture for ICMPv6 Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-session-drop

Description Enable automatic packet-capture for ICMPv6 No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp-err

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6-err

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-unknown-type

Description Enable automatic packet-capture for ICMPv6 Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-rate

Specification	
Type	*object*

46-known-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-no-prefix-for-ipv4

Description Enable automatic packet-capture for NAT64 Reverse No Prefix Match for IPv4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-unknown-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-known-drop

Description Enable automatic packet-capture for NAT64 Forward Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-midpoint-hop

Description Enable automatic packet-capture for NAT64 Forward Unknown Source Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-unknown-drop

Description Enable automatic packet-capture for NAT64 Forward Unknown ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

icmp-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMP Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-port-info

Description Enable automatic packet-capture for ICMP Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-session-drop

Description Enable automatic packet-capture for ICMP No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp

Description Enable automatic packet-capture for ICMP to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp-err

Description Enable automatic packet-capture for ICMP to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6-err

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-unknown-type

Description Enable automatic packet-capture for ICMP Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMPv6 Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-port-info

Description Enable automatic packet-capture for ICMPv6 Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-session-drop

Description Enable automatic packet-capture for ICMPv6 No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp-err

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6-err

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-unknown-type

Description Enable automatic packet-capture for ICMPv6 Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-inc

Specification	
Type	*object*

l4-process-error

Description Enable automatic packet-capture for L3/L4 Process Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

noroute-drop

Description Enable automatic packet-capture for Response No Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-not-request-drop

Description Enable automatic packet-capture for Packet Not a PCP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-too-short-drop

Description Enable automatic packet-capture for Packet Too Short

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsol_ance_sent_fail

Description Enable automatic packet-capture for Unsolicited Announce Send Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-version

Description Enable automatic packet-capture for Unsupported PCP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

l4-process-error

Description Enable automatic packet-capture for L3/L4 Process Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

noroute-drop

Description Enable automatic packet-capture for Response No Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-not-request-drop

Description Enable automatic packet-capture for Packet Not a PCP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-too-short-drop

Description Enable automatic packet-capture for Packet Too Short

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

unsol_ance_sent_fail

Description Enable automatic packet-capture for Unsolicited Announce Send Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-version

Description Enable automatic packet-capture for Unsupported PCP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-inc

Specification	
Type	*object*

hw-fwd-ageout-drop-count

Description Enable automatic packet-capture for hardware forward ageout drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-drop-count

Description Enable automatic packet-capture for hardware forward flow drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-error-count

Description Enable automatic packet-capture for hardware forward flow error count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-qdr-full-drop

Description Enable automatic packet-capture for hardware forward flow qdr full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-seq-mismatch

Description Enable automatic packet-capture for hardware forward sequence mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-singlebit-errors

Description Enable automatic packet-capture for hardware forward singlebit Errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tag-mismatch

Description Enable automatic packet-capture for hardware forward tag mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tx-full-drop

Description Enable automatic packet-capture for hardware forward flow tx full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-unalign-count

Description Enable automatic packet-capture for hardware forward flow unalign count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-underflow-count

Description Enable automatic packet-capture for hardware forward flow underflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-invalidation-drop

Description Enable automatic packet-capture for hardware forward invalid drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-phyport-mismatch-drop

Description Enable automatic packet-capture for hardware forward phyport mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-protocol-mismatch-drop

Description Enable automatic packet-capture for hardware forward protocol mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vlanid-mismatch-drop

Description Enable automatic packet-capture for hardware forward vlanid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vmid-drop

Description Enable automatic packet-capture for hardware forward vmid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

hw-fwd-ageout-drop-count

Description Enable automatic packet-capture for hardware forward ageout drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-drop-count

Description Enable automatic packet-capture for hardware forward flow drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-error-count

Description Enable automatic packet-capture for hardware forward flow error count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-qdr-full-drop

Description Enable automatic packet-capture for hardware forward flow qdr full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-seq-mismatch

Description Enable automatic packet-capture for hardware forward sequence mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-singlebit-errors

Description Enable automatic packet-capture for hardware forward singlebit Errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tag-mismatch

Description Enable automatic packet-capture for hardware forward tag mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tx-full-drop

Description Enable automatic packet-capture for hardware forward flow tx full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-unalign-count

Description Enable automatic packet-capture for hardware forward flow unalign count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-underflow-count

Description Enable automatic packet-capture for hardware forward flow underflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-invalidation-drop

Description Enable automatic packet-capture for hardware forward invalid drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-phyport-mismatch-drop

Description Enable automatic packet-capture for hardware forward phyport mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-protocol-mismatch-drop

Description Enable automatic packet-capture for hardware forward protocol mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vlanid-mismatch-drop

Description Enable automatic packet-capture for hardware forward vlanid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vmid-drop

Description Enable automatic packet-capture for hardware forward vmid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-inc

Specification	
Type	*object*

client_id_null

Description Enable automatic packet-capture for Null client id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_null

Description Enable automatic packet-capture for Null conn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insertion_failed

Description Enable automatic packet-capture for Insertion failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_connect_fail

Description Enable automatic packet-capture for Parse connect failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_publish_fail

Description Enable automatic packet-capture for Parse publish failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_subscribe_fail

Description Enable automatic packet-capture for Parse subscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_unsubscribe_fail

Description Enable automatic packet-capture for Parse unsubscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session_exist

Description Enable automatic packet-capture for Session already exist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_already_linked

Description Enable automatic packet-capture for tuple-already-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_not_linked

Description Enable automatic packet-capture for tuple-not-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-rate

Specification	
Type	*object*

client_id_null

Description Enable automatic packet-capture for Null client id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_null

Description Enable automatic packet-capture for Null conn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insertion_failed

Description Enable automatic packet-capture for Insertion failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_connect_fail

Description Enable automatic packet-capture for Parse connect failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_publish_fail

Description Enable automatic packet-capture for Parse publish failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_subscribe_fail

Description Enable automatic packet-capture for Parse subscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_unsubscribe_fail

Description Enable automatic packet-capture for Parse unsubscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session_exist

Description Enable automatic packet-capture for Session already exist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tuple_already_linked

Description Enable automatic packet-capture for tuple-already-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_not_linked

Description Enable automatic packet-capture for tuple-not-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-inc

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-rate

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-inc

Specification	
Type	*object*

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-fix

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-inc

Specification	
Type	*object*

noroute

Description Enable automatic packet-capture for No route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

noroute

Description Enable automatic packet-capture for No route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-icap

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-inc

Specification	
Type	*object*

app_serv_conn_no_pcb_err

Description Enable automatic packet-capture for App Server Conn no ES PCB Err Stats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-rate

Specification	
Type	*object*

app_serv_conn_no_pcb_err

Description Enable automatic packet-capture for App Server Conn no ES PCB Err Stats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-inc

Specification	
Type	*object*

connections-failed

Description Enable automatic packet-capture for Connections failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-signing

Description Enable automatic packet-capture for Failed in Certificate signing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-verification

Description Enable automatic packet-capture for Failed in Certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-crypto-operations

Description Enable automatic packet-capture for Failed in crypto operations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-ssl-handshakes

Description Enable automatic packet-capture for Failed in SSL handshakes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-tcp

Description Enable automatic packet-capture for Failed in TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-ocsp-stapling-response

Description Enable automatic packet-capture for Invalid OCSP Stapling Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

revoked-ocsp-response

Description Enable automatic packet-capture for Revoked OCSP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-ssl-version

Description Enable automatic packet-capture for Unsupported SSL version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-rate

Specification	
Type	*object*

connections-failed

Description Enable automatic packet-capture for Connections failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

failed-in-certificate-signing

Description Enable automatic packet-capture for Failed in Certificate signing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-verification

Description Enable automatic packet-capture for Failed in Certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-crypto-operations

Description Enable automatic packet-capture for Failed in crypto operations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-ssl-handshakes

Description Enable automatic packet-capture for Failed in SSL handshakes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-tcp

Description Enable automatic packet-capture for Failed in TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-ocsp-stapling-response

Description Enable automatic packet-capture for Invalid OCSP Stapling Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

revoked-ocsp-response

Description Enable automatic packet-capture for Revoked OCSP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

unsupported-ssl-version

Description Enable automatic packet-capture for Unsupported SSL version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-inc

Specification	
Type	*object*

drop-gtp-bearer-not-found-in-resp

Description Enable automatic packet-capture for GTP Bearer not found in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-frag-or-jumbo-pkt

Description Enable automatic packet-capture for GTP Fragmented or JUMBO packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-missing-cond-ie-bearer-ctx

Description Enable automatic packet-capture for Missing conditional IE in bearer context Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTP Echo IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-out-of-state-

Description Enable automatic packet-capture for GTP Echo Out of State Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-c-handover-request-out-of-state-dro

Description Enable automatic packet-capture for GTP-C Handover Request Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-entry-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-smp-create-failure

Description Enable automatic packet-capture for GTP Rate Limit SMP Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-t3-ctr-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Dynamic Counters Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rr-message-drop

Description Enable automatic packet-capture for GTP Message Dropped in RR Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-tunnel-rate-limit-entry-create-fail

Description Enable automatic packet-capture for GTP Tunnel Level Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-out-of-state-drop

Description Enable automatic packet-capture for GTP-U Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-nsapi-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv1-C NSAPI Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-res

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Tunnel Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-rate

Specification	
Type	*object*

drop-gtp-bearer-not-found-in-resp

Description Enable automatic packet-capture for GTP Bearer not found in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-frag-or-jumbo-pkt

Description Enable automatic packet-capture for GTP Fragmented or JUMBO packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-missing-cond-ie-bearer-ctx

Description Enable automatic packet-capture for Missing conditional IE in bearer context Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTP Echo IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-out-of-state-

Description Enable automatic packet-capture for GTP Echo Out of State Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

gtp-c-handover-request-out-of-state-dro

Description Enable automatic packet-capture for GTP-C Handover Request Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-entry-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-smp-create-failure

Description Enable automatic packet-capture for GTP Rate Limit SMP Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-t3-ctr-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Dynamic Counters Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rr-message-drop

Description Enable automatic packet-capture for GTP Message Dropped in RR Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-tunnel-rate-limit-entry-create-fail

Description Enable automatic packet-capture for GTP Tunnel Level Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-out-of-state-drop

Description Enable automatic packet-capture for GTP-U Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-nsapi-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv1-C NSAPI Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-res

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Tunnel Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout_error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout_error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_so-counters

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-inc

Specification	
Type	*object*

so_pkts_dest_mac_mistmatch_drop

Description Enable automatic packet-capture for Destination MAC Mistmatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_dropped

Description Enable automatic packet-capture for Total packets dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_dest_mac_zero_drop

Description Enable automatic packet-capture for Destination MAC Address zero Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_interface_not_up

Description Enable automatic packet-capture for L2redirect Intf is not UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_invalid_redirect_inf

Description Enable automatic packet-capture for Redirect Table Error due to invalid redirect info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_chassis_dest_mac_er

Description Enable automatic packet-capture for L3 Redirect RX multi-slot Destination MAC Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_non_ipv4_vxla

Description Enable automatic packet-capture for L3 Redirect received non ipv4 VXLAN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_rx_encap_para

Description Enable automatic packet-capture for L3 Redirect decap Rx encap params error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_vlan_sanity_d

Description Enable automatic packet-capture for L3 Redirect Decap VLAN Sanity Drop during receipt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_error_drop

Description Enable automatic packet-capture for L3 Redirect encap error drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv4_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect ipv4 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv6_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_fragmentation_error

Description Enable automatic packet-capture for L3 redirect encap Fragmentation error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_inner_mac_zero_drop

Description Enable automatic packet-capture for L3 Redirect inner mac zero drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_invalid_dev_dir

Description Enable automatic packet-capture for L3 Redirect Invalid Device direction during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_rcvd_in_l2_mode_dro

Description Enable automatic packet-capture for Recevied l3 redirect packets in L2 mode Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_error

Description Enable automatic packet-capture for L3 Redirect Table error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_no_entry_foun

Description Enable automatic packet-capture for L3 redirect Table no redirect entry found error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_too_large_pkts_in_d

Description Enable automatic packet-capture for Received L3 Redirected fragmented packets too large

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_scaleout_not_active_drop

Description Enable automatic packet-capture for Scaleout Not Active Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_release_fail

Description Enable automatic packet-capture for Total SLB NAT release failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_reserve_fail

Description Enable automatic packet-capture for Total SLB NAT reserve failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_traffic_map_not_found_drop

Description Enable automatic packet-capture for Traffic MAP Not Found Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

so_pkts_dest_mac_mistmatch_drop

Description Enable automatic packet-capture for Destination MAC Mistmatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_dropped

Description Enable automatic packet-capture for Total packets dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_dest_mac_zero_drop

Description Enable automatic packet-capture for Destination MAC Address zero Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_interface_not_up

Description Enable automatic packet-capture for L2redirect Intf is not UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_invalid_redirect_inf

Description Enable automatic packet-capture for Redirect Table Error due to invalid redirect info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_chassis_dest_mac_er

Description Enable automatic packet-capture for L3 Redirect RX multi-slot Destination MAC Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_non_ipv4_vxla

Description Enable automatic packet-capture for L3 Redirect received non ipv4 VXLAN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_rx_encap_para

Description Enable automatic packet-capture for L3 Redirect decap Rx encap params error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_vlan_sanity_d

Description Enable automatic packet-capture for L3 Redirect Decap VLAN Sanity Drop during receipt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_error_drop

Description Enable automatic packet-capture for L3 Redirect encap error drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv4_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect ipv4 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv6_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_fragmentation_error

Description Enable automatic packet-capture for L3 redirect encap Fragmentation error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_inner_mac_zero_drop

Description Enable automatic packet-capture for L3 Redirect inner mac zero drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_invalid_dev_dir

Description Enable automatic packet-capture for L3 Redirect Invalid Device direction during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_rcvd_in_l2_mode_dro

Description Enable automatic packet-capture for Recevied l3 redirect packets in L2 mode Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_error

Description Enable automatic packet-capture for L3 Redirect Table error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_no_entry_foun

Description Enable automatic packet-capture for L3 redirect Table no redirect entry found error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_too_large_pkts_in_d

Description Enable automatic packet-capture for Received L3 Redirected fragmented packets too large

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_scaleout_not_active_drop

Description Enable automatic packet-capture for Scaleout Not Active Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_release_fail

Description Enable automatic packet-capture for Total SLB NAT release failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_reserve_fail

Description Enable automatic packet-capture for Total SLB NAT reserve failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_traffic_map_not_found_drop

Description Enable automatic packet-capture for Traffic MAP Not Found Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-logging

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-inc

Specification	
Type	*object*

http-logging-invalid-format

Description Enable automatic packet-capture for HTTP Logging Invalid Format Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-dropped

Description Enable automatic packet-capture for Log Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

http-logging-invalid-format

Description Enable automatic packet-capture for HTTP Logging Invalid Format Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-dropped

Description Enable automatic packet-capture for Log Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-inc

Specification	
Type	*object*

kerberos-job-start-error

Description Enable automatic packet-capture for Total Kerberos Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-polling-control-error

Description Enable automatic packet-capture for Total Kerberos Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-pw-expiry

Description Enable automatic packet-capture for Total Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-request-dropped

Description Enable automatic packet-capture for Total Kerberos Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-error

Description Enable automatic packet-capture for Total Kerberos Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-timeout

Description Enable automatic packet-capture for Total Kerberos Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-timeout-error

Description Enable automatic packet-capture for Total Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-job-start-error

Description Enable automatic packet-capture for Total NTLM Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-polling-control-error

Description Enable automatic packet-capture for Total NTLM Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-prepare-req-failed

Description Enable automatic packet-capture for Total NTLM Prepare Request Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-proto-negotiation-failure

Description Enable automatic packet-capture for Total NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-request-dropped

Description Enable automatic packet-capture for Total NTLM Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-error

Description Enable automatic packet-capture for Total NTLM Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-timeout

Description Enable automatic packet-capture for Total NTLM Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-session-setup-failed

Description Enable automatic packet-capture for Total NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-timeout-error

Description Enable automatic packet-capture for Total NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

kerberos-job-start-error

Description Enable automatic packet-capture for Total Kerberos Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-polling-control-error

Description Enable automatic packet-capture for Total Kerberos Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-pw-expiry

Description Enable automatic packet-capture for Total Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-request-dropped

Description Enable automatic packet-capture for Total Kerberos Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-error

Description Enable automatic packet-capture for Total Kerberos Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-timeout

Description Enable automatic packet-capture for Total Kerberos Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-timeout-error

Description Enable automatic packet-capture for Total Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-job-start-error

Description Enable automatic packet-capture for Total NTLM Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-polling-control-error

Description Enable automatic packet-capture for Total NTLM Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-prepare-req-failed

Description Enable automatic packet-capture for Total NTLM Prepare Request Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-proto-negotiation-failure

Description Enable automatic packet-capture for Total NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-request-dropped

Description Enable automatic packet-capture for Total NTLM Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-error

Description Enable automatic packet-capture for Total NTLM Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-timeout

Description Enable automatic packet-capture for Total NTLM Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-session-setup-failed

Description Enable automatic packet-capture for Total NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-timeout-error

Description Enable automatic packet-capture for Total NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-inc

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Total Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Total Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for Total User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw-change-failure

Description Enable automatic packet-capture for Total password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Total Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-rate

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Total Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Total Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for Total User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw-change-failure

Description Enable automatic packet-capture for Total password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Total Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-inc

Specification	
Type	*object*

ddos_entries_too_many

Description Enable automatic packet-capture for Too many DDOS entries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_add_to_bgp_failure

Description Enable automatic packet-capture for DDoS Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for DDOS entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_packet_dropped

Description Enable automatic packet-capture for DDOS Packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-rate

Specification	
Type	*object*

ddos_entries_too_many

Description Enable automatic packet-capture for Too many DDOS entries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_add_to_bgp_failure

Description Enable automatic packet-capture for DDoS Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for DDOS entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_packet_dropped

Description Enable automatic packet-capture for DDOS Packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-inc

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-templates_template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total OCSP Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total OCSP Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total OCSP Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total OCSP Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total OCSP Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-request-dropped

Description Enable automatic packet-capture for Total OCSP Stapling Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-error

Description Enable automatic packet-capture for Total OCSP Stapling Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-timeout

Description Enable automatic packet-capture for Total OCSP Stapling Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total OCSP Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total OCSP Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total OCSP Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total OCSP Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total OCSP Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-request-dropped

Description Enable automatic packet-capture for Total OCSP Stapling Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-error

Description Enable automatic packet-capture for Total OCSP Stapling Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-timeout

Description Enable automatic packet-capture for Total OCSP Stapling Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-inc

Specification	
Type	*object*

log_type_gtp_out_of_order_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of Order IE V1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_type_gtp_out_of_state_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of State IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

log_type_gtp_out_of_order_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of Order IE V1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_type_gtp_out_of_state_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of State IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-inc

Specification	
Type	*object*

bad_ip_flg

Description Enable automatic packet-capture for Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_frg_offset

Description Enable automatic packet-capture for Bad IP Fragment Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_hdrlen

Description Enable automatic packet-capture for Bad IP Header Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_payload_len

Description Enable automatic packet-capture for Bad IP Payload Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_ttl

Description Enable automatic packet-capture for Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_tcp_urg_offset

Description Enable automatic packet-capture for TCP Bad Urgent Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csum

Description Enable automatic packet-capture for Bad IP Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_frg

Description Enable automatic packet-capture for Empty Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_mic_frg

Description Enable automatic packet-capture for Micro Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frg

Description Enable automatic packet-capture for IPv4 Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gre_pptp_err

Description Enable automatic packet-capture for GRE PPTP Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_err

Description Enable automatic packet-capture for IP-over-IP Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_msmtch

Description Enable automatic packet-capture for IP-over-IP Tunnel Mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land

Description Enable automatic packet-capture for Land Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_ip_payload

Description Enable automatic packet-capture for No IP Payload drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre_err

Description Enable automatic packet-capture for GRE Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

opt

Description Enable automatic packet-capture for IPv4 Options Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over_ip_payload

Description Enable automatic packet-capture for Oversize IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pod

Description Enable automatic packet-capture for ICMP Ping of Death Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_ip_hdr

Description Enable automatic packet-capture for Runt IP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_tcp_udp_hdr

Description Enable automatic packet-capture for Runt TCP/UDP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_csum

Description Enable automatic packet-capture for TCP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_iplen

Description Enable automatic packet-capture for TCP Bad IP Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_frg_hdr

Description Enable automatic packet-capture for TCP Fragmented Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_frg

Description Enable automatic packet-capture for TCP Null Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_scan

Description Enable automatic packet-capture for TCP Null Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_opt_err

Description Enable automatic packet-capture for TCP Option Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_sht_hdr

Description Enable automatic packet-capture for TCP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_fin

Description Enable automatic packet-capture for TCP Syn and Fin Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_frg

Description Enable automatic packet-capture for TCP Syn Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas

Description Enable automatic packet-capture for TCP XMAS Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas_scan

Description Enable automatic packet-capture for TCP XMAS Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_csum

Description Enable automatic packet-capture for UDP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_len

Description Enable automatic packet-capture for UDP Bad Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_kerb_frg

Description Enable automatic packet-capture for UDP Kerberos Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_port_lb

Description Enable automatic packet-capture for UDP Port Loopback Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_srt_hdr

Description Enable automatic packet-capture for UDP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan_err

Description Enable automatic packet-capture for VXLAN Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-templates_template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-rate

Specification	
Type	*object*

bad_ip_flg

Description Enable automatic packet-capture for Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_frg_offset

Description Enable automatic packet-capture for Bad IP Fragment Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_hdrlen

Description Enable automatic packet-capture for Bad IP Header Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_payload_len

Description Enable automatic packet-capture for Bad IP Payload Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_ttl

Description Enable automatic packet-capture for Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_tcp_urg_offset

Description Enable automatic packet-capture for TCP Bad Urgent Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csum

Description Enable automatic packet-capture for Bad IP Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

emp_frg

Description Enable automatic packet-capture for Empty Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_mic_frg

Description Enable automatic packet-capture for Micro Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frg

Description Enable automatic packet-capture for IPv4 Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gre_pptp_err

Description Enable automatic packet-capture for GRE PPTP Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_err

Description Enable automatic packet-capture for IP-over-IP Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_msmtch

Description Enable automatic packet-capture for IP-over-IP Tunnel Mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land

Description Enable automatic packet-capture for Land Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_ip_payload

Description Enable automatic packet-capture for No IP Payload drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre_err

Description Enable automatic packet-capture for GRE Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

opt

Description Enable automatic packet-capture for IPv4 Options Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over_ip_payload

Description Enable automatic packet-capture for Oversize IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pod

Description Enable automatic packet-capture for ICMP Ping of Death Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_ip_hdr

Description Enable automatic packet-capture for Runt IP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_tcp_udp_hdr

Description Enable automatic packet-capture for Runt TCP/UDP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_csum

Description Enable automatic packet-capture for TCP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_iplen

Description Enable automatic packet-capture for TCP Bad IP Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_frg_hdr

Description Enable automatic packet-capture for TCP Fragmented Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_frg

Description Enable automatic packet-capture for TCP Null Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_scan

Description Enable automatic packet-capture for TCP Null Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_opt_err

Description Enable automatic packet-capture for TCP Option Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_sht_hdr

Description Enable automatic packet-capture for TCP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_fin

Description Enable automatic packet-capture for TCP Syn and Fin Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_frg

Description Enable automatic packet-capture for TCP Syn Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas

Description Enable automatic packet-capture for TCP XMAS Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas_scan

Description Enable automatic packet-capture for TCP XMAS Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_bad_csum

Description Enable automatic packet-capture for UDP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_len

Description Enable automatic packet-capture for UDP Bad Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_kerb_frg

Description Enable automatic packet-capture for UDP Kerberos Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_port_lb

Description Enable automatic packet-capture for UDP Port Loopback Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_srt_hdr

Description Enable automatic packet-capture for UDP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan_err

Description Enable automatic packet-capture for VXLAN Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-inc

Specification	
Type	*object*

header-insertion-failed

Description Enable automatic packet-capture for Buff Insertion Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-removal-failed

Description Enable automatic packet-capture for Buff Removal Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-memory-dropped

Description Enable automatic packet-capture for Out-of-Memory Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-dropped

Description Enable automatic packet-capture for Packet Out-of-Order Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

queue-len-exceed-dropped

Description Enable automatic packet-capture for Queue Length Exceed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-requst-dropped

Description Enable automatic packet-capture for Query Request Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-response-dropped

Description Enable automatic packet-capture for Query Response Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

header-insertion-failed

Description Enable automatic packet-capture for Buff Insertion Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-removal-failed

Description Enable automatic packet-capture for Buff Removal Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-memory-dropped

Description Enable automatic packet-capture for Out-of-Memory Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-dropped

Description Enable automatic packet-capture for Packet Out-of-Order Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

queue-len-exceed-dropped

Description Enable automatic packet-capture for Queue Length Exceed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-requst-dropped

Description Enable automatic packet-capture for Query Request Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-response-dropped

Description Enable automatic packet-capture for Query Response Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-inc

Specification	
Type	*object*

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-key

Description Enable automatic packet-capture for Radius Request has Invalid Key Field

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-table-full

Description Enable automatic packet-capture for RADIUS Request Dropped (Table Full)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-key

Description Enable automatic packet-capture for Radius Request has Invalid Key Field

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-table-full

Description Enable automatic packet-capture for RADIUS Request Dropped (Table Full)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other-error

Description Enable automatic packet-capture for Total Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other-error

Description Enable automatic packet-capture for Total Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for MGCP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for MGCP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for SIP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for SIP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-inc

Specification	
Type	*object*

packets-dropped

Description Enable automatic packet-capture for Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkts-dropped-during-clear

Description Enable automatic packet-capture for Packets dropped during clear bindings process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

packets-dropped

Description Enable automatic packet-capture for Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkts-dropped-during-clear

Description Enable automatic packet-capture for Packets dropped during clear bindings process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-inc

Specification	
Type	*object*

bad-ip-chksum-drop

Description Enable automatic packet-capture for Total Bad IP csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-flags-drop

Description Enable automatic packet-capture for Total Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-frag-offset

Description Enable automatic packet-capture for Total Bad IP frag off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-hdr-len

Description Enable automatic packet-capture for Total Bad IP hdr len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-payload-len

Description Enable automatic packet-capture for Total Bad IP PL len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-ttl-drop

Description Enable automatic packet-capture for Total Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

empty-frag-drop

Description Enable automatic packet-capture for Total Empty frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fcs-drop

Description Enable automatic packet-capture for Total FCS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hrx-drop

Description Enable automatic packet-capture for Total HRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-pod-drop

Description Enable automatic packet-capture for Total ICMP POD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-frag

Description Enable automatic packet-capture for Total IP frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-opt-drop

Description Enable automatic packet-capture for Total IPv4 opt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-drop

Description Enable automatic packet-capture for Total LAND Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mic-frag-drop

Description Enable automatic packet-capture for Total Micro frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mrx-drop

Description Enable automatic packet-capture for Total MRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ip-payload-drop

Description Enable automatic packet-capture for Total No IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oversize-ip-payload

Description Enable automatic packet-capture for Total Oversize IP PL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qdr-drop

Description Enable automatic packet-capture for Total QDR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-ip-hdr

Description Enable automatic packet-capture for Total Runt IP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-tcpudp-hdr

Description Enable automatic packet-capture for Total Runt TCPUDP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

siz-drop

Description Enable automatic packet-capture for Total Size Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-chksum

Description Enable automatic packet-capture for Total TCP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-ip-len

Description Enable automatic packet-capture for Total TCP Bad IP Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-urg-offet

Description Enable automatic packet-capture for Total TCP bad urg off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-fin-sin

Description Enable automatic packet-capture for Total TCP SYN&FIN Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-frag-hdr

Description Enable automatic packet-capture for Total TCP frag header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-flags

Description Enable automatic packet-capture for Total TCP null flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-scan

Description Enable automatic packet-capture for Total TCP null scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-short-hdr

Description Enable automatic packet-capture for Total TCP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description Enable automatic packet-capture for Total TCP SYN frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-flags

Description Enable automatic packet-capture for Total TCP XMAS FLAGS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-scan

Description Enable automatic packet-capture for Total TCP XMAS scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tun-mismatch

Description Enable automatic packet-capture for Total Tun mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-chksum

Description Enable automatic packet-capture for Total UDP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-ip-len

Description Enable automatic packet-capture for Total UDP bad leng Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-kb-frags

Description Enable automatic packet-capture for Total UDP KB frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port-lb

Description Enable automatic packet-capture for Total UDP port LB Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-short-hdr

Description Enable automatic packet-capture for Total UDP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-rate

Specification	
Type	*object*

bad-ip-chksum-drop

Description Enable automatic packet-capture for Total Bad IP csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-flags-drop

Description Enable automatic packet-capture for Total Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-frag-offset

Description Enable automatic packet-capture for Total Bad IP frag off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-hdr-len

Description Enable automatic packet-capture for Total Bad IP hdr len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-payload-len

Description Enable automatic packet-capture for Total Bad IP PL len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-ttl-drop

Description Enable automatic packet-capture for Total Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

empty-frag-drop

Description Enable automatic packet-capture for Total Empty frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fcs-drop

Description Enable automatic packet-capture for Total FCS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hrx-drop

Description Enable automatic packet-capture for Total HRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-pod-drop

Description Enable automatic packet-capture for Total ICMP POD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-frag

Description Enable automatic packet-capture for Total IP frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-opt-drop

Description Enable automatic packet-capture for Total IPv4 opt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-drop

Description Enable automatic packet-capture for Total LAND Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mic-frag-drop

Description Enable automatic packet-capture for Total Micro frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mrx-drop

Description Enable automatic packet-capture for Total MRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ip-payload-drop

Description Enable automatic packet-capture for Total No IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oversize-ip-payload

Description Enable automatic packet-capture for Total Oversize IP PL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qdr-drop

Description Enable automatic packet-capture for Total QDR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-ip-hdr

Description Enable automatic packet-capture for Total Runt IP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-tcpudp-hdr

Description Enable automatic packet-capture for Total Runt TCPUDP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

siz-drop

Description Enable automatic packet-capture for Total Size Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-chksum

Description Enable automatic packet-capture for Total TCP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-ip-len

Description Enable automatic packet-capture for Total TCP Bad IP Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-urg-offet

Description Enable automatic packet-capture for Total TCP bad urg off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-fin-sin

Description Enable automatic packet-capture for Total TCP SYN&FIN Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-frag-hdr

Description Enable automatic packet-capture for Total TCP frag header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-flags

Description Enable automatic packet-capture for Total TCP null flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-scan

Description Enable automatic packet-capture for Total TCP null scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-short-hdr

Description Enable automatic packet-capture for Total TCP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description Enable automatic packet-capture for Total TCP SYN frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-flags

Description Enable automatic packet-capture for Total TCP XMAS FLAGS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-scan

Description Enable automatic packet-capture for Total TCP XMAS scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tun-mismatch

Description Enable automatic packet-capture for Total Tun mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-chksum

Description Enable automatic packet-capture for Total UDP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-ip-len

Description Enable automatic packet-capture for Total UDP bad leng Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-kb-frags

Description Enable automatic packet-capture for Total UDP KB frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port-lb

Description Enable automatic packet-capture for Total UDP port LB Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-short-hdr

Description Enable automatic packet-capture for Total UDP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-inc

Specification	
Type	*object*

aflex-authz-fail

Description Enable automatic packet-capture for Total Authorization failure number in aFleX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authn-failure

Description Enable automatic packet-capture for Total Authentication failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authz-failure

Description Enable automatic packet-capture for Total Authorization failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect-failed

Description Enable automatic packet-capture for Total AAM Connect Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-timer-failed

Description Enable automatic packet-capture for Total AAM Timer Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-resolve-failed

Description Enable automatic packet-capture for Total AAM DNS resolve failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-socket-option-failed

Description Enable automatic packet-capture for Total AAM Get Socket Option Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misses

Description Enable automatic packet-capture for Total Authentication Request Missed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-socket-failed

Description Enable automatic packet-capture for Total AAM Open Socket Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-rate

Specification	
Type	*object*

aflex-authz-fail

Description Enable automatic packet-capture for Total Authorization failure number in aFleX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authn-failure

Description Enable automatic packet-capture for Total Authentication failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authz-failure

Description Enable automatic packet-capture for Total Authorization failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect-failed

Description Enable automatic packet-capture for Total AAM Connect Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-timer-failed

Description Enable automatic packet-capture for Total AAM Timer Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-resolve-failed

Description Enable automatic packet-capture for Total AAM DNS resolve failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

get-socket-option-failed

Description Enable automatic packet-capture for Total AAM Get Socket Option Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misses

Description Enable automatic packet-capture for Total Authentication Request Missed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-socket-failed

Description Enable automatic packet-capture for Total AAM Open Socket Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-inc

Specification	
Type	*object*

transport-alloc-failure

Description Enable automatic packet-capture for Transport Alloc Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

transport-alloc-failure

Description Enable automatic packet-capture for Transport Alloc Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-switch

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-inc

Specification	
Type	*object*

badpkt_drop

Description Enable automatic packet-capture for Bad Pkt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incorrect_len_drop

Description Enable automatic packet-capture for Incorrect Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_rx_arp_pkt

Description Enable automatic packet-capture for Invalid ARP PKT Rcvd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_sender_mac_arp_drop

Description Enable automatic packet-capture for ARP PKT dropped due to invalid sender MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_defrag_invalid_len

Description Enable automatic packet-capture for IP Invalid Length Frag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_oversize

Description Enable automatic packet-capture for IP Fragment oversize

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_too_many

Description Enable automatic packet-capture for IP Fragment too many

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_ipip_dropped

Description Enable automatic packet-capture for IP Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overlap

Description Enable automatic packet-capture for IP Fragment Overlap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overload

Description Enable automatic packet-capture for IP Frag Overload Drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_reasmfails

Description Enable automatic packet-capture for IP Fragment Reasm Fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_tcp_dropped

Description Enable automatic packet-capture for IP Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_timeout

Description Enable automatic packet-capture for IP Fragment Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_udp_dropped

Description Enable automatic packet-capture for IP Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4_frag_6rd_drop

Description Enable automatic packet-capture for IPv4 Frag 6RD Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_gre_dropped

Description Enable automatic packet-capture for IPv6 Frag gre Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_ipip_dropped

Description Enable automatic packet-capture for IPv6 Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_tcp_dropped

Description Enable automatic packet-capture for IPv6 Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_udp_dropped

Description Enable automatic packet-capture for IPv6 Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prot_down_drop

Description Enable automatic packet-capture for Prot Down Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl_exceeded_drop

Description Enable automatic packet-capture for TTL Exceeded Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unknown_prot_drop

Description Enable automatic packet-capture for Unknown Prot Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-rate

Specification	
Type	*object*

badpkt_drop

Description Enable automatic packet-capture for Bad Pkt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

incorrect_len_drop

Description Enable automatic packet-capture for Incorrect Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_rx_arp_pkt

Description Enable automatic packet-capture for Invalid ARP PKT Rcvd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_sender_mac_arp_drop

Description Enable automatic packet-capture for ARP PKT dropped due to invalid sender MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_defrag_invalid_len

Description Enable automatic packet-capture for IP Invalid Length Frag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_oversize

Description Enable automatic packet-capture for IP Fragment oversize

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_too_many

Description Enable automatic packet-capture for IP Fragment too many

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_ipip_dropped

Description Enable automatic packet-capture for IP Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overlap

Description Enable automatic packet-capture for IP Fragment Overlap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overload

Description Enable automatic packet-capture for IP Frag Overload Drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_reasmfails

Description Enable automatic packet-capture for IP Fragment Reasm Fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_tcp_dropped

Description Enable automatic packet-capture for IP Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_timeout

Description Enable automatic packet-capture for IP Fragment Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_udp_dropped

Description Enable automatic packet-capture for IP Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4_frag_6rd_drop

Description Enable automatic packet-capture for IPv4 Frag 6RD Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_gre_dropped

Description Enable automatic packet-capture for IPv6 Frag gre Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_ipip_dropped

Description Enable automatic packet-capture for IPv6 Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_tcp_dropped

Description Enable automatic packet-capture for IPv6 Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_udp_dropped

Description Enable automatic packet-capture for IPv6 Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prot_down_drop

Description Enable automatic packet-capture for Prot Down Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

ttl_exceeded_drop

Description Enable automatic packet-capture for TTL Exceeded Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unknown_prot_drop

Description Enable automatic packet-capture for Unknown Prot Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-inc

Specification	
Type	*object*

adc_port_allocation_failed

Description Enable automatic packet-capture for ADC Port Allocation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_failure

Description Enable automatic packet-capture for LSN Fullcone Extension Memory Allocate Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_init_faulure

Description Enable automatic packet-capture for LSN Fullcone Extension Initialization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_alloc_single_port_failure

Description Enable automatic packet-capture for H323 ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_filtered

Description Enable automatic packet-capture for Endpoint-Dependent Filtering Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_port_pair_alloc_from_quota_par

Description Enable automatic packet-capture for MGCP ALG Port Pair Allocated From Quota Partition Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new_user_resource_unavailable

Description Enable automatic packet-capture for New User NAT Resource Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_class_list_match

Description Enable automatic packet-capture for No Class-List Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_inc_overflow

Description Enable automatic packet-capture for Port Overloading Inc Overflow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_out_of_memory

Description Enable automatic packet-capture for Port Overloading Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_rtp_rtcp_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc RTP/RTCP NAT Ports Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_single_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_quota_inc_failure

Description Enable automatic packet-capture for SIP ALG User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby_class_list_drop

Description Enable automatic packet-capture for HA Standby Class-List drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-rate

Specification	
Type	*object*

adc_port_allocation_failed

Description Enable automatic packet-capture for ADC Port Allocation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_failure

Description Enable automatic packet-capture for LSN Fullcone Extension Memory Allocate Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_init_faulure

Description Enable automatic packet-capture for LSN Fullcone Extension Initialization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_alloc_single_port_failure

Description Enable automatic packet-capture for H323 ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_filtered

Description Enable automatic packet-capture for Endpoint-Dependent Filtering Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_port_pair_alloc_from_quota_par

Description Enable automatic packet-capture for MGCP ALG Port Pair Allocated From Quota Partition Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new_user_resource_unavailable

Description Enable automatic packet-capture for New User NAT Resource Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_class_list_match

Description Enable automatic packet-capture for No Class-List Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_inc_overflow

Description Enable automatic packet-capture for Port Overloading Inc Overflow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_out_of_memory

Description Enable automatic packet-capture for Port Overloading Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_rtp_rtcp_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc RTP/RTCP NAT Ports Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_single_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_quota_inc_failure

Description Enable automatic packet-capture for SIP ALG User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby_class_list_drop

Description Enable automatic packet-capture for HA Standby Class-List drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-inc

Specification	
Type	*object*

auth_failure

Description Enable automatic packet-capture for Authentication Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-rate

Specification	
Type	*object*

auth_failure

Description Enable automatic packet-capture for Authentication Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-inc

Specification	
Type	*object*

conn-tcp-dropped

Description Enable automatic packet-capture for TCP Connection Lost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-rate

Specification	
Type	*object*

conn-tcp-dropped

Description Enable automatic packet-capture for TCP Connection Lost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-generic

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-inc

Specification	
Type	*object*

no_route

Description Enable automatic packet-capture for Number of no routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Number of snat failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Number of server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

no_route

Description Enable automatic packet-capture for Number of no routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Number of snat failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Number of server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-inc

Specification	
Type	*object*

auth_fail

Description Enable automatic packet-capture for Auth Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-rate

Specification	
Type	*object*

auth_fail

Description Enable automatic packet-capture for Auth Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-l4

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-inc

Specification	
Type	*object*

bw_rate_limit_exceed

Description Enable automatic packet-capture for BW-Limit Exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent_conn_exceed

Description Enable automatic packet-capture for L3V Conn Limit Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_drop

Description Enable automatic packet-capture for Conn rate limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_reset

Description Enable automatic packet-capture for Conn rate limit resets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connlimit_drop

Description Enable automatic packet-capture for Conn Limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_policy_drop

Description Enable automatic packet-capture for DNS Policy Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_cps_exceed

Description Enable automatic packet-capture for L4 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7_cps_exceed

Description Enable automatic packet-capture for L7 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_cps_exceed

Description Enable automatic packet-capture for NAT CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_resourse_drop

Description Enable automatic packet-capture for No resource drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_vport_drop

Description Enable automatic packet-capture for vport not matching drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

novport_drop

Description Enable automatic packet-capture for NAT no session drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_cps_exceed

Description Enable automatic packet-capture for SSL CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_tpt_exceed

Description Enable automatic packet-capture for SSL TPT exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrselfail

Description Enable automatic packet-capture for Server sel failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiescheckfailed

Description Enable automatic packet-capture for TCP SYN cookie failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiessentfailed

Description Enable automatic packet-capture for TCP SYN cookie snt fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-rate

Specification	
Type	*object*

bw_rate_limit_exceed

Description Enable automatic packet-capture for BW-Limit Exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent_conn_exceed

Description Enable automatic packet-capture for L3V Conn Limit Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_drop

Description Enable automatic packet-capture for Conn rate limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_reset

Description Enable automatic packet-capture for Conn rate limit resets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connlimit_drop

Description Enable automatic packet-capture for Conn Limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_policy_drop

Description Enable automatic packet-capture for DNS Policy Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

l4_cps_exceed

Description Enable automatic packet-capture for L4 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7_cps_exceed

Description Enable automatic packet-capture for L7 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_cps_exceed

Description Enable automatic packet-capture for NAT CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_resourse_drop

Description Enable automatic packet-capture for No resource drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_vport_drop

Description Enable automatic packet-capture for vport not matching drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

novport_drop

Description Enable automatic packet-capture for NAT no session drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_cps_exceed

Description Enable automatic packet-capture for SSL CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_tpt_exceed

Description Enable automatic packet-capture for SSL TPT exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrselfail

Description Enable automatic packet-capture for Server sel failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiescheckfailed

Description Enable automatic packet-capture for TCP SYN cookie failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiessentfailed

Description Enable automatic packet-capture for TCP SYN cookie snt fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-inc

Specification	
Type	*object*

get_all_headers_fail

Description Enable automatic packet-capture for Get all headers fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_resonse_line_fail

Description Enable automatic packet-capture for Ins response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_extend_fail

Description Enable automatic packet-capture for Line extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_table_extend_fail

Description Enable automatic packet-capture for Table extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_too_long

Description Enable automatic packet-capture for Line too long

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

read_request_line_fail

Description Enable automatic packet-capture for Read request line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv_server_unknow_reply_code

Description Enable automatic packet-capture for Recv server unknown-code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove_resonse_line_fail

Description Enable automatic packet-capture for Del response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send_client_service_not_ready

Description Enable automatic packet-capture for Sent client serv-not-rdy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

too_many_headers

Description Enable automatic packet-capture for Too many headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

get_all_headers_fail

Description Enable automatic packet-capture for Get all headers fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_resonse_line_fail

Description Enable automatic packet-capture for Ins response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_extend_fail

Description Enable automatic packet-capture for Line extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_table_extend_fail

Description Enable automatic packet-capture for Table extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_too_long

Description Enable automatic packet-capture for Line too long

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

read_request_line_fail

Description Enable automatic packet-capture for Read request line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv_server_unknow_reply_code

Description Enable automatic packet-capture for Recv server unknown-code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove_resonse_line_fail

Description Enable automatic packet-capture for Del response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send_client_service_not_ready

Description Enable automatic packet-capture for Sent client serv-not-rdy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

too_many_headers

Description Enable automatic packet-capture for Too many headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-inc

Specification	
Type	*object*

enqueue-error

Description Enable automatic packet-capture for Total local-log enqueue error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enqueue-full

Description Enable automatic packet-capture for Total local-log queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

enqueue-error

Description Enable automatic packet-capture for Total local-log enqueue error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enqueue-full

Description Enable automatic packet-capture for Total local-log queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-inc

Specification	
Type	*object*

lockout_drop

Description Enable automatic packet-capture for Lockout drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out_of_sessions

Description Enable automatic packet-capture for Out of sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold_exceed

Description Enable automatic packet-capture for Threshold exceeded count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

lockout_drop

Description Enable automatic packet-capture for Lockout drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out_of_sessions

Description Enable automatic packet-capture for Out of sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

threshold_exceed

Description Enable automatic packet-capture for Threshold exceeded count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-inc

Specification	
Type	*object*

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-inc

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attribute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-rate

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attribute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-inc

Specification	
Type	*object*

fullcone_creation_failure

Description Enable automatic packet-capture for Full-Cone Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fullcone_creation_failure

Description Enable automatic packet-capture for Full-Cone Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-inc

Specification	
Type	*object*

ctx_alloc_fail

Description Enable automatic packet-capture for Context alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http_conn_alloc_fail

Description Enable automatic packet-capture for HTTP connection allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request_header_alloc_fail

Description Enable automatic packet-capture for Request/Header allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stream_alloc_fail

Description Enable automatic packet-capture for Stream alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-rate

Specification	
Type	*object*

ctx_alloc_fail

Description Enable automatic packet-capture for Context alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

http_conn_alloc_fail

Description Enable automatic packet-capture for HTTP connection allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request_header_alloc_fail

Description Enable automatic packet-capture for Request/Header allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stream_alloc_fail

Description Enable automatic packet-capture for Stream alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-inc

Specification	
Type	*object*

max_outstanding_request_count

Description Enable automatic packet-capture for Max queued request count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max_outstanding_submit_count

Description Enable automatic packet-capture for Max queued submit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ring_full_count

Description Enable automatic packet-capture for Compression queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

max_outstanding_request_count

Description Enable automatic packet-capture for Max queued request count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max_outstanding_submit_count

Description Enable automatic packet-capture for Max queued submit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ring_full_count

Description Enable automatic packet-capture for Compression queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-inc

Specification	
Type	*object*

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-inc

Specification	
Type	*object*

err-pkt-drop

Description Enable automatic packet-capture for Total error packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-ring-drop

Description Enable automatic packet-capture for Total IO core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-rx-que-drop

Description Enable automatic packet-capture for Total IO core Rx queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-tx-que-drop

Description Enable automatic packet-capture for Total IO core TX queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-drop

Description Enable automatic packet-capture for Total packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-lnk-down-drop

Description Enable automatic packet-capture for Total packets link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-align-err

Description Enable automatic packet-capture for Total RX packet align error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-crc-err

Description Enable automatic packet-capture for Total RX packet CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-csum-offload-err

Description Enable automatic packet-capture for Total Rx packet check-sum offload error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-err

Description Enable automatic packet-capture for Total RX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-frame-err

Description Enable automatic packet-capture for Total RX packet frame error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-len-err

Description Enable automatic packet-capture for Total RX packet length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-long-len-err

Description Enable automatic packet-capture for Total RX packet long length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-miss-err

Description Enable automatic packet-capture for Total RX packet miss error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-no-buff-err

Description Enable automatic packet-capture for Total RX packet no buffer error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-over-err

Description Enable automatic packet-capture for Total RX packet over error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-short-len-err

Description Enable automatic packet-capture for Total RX packet short length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-abort-err

Description Enable automatic packet-capture for Total TX packet abort error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-carrier-err

Description Enable automatic packet-capture for Total TX packert carrier error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-drop

Description Enable automatic packet-capture for Total TX packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-err

Description Enable automatic packet-capture for Total TX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-fifo-err

Description Enable automatic packet-capture for Total TX packet fifo error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-hbeat-err

Description Enable automatic packet-capture for Total TX packet HBEAT error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-windows-err

Description Enable automatic packet-capture for Total TX windows error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

w-link-down-drop

Description Enable automatic packet-capture for Total worker core link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-ring-drop

Description Enable automatic packet-capture for Total worker core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-tx-que-drop

Description Enable automatic packet-capture for Total worker core queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-templates_template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

err-pkt-drop

Description Enable automatic packet-capture for Total error packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-ring-drop

Description Enable automatic packet-capture for Total IO core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-rx-que-drop

Description Enable automatic packet-capture for Total IO core Rx queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-tx-que-drop

Description Enable automatic packet-capture for Total IO core TX queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-drop

Description Enable automatic packet-capture for Total packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-lnk-down-drop

Description Enable automatic packet-capture for Total packets link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-align-err

Description Enable automatic packet-capture for Total RX packet align error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-crc-err

Description Enable automatic packet-capture for Total RX packet CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-csum-offload-err

Description Enable automatic packet-capture for Total Rx packet check-sum offload error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-err

Description Enable automatic packet-capture for Total RX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-frame-err

Description Enable automatic packet-capture for Total RX packet frame error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-len-err

Description Enable automatic packet-capture for Total RX packet length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-long-len-err

Description Enable automatic packet-capture for Total RX packet long length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-miss-err

Description Enable automatic packet-capture for Total RX packet miss error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-no-buff-err

Description Enable automatic packet-capture for Total RX packet no buffer error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-over-err

Description Enable automatic packet-capture for Total RX packet over error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-short-len-err

Description Enable automatic packet-capture for Total RX packet short length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tx-abort-err

Description Enable automatic packet-capture for Total TX packet abort error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-carrier-err

Description Enable automatic packet-capture for Total TX packert carrier error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-drop

Description Enable automatic packet-capture for Total TX packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-err

Description Enable automatic packet-capture for Total TX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-fifo-err

Description Enable automatic packet-capture for Total TX packet fifo error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-hbeat-err

Description Enable automatic packet-capture for Total TX packet HBEAT error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-windows-err

Description Enable automatic packet-capture for Total TX windows error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

w-link-down-drop

Description Enable automatic packet-capture for Total worker core link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-ring-drop

Description Enable automatic packet-capture for Total worker core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-tx-que-drop

Description Enable automatic packet-capture for Total worker core queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-inc

Specification	
Type	*object*

ip_node_alloc_failure

Description Enable automatic packet-capture for Node alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_other_block_alloc_failure

Description Enable automatic packet-capture for Other block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_port_block_alloc_failure

Description Enable automatic packet-capture for Port block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_bgp_failure

Description Enable automatic packet-capture for L3 Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_hw_failure

Description Enable automatic packet-capture for L3 entry HW add failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_drop_max_hw_exceeded

Description Enable automatic packet-capture for L3 Entry Drop due to HW Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop

Description Enable automatic packet-capture for L3 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop_hw

Description Enable automatic packet-capture for L3 HW entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for L3 entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_list_alloc_failure

Description Enable automatic packet-capture for L4 Entry list alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop

Description Enable automatic packet-capture for L4 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop_hw

Description Enable automatic packet-capture for L4 HW Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn_cookie_verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ip_node_alloc_failure

Description Enable automatic packet-capture for Node alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_other_block_alloc_failure

Description Enable automatic packet-capture for Other block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_port_block_alloc_failure

Description Enable automatic packet-capture for Port block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_bgp_failure

Description Enable automatic packet-capture for L3 Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_hw_failure

Description Enable automatic packet-capture for L3 entry HW add failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_drop_max_hw_exceeded

Description Enable automatic packet-capture for L3 Entry Drop due to HW Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop

Description Enable automatic packet-capture for L3 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop_hw

Description Enable automatic packet-capture for L3 HW entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for L3 entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_list_alloc_failure

Description Enable automatic packet-capture for L4 Entry list alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop

Description Enable automatic packet-capture for L4 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop_hw

Description Enable automatic packet-capture for L4 HW Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn_cookie_verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-inc

Specification	
Type	*object*

cl_est_err

Description Enable automatic packet-capture for Client EST state erro

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cl_request_err

Description Enable automatic packet-capture for Client RQ state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_send_fail

Description Enable automatic packet-capture for data send fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_server_conn_fail

Description Enable automatic packet-capture for data svr conn fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ser_connecting_err

Description Enable automatic packet-capture for Serv CTNG state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_response_err

Description Enable automatic packet-capture for Serv RESP state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-rate

Specification	
Type	*object*

cl_est_err

Description Enable automatic packet-capture for Client EST state erro

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cl_request_err

Description Enable automatic packet-capture for Client RQ state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_send_fail

Description Enable automatic packet-capture for data send fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_server_conn_fail

Description Enable automatic packet-capture for data svr conn fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ser_connecting_err

Description Enable automatic packet-capture for Serv CTNG state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_response_err

Description Enable automatic packet-capture for Serv RESP state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-inc

Specification	
Type	*object*

crl_cache_status_revoked

Description Enable automatic packet-capture for CRL cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_connection_error

Description Enable automatic packet-capture for CRL connection errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_other_error

Description Enable automatic packet-capture for CRL other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_revoked

Description Enable automatic packet-capture for CRL response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_unknown

Description Enable automatic packet-capture for CRL response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_https

Description Enable automatic packet-capture for CRL URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_not_found

Description Enable automatic packet-capture for CRL URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_unsupported

Description Enable automatic packet-capture for CRL URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_miss

Description Enable automatic packet-capture for OCSP cache miss

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_status_revoked

Description Enable automatic packet-capture for OCSP cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_revoked

Description Enable automatic packet-capture for Certificate chain status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_unknown

Description Enable automatic packet-capture for Certificate chain status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_connection_error

Description Enable automatic packet-capture for OCSP connection error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_other_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_no_nonce

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_nonce_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_revoked

Description Enable automatic packet-capture for OCSP response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_unknown

Description Enable automatic packet-capture for OCSP response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_https

Description Enable automatic packet-capture for Log OCSP URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_not_found

Description Enable automatic packet-capture for OCSP URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_unsupported

Description Enable automatic packet-capture for OCSP URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-rate

Specification	
Type	*object*

crl_cache_status_revoked

Description Enable automatic packet-capture for CRL cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_connection_error

Description Enable automatic packet-capture for CRL connection errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_other_error

Description Enable automatic packet-capture for CRL other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_revoked

Description Enable automatic packet-capture for CRL response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_unknown

Description Enable automatic packet-capture for CRL response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_https

Description Enable automatic packet-capture for CRL URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_not_found

Description Enable automatic packet-capture for CRL URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_unsupported

Description Enable automatic packet-capture for CRL URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ocsp_cache_miss

Description Enable automatic packet-capture for OCSP cache miss

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_status_revoked

Description Enable automatic packet-capture for OCSP cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_revoked

Description Enable automatic packet-capture for Certificate chain status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_unknown

Description Enable automatic packet-capture for Certificate chain status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_connection_error

Description Enable automatic packet-capture for OCSP connection error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_other_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_no_nonce

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_nonce_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_revoked

Description Enable automatic packet-capture for OCSP response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_unknown

Description Enable automatic packet-capture for OCSP response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_https

Description Enable automatic packet-capture for Log OCSP URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_not_found

Description Enable automatic packet-capture for OCSP URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_unsupported

Description Enable automatic packet-capture for OCSP URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-inc

Specification	
Type	*object*

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-ignored

Description Enable automatic packet-capture for RADIUS Request Ignored

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-ignored

Description Enable automatic packet-capture for RADIUS Request Ignored

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-inc

Specification	
Type	*object*

err_entry_create_failed

Description Enable automatic packet-capture for Entry Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_create_oom

Description Enable automatic packet-capture for Entry Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_insert_failed

Description Enable automatic packet-capture for Entry Insert Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_l4_sess_alloc

Description Enable automatic packet-capture for Error allocating L4 session for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_probe_tcp_conn_send

Description Enable automatic packet-capture for Error in initiating TCP connection for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_alloc

Description Enable automatic packet-capture for Error creating Smart NAT Instance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_port_alloc

Description Enable automatic packet-capture for Error obtaining Smart NAT source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_failed

Description Enable automatic packet-capture for Probe Template Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_oom

Description Enable automatic packet-capture for Probe Template Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

err_entry_create_failed

Description Enable automatic packet-capture for Entry Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_create_oom

Description Enable automatic packet-capture for Entry Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_insert_failed

Description Enable automatic packet-capture for Entry Insert Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_l4_sess_alloc

Description Enable automatic packet-capture for Error allocating L4 session for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_probe_tcp_conn_send

Description Enable automatic packet-capture for Error in initiating TCP connection for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_alloc

Description Enable automatic packet-capture for Error creating Smart NAT Instance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_port_alloc

Description Enable automatic packet-capture for Error obtaining Smart NAT source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_failed

Description Enable automatic packet-capture for Probe Template Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_oom

Description Enable automatic packet-capture for Probe Template Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-inc

Specification	
Type	*object*

icmp-host-unreachable-sent

Description Enable automatic packet-capture for ICMP Host Unreachable Sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-reply-no-session-drop

Description Enable automatic packet-capture for ICMP Reply No Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-dst-invalid-unicast

Description Enable automatic packet-capture for IPv4 Destination Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-src-invalid-unicast

Description Enable automatic packet-capture for IPv4 Source Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip-truncated

Description Enable automatic packet-capture for IPIP Truncated Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Session Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate_drop_reset_unkn

Description Enable automatic packet-capture for Rate Drop reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

icmp-host-unreachable-sent

Description Enable automatic packet-capture for ICMP Host Unreachable Sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-reply-no-session-drop

Description Enable automatic packet-capture for ICMP Reply No Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-dst-invalid-unicast

Description Enable automatic packet-capture for IPv4 Destination Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-src-invalid-unicast

Description Enable automatic packet-capture for IPv4 Source Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip-truncated

Description Enable automatic packet-capture for IPIP Truncated Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Session Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate_drop_reset_unkn

Description Enable automatic packet-capture for Rate Drop reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-inc

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for Total SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-rate

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for Total SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-inc

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_pool_unusable

Description Enable automatic packet-capture for NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_unusable_drop

Description Enable automatic packet-capture for User-Quota Unusable Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-rate

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_pool_unusable

Description Enable automatic packet-capture for NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_unusable_drop

Description Enable automatic packet-capture for User-Quota Unusable Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-inc

Specification	
Type	*object*

entry_create_failures

Description Enable automatic packet-capture for Entry Create failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rv_failure

Description Enable automatic packet-capture for Revalidation Failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

entry_create_failures

Description Enable automatic packet-capture for Entry Create failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rv_failure

Description Enable automatic packet-capture for Revalidation Failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-inc

Specification	
Type	*object*

drop

Description Enable automatic packet-capture for Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-err

Description Enable automatic packet-capture for Response Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-rate

Specification	
Type	*object*

drop

Description Enable automatic packet-capture for Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

resp-err

Description Enable automatic packet-capture for Response Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-http2

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *global-templates_template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-inc

Specification	
Type	*object*

alloc_fail_total

Description Enable automatic packet-capture for Alloc Fail - Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff_alloc_error

Description Enable automatic packet-capture for Buff alloc error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_control_frame

Description Enable automatic packet-capture for Cant allocate control frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_goaway_frame

Description Enable automatic packet-capture for Cant allocate GOAWAY frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_ping_frame

Description Enable automatic packet-capture for Cant allocate PING frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_rst_frame

Description Enable automatic packet-capture for Cant allocate RST_STREAM frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_settings_frame

Description Enable automatic packet-capture for Cant allocate SETTINGS frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_stream

Description Enable automatic packet-capture for Cant allocate stream

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_window_frame

Description Enable automatic packet-capture for Cant allocate WINDOW_UPDATE frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_queue_alloc_error

Description Enable automatic packet-capture for Data Queue Alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deflate_alloc_fail

Description Enable automatic packet-capture for deflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inflate_alloc_fail

Description Enable automatic packet-capture for inflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy_alloc_error

Description Enable automatic packet-capture for HTTP2 Proxy alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-rate

Specification	
Type	*object*

alloc_fail_total

Description Enable automatic packet-capture for Alloc Fail - Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff_alloc_error

Description Enable automatic packet-capture for Buff alloc error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_control_frame

Description Enable automatic packet-capture for Cant allocate control frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_goaway_frame

Description Enable automatic packet-capture for Cant allocate GOAWAY frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_ping_frame

Description Enable automatic packet-capture for Cant allocate PING frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_rst_frame

Description Enable automatic packet-capture for Cant allocate RST_STREAM frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_settings_frame

Description Enable automatic packet-capture for Cant allocate SETTINGS frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_stream

Description Enable automatic packet-capture for Cant allocate stream

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_window_frame

Description Enable automatic packet-capture for Cant allocate WINDOW_UPDATE frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_queue_alloc_error

Description Enable automatic packet-capture for Data Queue Alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deflate_alloc_fail

Description Enable automatic packet-capture for deflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inflate_alloc_fail

Description Enable automatic packet-capture for inflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy_alloc_error

Description Enable automatic packet-capture for HTTP2 Proxy alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-templates_template-list_trigger-sys-obj-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

capture-config-list

Specification	
Type	*list*
Block object keys	

concurrent-captures

Description Enable and specify maximum concurrent 3 tuple filter based captures in seperate pcaps.

Type: number

Range: 1-5000

Mutual Exclusion: concurrent-captures and concurrent-conn-tag are mutually exclusive

concurrent-captures-age

Description Specify the time in minutes upto which a 3 tuple filter based capture will be kept active(default 1)

Type: number

Range: 1-10

Default: 1

concurrent-conn-per-capture

Description Specify maximum number of concurrent connnections(5 tuple matches) to be captured within in a 3 tuple based capture. (default 1

Type: number

Range: 1-1000

Default: 100

concurrent-conn-tag

Description Enable and specify maximum concurrent connnections(only 5 tuple based) to be captured in common pcaps.

Type: number

Range: 1-1000

Mutual Exclusion: concurrent-conn-tag and concurrent-captures are mutually exclusive

create-pcap-files-now

Description Operational command to force create temporary pcapng files before completion (for global/non 3 tuple based captures)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable packet capture (default enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-auto-merge

Description Disable auto merging per CPU pcapng files(default enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-continuous-global-capture

Description Enable continuous capture of packets for the global capture(non 3 tuple based capture) overriding size limits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-count

Description Specify the number of continuous pcapng files that can be created for capturing packets (default 10)

Type: number

Range: 1-50

Default: 10

file-size

Description Specify pcapng filesize in MB, Will be distributed per CPU (default 1)

Type: number

Range: 1-300

Default: 1

keep-pcap-files-after-merge

Description Keep original per CPU pcapng files after auto merging pcapng files(default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify the name of the capture-config

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

number-of-packets-per-capture

Description Specify Maximum number of packets per global or dynamic capture (default 0 unlimited)

Type: number

Range: 0-1000

Default: 0

number-of-packets-per-conn

Description Specify maximum number of packets to be captured in a 5 tuple based connection (default 0 unlimited).

Type: number

Range: 0-1000

Default: 0

number-of-packets-total

Description Specify Maximum number of packets for all captures (default 0 unlimited)

Type: number

Range: 0-15000

Default: 0

packet-length

Description Packet length in Bytes to capture (Default 128)

Type: number

Range: 64-1518

Default: 128

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	Concurrent-capture-by-ctr-anomaly-freed	8	Dynamic Capture(ctr anomaly based) freed
	pktcapture-triggered-by-other-feature	8	Capture triggered by Other feature
	num-conns-tagged-increment	8	Conn tag success (based on ctr increment, dynamic)
	Concurrent-capture-create-failed-by-other-feature	8	Error, Dynamic Capture(Other feature based) create failed
	pktcapture-with-no-conn-failure	8	Capture fail, Packets without conn
	num-conns-tagged-global-other-feature	8	Conn tag success (based on Other feature, Global)
	num-global-counters-deregistered	8	Number of global objects deregistered
	num-of-anomalies-cleared	8	Number of times ctr Anomaly cleared
	num-capture-config-unlinked	8	Number of times capture-config unlinked from template
	auto-pcap-file-merged	8	Auto pcapng files merged
	num-dynamic-capture-config-unlinked	8	Number of times dynamic capture-config unlinked from template

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Table 2.72 – continued from previous page

	Counter	Size	Description
	num-conns-tagged-global-increment	8	Conn tag success (based on ctr increment, Global)
	conn-ext-failed	8	Error, Conn extension creation fail
	num-tmp-pcaps-created	8	Number of temporary pcapng files created
	pktcapture-with-conn-success-global	8	Capture success, Packets with tagged conn (global capture)
	num-conns-tagged-increment-fail	8	Conn tag fail (based on ctr increment, dynamic)
	num-conns-tagged-global-increment-maxed	8	Conn tag fail, reached limit (based on ctr increment, Global)
	num-global-tmpl-created	8	Number of global templates created
	num-pcaps-created	8	Number of pcapng files created
	num-dynamic-capture-config-linked	8	Number of times dynamic capture-config linked to template
	num-conns-untagged	8	Number of conns untagged (done with conn limit or capture)
	num-conns-tagged-global-anomaly-fail	8	Conn tag fail (based on ctr anomaly, Global)
	num-conns-tagged-increment-maxed	8	Conn tag fail, reached limit (based on ctr increment, dynamic)
	num-conns-tagged-global-anomaly	8	Conn tag success (based on ctr anomaly, Global)
	Concurrent-capture-create-failed-oom	8	Error, Dynamic Capture create failed, OOM

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Table 2.72 – continued from previous page

	Counter	Size	Description
	num-global-counters-registered	8	Number of global objects registered
	failed-disk-full	8	Error, Capture fail, Disk limit reached
	num-of-anomalies-detected	8	Number of times ctr Anomaly detected
	Global-capture-finished	8	Number of times global capture finished capturing
	Concurrent-capture-by-ctr-other-feature-freed	8	Dynamic Capture(Other feature based) freed
	num-conns-tagged-other-feature-fail	8	Conn tag fail (based on Other feature, dynamic)
	num-per-object-counters-deregistered	8	Number of per instance objects deregistered
	Concurrent-capture-created-by-ctr-anomaly	8	Dynamic 3 tuple based capture created (ctr anomaly based)
	Concurrent-capture-by-ctr-increment-freed	8	Dynamic Capture(ctr increment based) freed
	num-per-object-counters-registered	8	Number of per instance objects registered
	pktcapture-failure-file-size-rchd	8	Capture fail, file size reached
	num-conns-tagged-other-feature-maxed	8	Conn tag fail, reached limit (based on Other feature, dynamic)
	non-pkt-path	8	Skip capturing, not packet processing path
	pktcapture-failure-wait-for-block	8	Capture fail, waiting to get free buffer

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Table 2.72 – continued from previous page

	Counter	Size	Description
	failed-as-return-completed-set	8	Skip capturing, capture-config marked completed
	pktcapture-with-conn-failure-global	8	Capture fail, Packets with tagged conn (global capture)
	num-conns-tagged-global-anomaly-maxed	8	Conn tag fail, reached limit (based on ctr anomaly, Global)
	num-capture-config-delete-q	8	Number of capture-config set for deletion
	Concurrent-capture-create-failed-by-ctr-increment	8	Error, Dynamic Capture(ctr increment based) create failed
	num-capture-config-deleted	8	Number of capture-config deleted
	num-capture-config-linked	8	Number of times capture-config linked to template
	pktcapture-with-conn-but-not-tagged-success	8	Capture success, Packets with untagged conn
	Concurrent-capture-created-by-other-feature	8	Dynamic 3 tuple based capture created (Other feature based)
	num-conns-tagged-global-increment-fail	8	Conn tag fail (based on ctr increment, Global)
	auto-pcap-file-merged-failed	8	Auto pcapng files merged failed
	num-dynamic-capture-config-delete-q	8	Number of dynamic capture-config set for deletion

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Table 2.72 – continued from previous page

	Counter	Size	Description
	pktcapture-triggered-by-increment	8	Capture triggered by counter increment
	pktcapture-with-conn-success	8	Capture success, Packets with tagged conn (dynamic capture)
	Concurrent-capture-create-failed-by-ctr-anomaly	8	Error, Dynamic Capture(ctr anomaly based) create failed
	num-object-tmpl-created	8	Number of object templates created
	num-conns-tagged-other-feature	8	Conn tag success (based on Other feature, dynamic)
	Concurrent-capture-finished	8	Number of Dynamic captures(3 tuple based) finished capturing
	skip-as-conn-already-recapture	8	Skip creating capture, conn was already captured
	num-capture-config-created	8	Number of capture-config created
	num-pcaps-create-failed	8	Error, Number of pcapng files creation failed
	num-object-tmpl-deleted	8	Number of object templates deleted
	pktcapture-with-no-conn-success	8	Capture success, Packets without conn
	pktcapture-with-conn-but-not-tagged-failure	8	Capture fail, Packets with untagged conn
	num-conns-tagged-anomaly	8	Conn tag success (based on ctr anomaly, dynamic)
	num-conns-tagged-global-other-feature-maxed	8	Conn tag fail, reached limit (based on Other feature, Global)
	num-conns-tagged-global-other-feature-fail	8	Conn tag fail (based on Other feature, Global)

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Table 2.72 – continued from previous page

	Counter	Size	Description
	Concurrent-capture-limit-reached	8	Dynamic Capture configured concurrent limit reached
	wrong-ctr-incremented	8	Counter increment issue
	Concurrent-capture-created-by-ctr-increment	8	Dynamic 3 tuple based capture created (ctr increment based)
	num-conns-tagged-anomaly-fail	8	Conn tag fail (based on ctr anomaly, dynamic)
	num-global-tmpl-deleted	8	Number of global templates deleted
	pktcap-oom	8	Error, Automated Packet capture infra OOM
	num-dynamic-capture-config-created	8	Number of dynamic capture-config created
	num-dynamic-capture-config-deleted	8	Number of dynamic capture-config deleted
	pkt-already-captured	8	Skip capturing, packet already captured
	pktcapture-with-conn-failure	8	Capture fail, Packets with tagged conn (dynamic capture)
	num-conns-tagged-anomaly-maxed	8	Conn tag fail, reached limit (based on ctr anomaly, dynamic)
	skip-capture-as-conn-created-before-smp	8	Skip capturing, conn was created before the capture started
	pktcapture-triggered-by-anomaly	8	Capture triggered by counter anomaly

operational data

	Counter	Size	Description
	used-memory	string	used-memory
	total-memory	string	total-memory
	memory-usage	flag	memory-usage
	packet-capture-files	flag	packet-capture-files
	packet-capture-file-name-list		packet-capture-file-name-list
	total-number-of-files	number	total-number-of-files

2.115.35 visibility packet-capture automated-captures

Predefined set of automated captures

automated-captures Specification

Type	*Configuration Resource*
Element Name	automated-captures
Element URI	/axapi/v3/visibility/packet-capture/automated-captures
Element Attributes	automated-captures_attributes
Statistics Data URI	/axapi/v3/visibility/packet-capture/automated-captures/stats
Operational Data URI	/axapi/v3/visibility/packet-capture/automated-captures/oper
Schema	`automated-captures schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/automated-captures

automated-captures attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/automated-captures

automated-captures attributes

Modify Object

POST

/axapi/v3/visibility/packet-capture/automated-captures

automated-captures attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/automated-captures

automated-captures attributes

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/automated-captures

automated-captures attributes

automated-captures attributes

slb_port_tmpl_error_code_return_inc

Description Trigger capture when there is 3xx or 4xx or 5xx responses from server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb_port_tmpl_high_error_code_return

Description Trigger capture when there is high number of 3xx or 4xx or 5xx responses from server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	total-failure	8	Total failures

operational data

	Counter	Size	Description
	automated-capture-config		automated-capture-config
	capture-name	string	capture-name

2.115.36 visibility packet-capture capture-config

Packet Capture-Configuration

capture-config Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*capture-config-list*
Collection URI	/axapi/v3/visibility/packet-capture/capture-config
Element Name	capture-config
Element URI	/axapi/v3/visibility/packet-capture/capture-config/{name}
Element Attributes	capture-config_attributes
Statistics Data URI	/axapi/v3/visibility/packet-capture/capture-config/{name}/stats
Schema	`capture-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/capture-config

capture-config attributes

Create List

POST

/axapi/v3/visibility/packet-capture/capture-config

capture-config attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/capture-config/{name}

capture-config attributes

Get List

GET

/axapi/v3/visibility/packet-capture/capture-config

capture-config-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/capture-config/{name}

capture-config attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/capture-config/{name}

capture-config attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/capture-config

capture-config-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/capture-config/{name}

capture-config attributes

capture-config-list

capture-config-list is **JSON List** of *capture-config attributes*

capture-config-list : [

{ *capture-config attributes* },

{ *capture-config attributes* },

...

]

capture-config attributes

concurrent-captures

Description Enable and specify maximum concurrent 3 tuple filter based captures in seperate pcaps.

Type: number

Range: 1-5000

Mutual Exclusion: concurrent-captures and concurrent-conn-tag are mutually exclusive

concurrent-captures-age

Description Specify the time in minutes upto which a 3 tuple filter based capture will be kept active(default 1)

Type: number

Range: 1-10

Default: 1

concurrent-conn-per-capture

Description Specify maximum number of concurrent connnections(5 tuple matches) to be captured within in a 3 tuple based capture. (default 1

Type: number

Range: 1-1000

Default: 100

concurrent-conn-tag

Description Enable and specify maximum concurrent connnections(only 5 tuple based) to be captured in common pcaps.

Type: number

Range: 1-1000

Mutual Exclusion: concurrent-conn-tag and concurrent-captures are mutually exclusive

create-pcap-files-now

Description Operational command to force create temporary pcapng files before completion (for global/non 3 tuple based captures)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable packet capture (default enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-auto-merge

Description Disable auto merging per CPU pcapng files(default enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-continuous-global-capture

Description Enable continuous capture of packets for the global capture(non 3 tuple based capture) overriding size limits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-count

Description Specify the number of continuous pcapng files that can be created for capturing packets (default 10)

Type: number

Range: 1-50

Default: 10

file-size

Description Specify pcapng filesize in MB, Will be distributed per CPU (default 1)

Type: number

Range: 1-300

Default: 1

keep-pcap-files-after-merge

Description Keep original per CPU pcapng files after auto merging pcapng files(default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify the name of the capture-config

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

number-of-packets-per-capture

Description Specify Maximum number of packets per global or dynamic capture (default 0 unlimited)

Type: number

Range: 0-1000

Default: 0

number-of-packets-per-conn

Description Specify maximum number of packets to be captured in a 5 tuple based connection (default 0 unlimited).

Type: number

Range: 0-1000

Default: 0

number-of-packets-total

Description Specify Maximum number of packets for all captures (default 0 unlimited)

Type: number

Range: 0-15000

Default: 0

packet-length

Description Packet length in Bytes to capture (Default 128)

Type: number

Range: 64-1518

Default: 128

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	Concurrent-capture-by-ctr-anomaly-freed	8	Dynamic Capture(ctr anomaly based) freed
	pktcapture-triggered-by-other-feature	8	Capture triggered by Other feature
	num-conns-tagged-increment	8	Conn tag success (based on ctr increment, dynamic)
	Concurrent-capture-create-failed-by-other-feature	8	Error, Dynamic Capture(Other feature based) create failed

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Table 2.73 – continued from previous page

	Counter	Size	Description
	pktcapture-with-no-conn-failure	8	Capture fail, Packets without conn
	num-conns-tagged-global-other-feature	8	Conn tag success (based on Other feature, Global)
	num-global-counters-deregistered	8	Number of global objects deregistered
	num-of-anomalies-cleared	8	Number of times ctr Anomaly cleared
	auto-pcap-file-merged	8	Auto pcapng files merged
	num-conns-tagged-global-increment	8	Conn tag success (based on ctr increment, Global)
	conn-ext-failed	8	Error, Conn extension creation fail
	num-tmp-pcaps-created	8	Number of temporary pcapng files created
	pktcapture-with-conn-success-global	8	Capture success, Packets with tagged conn (global capture)
	num-conns-tagged-increment-fail	8	Conn tag fail (based on ctr increment, dynamic)
	num-conns-tagged-global-increment-maxed	8	Conn tag fail, reached limit (based on ctr increment, Global)
	num-pcaps-created	8	Number of pcapng files created
	num-conns-untagged	8	Number of conns untagged (done with conn limit or capture)
	num-conns-tagged-global-anomaly-fail	8	Conn tag fail (based on ctr anomaly, Global)
	num-conns-tagged-increment-maxed	8	Conn tag fail, reached limit (based on ctr increment, dynamic)

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Table 2.73 – continued from previous page

	Counter	Size	Description
	num-conns-tagged-global-anomaly	8	Conn tag success (based on ctr anomaly, Global)
	Concurrent-capture-create-failed-oom	8	Error, Dynamic Capture create failed, OOM
	num-global-counters-registered	8	Number of global objects registered
	failed-disk-full	8	Error, Capture fail, Disk limit reached
	num-of-anomalies-detected	8	Number of times ctr Anomaly detected
	Global-capture-finished	8	Number of times global capture finished capturing
	Concurrent-capture-by-ctr-other-feature-freed	8	Dynamic Capture(Other feature based) freed
	num-conns-tagged-other-feature-fail	8	Conn tag fail (based on Other feature, dynamic)
	num-per-object-counters-deregistered	8	Number of per instance objects deregistered
	Concurrent-capture-created-by-ctr-anomaly	8	Dynamic 3 tuple based capture created (ctr anomaly based)
	Concurrent-capture-by-ctr-increment-freed	8	Dynamic Capture(ctr increment based) freed
	num-per-object-counters-registered	8	Number of per instance objects registered
	pktcapture-failure-file-size-rchd	8	Capture fail, file size reached

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Table 2.73 – continued from previous page

	Counter	Size	Description
	num-conns-tagged-other-feature-maxed	8	Conn tag fail, reached limit (based on Other feature, dynamic)
	non-pkt-path	8	Skip capturing, not packet processing path
	pktcapture-failure-wait-for-block	8	Capture fail, waiting to get free buffer
	failed-as-return-completed-set	8	Skip capturing, capture-config marked completed
	pktcapture-with-conn-failure-global	8	Capture fail, Packets with tagged conn (global capture)
	num-conns-tagged-global-anomaly-maxed	8	Conn tag fail, reached limit (based on ctr anomaly, Global)
	Concurrent-capture-create-failed-by-ctr-increment	8	Error, Dynamic Capture(ctr increment based) create failed
	pktcapture-with-conn-but-not-tagged-success	8	Capture success, Packets with untagged conn
	num-dynamic-capture-config-delete-q	8	num-dynamic-capture-config-delete-q
	num-conns-tagged-global-increment-fail	8	Conn tag fail (based on ctr increment, Global)
	auto-pcap-file-merged-failed	8	Auto pcapng files merged failed
	pktcapture-triggered-by-increment	8	Capture triggered by counter increment
	pktcapture-with-conn-success	8	Capture success, Packets with tagged conn (dynamic capture)

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Table 2.73 – continued from previous page

	Counter	Size	Description
	Concurrent-capture-create-failed-by-ctr-anomaly	8	Error, Dynamic Capture(ctr anomaly based) create failed
	num-conns-tagged-other-feature	8	Conn tag success (based on Other feature, dynamic)
	Concurrent-capture-finished	8	Number of Dynamic captures(3 tuple based) finished capturing
	skip-as-conn-already-recapture	8	Skip creating capture, conn was already captured
	num-pcaps-create-failed	8	Error, Number of pcapng files creation failed
	pktcapture-with-no-conn-success	8	Capture success, Packets without conn
	pktcapture-with-conn-but-not-tagged-failure	8	Capture fail, Packets with untagged conn
	num-conns-tagged-anomaly	8	Conn tag success (based on ctr anomaly, dynamic)
	num-conns-tagged-global-other-feature-maxed	8	Conn tag fail, reached limit (based on Other feature, Global)
	num-conns-tagged-global-other-feature-fail	8	Conn tag fail (based on Other feature, Global)
	Concurrent-capture-limit-reached	8	Dynamic Capture configured concurrent limit reached
	wrong-ctr-incremented	8	Counter increment issue
	Concurrent-capture-created-by-ctr-increment	8	Dynamic 3 tuple based capture created (ctr increment based)
	num-conns-tagged-anomaly-fail	8	Conn tag fail (based on ctr anomaly, dynamic)
	pktcap-oom	8	Error, Automated Packet capture infra OOM

continues on next page

Table 2.73 – continued from previous page

	Counter	Size	Description
	num-dynamic-capture-config-created	8	Number of dynamic capture-config created
	num-dynamic-capture-config-deleted	8	Number of dynamic capture-config deleted
	pkt-already-captured	8	Skip capturing, packet already captured
	pktcapture-with-conn-failure	8	Capture fail, Packets with tagged conn (dynamic capture)
	num-conns-tagged-anomaly-maxed	8	Conn tag fail, reached limit (based on ctr anomaly, dynamic)
	skip-capture-as-conn-created-before-smp	8	Skip capturing, conn was created before the capture started
	pktcapture-triggered-by-anomaly	8	Capture triggered by counter anomaly

2.115.37 visibility packet-capture global-templates

Configure global packet capture templates for T1 counters

global-templates Specification

Type	*Configuration Resource*
Element Name	global-templates
Element URI	/axapi/v3/visibility/packet-capture/global-templates
Element Attributes	global-templates_attributes
Schema	`global-templates schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/global-templates

global-templates attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/global-templates

global-templates attributes

Modify Object

POST

/axapi/v3/visibility/packet-capture/global-templates

global-templates attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/global-templates

global-templates attributes

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/global-templates

global-templates attributes

global-templates attributes

activate

Description: activate is a **JSON Block**. Please see below for *activate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/activate*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

activate

Specification	
Type	*object*

template

Description Name of the global templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change

Description: trigger-sys-obj-stats-change is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change*

trigger-sys-obj-stats-severity

Description: trigger-sys-obj-stats-severity is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change

Specification	
Type	*object*

aam-auth-account

Description: aam-auth-account is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-account*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account*

aam-auth-captcha

Description: aam-auth-captcha is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-captcha*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha*

aam-auth-relay-kerberos

Description: aam-auth-relay-kerberos is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos*

aam-auth-saml-global

Description: aam-auth-saml-global is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-saml-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global*

aam-auth-server-ldap

Description: aam-auth-server-ldap is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap*

aam-auth-server-ocsp

Description: aam-auth-server-ocsp is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp*

aam-auth-server-radius

Description: aam-auth-server-radius is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-radius*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius*

aam-auth-server-win

Description: aam-auth-server-win is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-win*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win*

aam-authentication-global

Description: aam-authentication-global is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-authentication-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global*

cgnv6-ddos-proc

Description: cgnv6-ddos-proc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc*

cgnv6-dhcpv6

Description: cgnv6-dhcpv6 is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6*

cgnv6-dns64

Description: cgnv6-dns64 is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-dns64*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64*

cgnv6-ds-lite-global

Description: cgnv6-ds-lite-global is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global*

cgnv6-http-alg

Description: cgnv6-http-alg is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-http-alg*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg*

cgnv6-icmp

Description: cgnv6-icmp is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-icmp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp*

cgnv6-l4

Description: cgnv6-l4 is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-l4*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4*

cgnv6-logging

Description: cgnv6-logging is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-logging*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging*

cgnv6-lsn

Description: cgnv6-lsn is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn*

cgnv6-lsn-alg-h323

Description: cgnv6-lsn-alg-h323 is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323*

cgnv6-lsn-alg-mgcp

Description: cgnv6-lsn-alg-mgcp is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp*

cgnv6-lsn-alg-sip

Description: cgnv6-lsn-alg-sip is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip*

cgnv6-lsn-radius

Description: cgnv6-lsn-radius is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius*

cgnv6-nat64-global

Description: cgnv6-nat64-global is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global*

cgnv6-pcp

Description: cgnv6-pcp is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-pcp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-alg-rtsp

Description: fw-alg-rtsp is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-alg-rtsp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp*

fw-ddos-protection

Description: fw-ddos-protection is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-ddos-protection*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection*

fw-global

Description: fw-global is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global*

fw-gtp

Description: fw-gtp is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-gtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp*

fw-logging

Description: fw-logging is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-logging*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging*

fw-logging-gtp

Description: fw-logging-gtp is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-logging-gtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp*

fw-rad-server

Description: fw-rad-server is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-rad-server*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server*

fw-tcp-syn-cookie

Description: fw-tcp-syn-cookie is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie*

ip-anomaly-drop

Description: ip-anomaly-drop is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_ip-anomaly-drop*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop*

logging-local-log-global

Description: logging-local-log-global is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_logging-local-log-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global*

slb-crl-srcip

Description: slb-crl-srcip is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-crl-srcip*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip*

slb-fix

Description: slb-fix is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-fix*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix*

slb-ftp-proxy

Description: slb-ftp-proxy is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ftp-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy*

slb-generic

Description: slb-generic is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-generic*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic*

slb-http2

Description: slb-http2 is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-http2*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2*

slb-hw-compress

Description: slb-hw-compress is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-hw-compress*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress*

slb-icap

Description: slb-icap is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-icap*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap*

slb-imap-proxy

Description: slb-imap-proxy is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-imap-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy*

slb-l4

Description: slb-l4 is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-l4*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4*

slb-link-probe

Description: slb-link-probe is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-link-probe*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe*

slb-mqtt

Description: slb-mqtt is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-mqtt*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt*

slb-mssql

Description: slb-mssql is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-mssql*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql*

slb-pop3-proxy

Description: slb-pop3-proxy is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-pop3-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy*

slb-rc-cache

Description: slb-rc-cache is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-rc-cache*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache*

slb-smtp

Description: slb-smtp is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-smtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp*

slb-spdy-proxy

Description: slb-spdy-proxy is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-spdy-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy*

slb-ssl-cert-revoke

Description: slb-ssl-cert-revoke is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke*

slb-ssl-forward-proxy

Description: slb-ssl-forward-proxy is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy*

slb-switch

Description: slb-switch is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-switch*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch*

so-counters

Description: so-counters is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_so-counters*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters*

system-dpdk-stats

Description: system-dpdk-stats is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-dpdk-stats*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats*

system-fpga-drop

Description: system-fpga-drop is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-fpga-drop*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop*

system-hardware-forward

Description: system-hardware-forward is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-hardware-forward*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward*

system-radius-server

Description: system-radius-server is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-radius-server*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-icmp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-inc

Specification	
Type	*object*

46-known-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-no-prefix-for-ipv4

Description Enable automatic packet-capture for NAT64 Reverse No Prefix Match for IPv4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-unknown-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-known-drop

Description Enable automatic packet-capture for NAT64 Forward Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-midpoint-hop

Description Enable automatic packet-capture for NAT64 Forward Unknown Source Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-unknown-drop

Description Enable automatic packet-capture for NAT64 Forward Unknown ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMP Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-port-info

Description Enable automatic packet-capture for ICMP Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-session-drop

Description Enable automatic packet-capture for ICMP No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp

Description Enable automatic packet-capture for ICMP to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp-err

Description Enable automatic packet-capture for ICMP to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6-err

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-unknown-type

Description Enable automatic packet-capture for ICMP Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMPv6 Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-port-info

Description Enable automatic packet-capture for ICMPv6 Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-session-drop

Description Enable automatic packet-capture for ICMPv6 No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp-err

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6-err

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-unknown-type

Description Enable automatic packet-capture for ICMPv6 Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-rate

Specification	
Type	*object*

46-known-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-no-prefix-for-ipv4

Description Enable automatic packet-capture for NAT64 Reverse No Prefix Match for IPv4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-unknown-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-known-drop

Description Enable automatic packet-capture for NAT64 Forward Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-midpoint-hop

Description Enable automatic packet-capture for NAT64 Forward Unknown Source Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-unknown-drop

Description Enable automatic packet-capture for NAT64 Forward Unknown ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

icmp-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMP Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-port-info

Description Enable automatic packet-capture for ICMP Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-session-drop

Description Enable automatic packet-capture for ICMP No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp

Description Enable automatic packet-capture for ICMP to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp-err

Description Enable automatic packet-capture for ICMP to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6-err

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-unknown-type

Description Enable automatic packet-capture for ICMP Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMPv6 Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-port-info

Description Enable automatic packet-capture for ICMPv6 Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-session-drop

Description Enable automatic packet-capture for ICMPv6 No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp-err

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6-err

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-unknown-type

Description Enable automatic packet-capture for ICMPv6 Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-pcp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-inc

Specification	
Type	*object*

l4-process-error

Description Enable automatic packet-capture for L3/L4 Process Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

noroute-drop

Description Enable automatic packet-capture for Response No Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-not-request-drop

Description Enable automatic packet-capture for Packet Not a PCP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-too-short-drop

Description Enable automatic packet-capture for Packet Too Short

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsol_ance_sent_fail

Description Enable automatic packet-capture for Unsolicited Announce Send Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-version

Description Enable automatic packet-capture for Unsupported PCP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

l4-process-error

Description Enable automatic packet-capture for L3/L4 Process Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

noroute-drop

Description Enable automatic packet-capture for Response No Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-not-request-drop

Description Enable automatic packet-capture for Packet Not a PCP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-too-short-drop

Description Enable automatic packet-capture for Packet Too Short

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

unsol_ance_sent_fail

Description Enable automatic packet-capture for Unsolicited Announce Send Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-version

Description Enable automatic packet-capture for Unsupported PCP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-hardware-forward

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-inc

Specification	
Type	*object*

hw-fwd-ageout-drop-count

Description Enable automatic packet-capture for hardware forward ageout drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-drop-count

Description Enable automatic packet-capture for hardware forward flow drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-error-count

Description Enable automatic packet-capture for hardware forward flow error count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-qdr-full-drop

Description Enable automatic packet-capture for hardware forward flow qdr full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-seq-mismatch

Description Enable automatic packet-capture for hardware forward sequence mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-singlebit-errors

Description Enable automatic packet-capture for hardware forward singlebit Errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tag-mismatch

Description Enable automatic packet-capture for hardware forward tag mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tx-full-drop

Description Enable automatic packet-capture for hardware forward flow tx full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-unalign-count

Description Enable automatic packet-capture for hardware forward flow unalign count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-underflow-count

Description Enable automatic packet-capture for hardware forward flow underflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-invalidation-drop

Description Enable automatic packet-capture for hardware forward invalid drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-phyport-mismatch-drop

Description Enable automatic packet-capture for hardware forward phyport mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-protocol-mismatch-drop

Description Enable automatic packet-capture for hardware forward protocol mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vlanid-mismatch-drop

Description Enable automatic packet-capture for hardware forward vlanid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vmid-drop

Description Enable automatic packet-capture for hardware forward vmid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

hw-fwd-ageout-drop-count

Description Enable automatic packet-capture for hardware forward ageout drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-drop-count

Description Enable automatic packet-capture for hardware forward flow drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-error-count

Description Enable automatic packet-capture for hardware forward flow error count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-qdr-full-drop

Description Enable automatic packet-capture for hardware forward flow qdr full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-seq-mismatch

Description Enable automatic packet-capture for hardware forward sequence mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-singlebit-errors

Description Enable automatic packet-capture for hardware forward singlebit Errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tag-mismatch

Description Enable automatic packet-capture for hardware forward tag mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tx-full-drop

Description Enable automatic packet-capture for hardware forward flow tx full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-unalign-count

Description Enable automatic packet-capture for hardware forward flow unalign count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-underflow-count

Description Enable automatic packet-capture for hardware forward flow underflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-invalidation-drop

Description Enable automatic packet-capture for hardware forward invalid drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-phyport-mismatch-drop

Description Enable automatic packet-capture for hardware forward phyport mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-protocol-mismatch-drop

Description Enable automatic packet-capture for hardware forward protocol mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vlanid-mismatch-drop

Description Enable automatic packet-capture for hardware forward vlanid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vmid-drop

Description Enable automatic packet-capture for hardware forward vmid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-mqtt

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-inc

Specification	
Type	*object*

client_id_null

Description Enable automatic packet-capture for Null client id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_null

Description Enable automatic packet-capture for Null conn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insertion_failed

Description Enable automatic packet-capture for Insertion failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_connect_fail

Description Enable automatic packet-capture for Parse connect failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_publish_fail

Description Enable automatic packet-capture for Parse publish failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_subscribe_fail

Description Enable automatic packet-capture for Parse subscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_unsubscribe_fail

Description Enable automatic packet-capture for Parse unsubscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session_exist

Description Enable automatic packet-capture for Session already exist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_already_linked

Description Enable automatic packet-capture for tuple-already-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_not_linked

Description Enable automatic packet-capture for tuple-not-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-rate

Specification	
Type	*object*

client_id_null

Description Enable automatic packet-capture for Null client id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_null

Description Enable automatic packet-capture for Null conn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insertion_failed

Description Enable automatic packet-capture for Insertion failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_connect_fail

Description Enable automatic packet-capture for Parse connect failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_publish_fail

Description Enable automatic packet-capture for Parse publish failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_subscribe_fail

Description Enable automatic packet-capture for Parse subscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_unsubscribe_fail

Description Enable automatic packet-capture for Parse unsubscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session_exist

Description Enable automatic packet-capture for Session already exist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tuple_already_linked

Description Enable automatic packet-capture for tuple-already-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_not_linked

Description Enable automatic packet-capture for tuple-not-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-inc

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-rate

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-pop3-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-inc

Specification	
Type	*object*

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-fix

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-inc

Specification	
Type	*object*

noroute

Description Enable automatic packet-capture for No route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-fix_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

noroute

Description Enable automatic packet-capture for No route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-icap

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-inc

Specification	
Type	*object*

app_serv_conn_no_pcb_err

Description Enable automatic packet-capture for App Server Conn no ES PCB Err Stats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-icap_trigger-stats-rate

Specification	
Type	*object*

app_serv_conn_no_pcb_err

Description Enable automatic packet-capture for App Server Conn no ES PCB Err Stats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-inc

Specification	
Type	*object*

connections-failed

Description Enable automatic packet-capture for Connections failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-signing

Description Enable automatic packet-capture for Failed in Certificate signing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-verification

Description Enable automatic packet-capture for Failed in Certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-crypto-operations

Description Enable automatic packet-capture for Failed in crypto operations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-ssl-handshakes

Description Enable automatic packet-capture for Failed in SSL handshakes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-tcp

Description Enable automatic packet-capture for Failed in TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-ocsp-stapling-response

Description Enable automatic packet-capture for Invalid OCSP Stapling Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

revoked-ocsp-response

Description Enable automatic packet-capture for Revoked OCSP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-ssl-version

Description Enable automatic packet-capture for Unsupported SSL version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-rate

Specification	
Type	*object*

connections-failed

Description Enable automatic packet-capture for Connections failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

failed-in-certificate-signing

Description Enable automatic packet-capture for Failed in Certificate signing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-verification

Description Enable automatic packet-capture for Failed in Certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-crypto-operations

Description Enable automatic packet-capture for Failed in crypto operations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-ssl-handshakes

Description Enable automatic packet-capture for Failed in SSL handshakes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-tcp

Description Enable automatic packet-capture for Failed in TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-ocsp-stapling-response

Description Enable automatic packet-capture for Invalid OCSP Stapling Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

revoked-ocsp-response

Description Enable automatic packet-capture for Revoked OCSP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

unsupported-ssl-version

Description Enable automatic packet-capture for Unsupported SSL version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-gtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-inc

Specification	
Type	*object*

drop-gtp-bearer-not-found-in-resp

Description Enable automatic packet-capture for GTP Bearer not found in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-frag-or-jumbo-pkt

Description Enable automatic packet-capture for GTP Fragmented or JUMBO packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-missing-cond-ie-bearer-ctx

Description Enable automatic packet-capture for Missing conditional IE in bearer context Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTP Echo IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-out-of-state-

Description Enable automatic packet-capture for GTP Echo Out of State Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-c-handover-request-out-of-state-dro

Description Enable automatic packet-capture for GTP-C Handover Request Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-entry-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-smp-create-failure

Description Enable automatic packet-capture for GTP Rate Limit SMP Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-t3-ctr-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Dynamic Counters Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rr-message-drop

Description Enable automatic packet-capture for GTP Message Dropped in RR Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-tunnel-rate-limit-entry-create-fail

Description Enable automatic packet-capture for GTP Tunnel Level Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-out-of-state-drop

Description Enable automatic packet-capture for GTP-U Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-nsapi-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv1-C NSAPI Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-res

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Tunnel Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-gtp_trigger-stats-rate

Specification	
Type	*object*

drop-gtp-bearer-not-found-in-resp

Description Enable automatic packet-capture for GTP Bearer not found in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-frag-or-jumbo-pkt

Description Enable automatic packet-capture for GTP Fragmented or JUMBO packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-missing-cond-ie-bearer-ctx

Description Enable automatic packet-capture for Missing conditional IE in bearer context Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTP Echo IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-out-of-state-

Description Enable automatic packet-capture for GTP Echo Out of State Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

gtp-c-handover-request-out-of-state-dro

Description Enable automatic packet-capture for GTP-C Handover Request Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-entry-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-smp-create-failure

Description Enable automatic packet-capture for GTP Rate Limit SMP Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-t3-ctr-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Dynamic Counters Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rr-message-drop

Description Enable automatic packet-capture for GTP Message Dropped in RR Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-tunnel-rate-limit-entry-create-fail

Description Enable automatic packet-capture for GTP Tunnel Level Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-out-of-state-drop

Description Enable automatic packet-capture for GTP-U Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-nsapi-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv1-C NSAPI Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-res

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Tunnel Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-radius

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout_error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout_error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_so-counters

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-inc

Specification	
Type	*object*

so_pkts_dest_mac_mistmatch_drop

Description Enable automatic packet-capture for Destination MAC Mistmatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_dropped

Description Enable automatic packet-capture for Total packets dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_dest_mac_zero_drop

Description Enable automatic packet-capture for Destination MAC Address zero Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_interface_not_up

Description Enable automatic packet-capture for L2redirect Intf is not UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_invalid_redirect_inf

Description Enable automatic packet-capture for Redirect Table Error due to invalid redirect info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_chassis_dest_mac_er

Description Enable automatic packet-capture for L3 Redirect RX multi-slot Destination MAC Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_non_ipv4_vxla

Description Enable automatic packet-capture for L3 Redirect received non ipv4 VXLAN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_rx_encap_para

Description Enable automatic packet-capture for L3 Redirect decap Rx encap params error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_vlan_sanity_d

Description Enable automatic packet-capture for L3 Redirect Decap VLAN Sanity Drop during receipt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_error_drop

Description Enable automatic packet-capture for L3 Redirect encap error drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv4_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect ipv4 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv6_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_fragmentation_error

Description Enable automatic packet-capture for L3 redirect encap Fragmentation error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_inner_mac_zero_drop

Description Enable automatic packet-capture for L3 Redirect inner mac zero drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_invalid_dev_dir

Description Enable automatic packet-capture for L3 Redirect Invalid Device direction during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_rcvd_in_l2_mode_dro

Description Enable automatic packet-capture for Recevied l3 redirect packets in L2 mode Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_error

Description Enable automatic packet-capture for L3 Redirect Table error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_no_entry_foun

Description Enable automatic packet-capture for L3 redirect Table no redirect entry found error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_too_large_pkts_in_d

Description Enable automatic packet-capture for Received L3 Redirected fragmented packets too large

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_scaleout_not_active_drop

Description Enable automatic packet-capture for Scaleout Not Active Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_release_fail

Description Enable automatic packet-capture for Total SLB NAT release failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_reserve_fail

Description Enable automatic packet-capture for Total SLB NAT reserve failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_traffic_map_not_found_drop

Description Enable automatic packet-capture for Traffic MAP Not Found Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_so-counters_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

so_pkts_dest_mac_mistmatch_drop

Description Enable automatic packet-capture for Destination MAC Mistmatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_dropped

Description Enable automatic packet-capture for Total packets dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_dest_mac_zero_drop

Description Enable automatic packet-capture for Destination MAC Address zero Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_interface_not_up

Description Enable automatic packet-capture for L2redirect Intf is not UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_invalid_redirect_inf

Description Enable automatic packet-capture for Redirect Table Error due to invalid redirect info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_chassis_dest_mac_er

Description Enable automatic packet-capture for L3 Redirect RX multi-slot Destination MAC Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_non_ipv4_vxla

Description Enable automatic packet-capture for L3 Redirect received non ipv4 VXLAN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_rx_encap_para

Description Enable automatic packet-capture for L3 Redirect decap Rx encap params error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_vlan_sanity_d

Description Enable automatic packet-capture for L3 Redirect Decap VLAN Sanity Drop during receipt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_error_drop

Description Enable automatic packet-capture for L3 Redirect encap error drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv4_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect ipv4 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv6_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_fragmentation_error

Description Enable automatic packet-capture for L3 redirect encap Fragmentation error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_inner_mac_zero_drop

Description Enable automatic packet-capture for L3 Redirect inner mac zero drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_invalid_dev_dir

Description Enable automatic packet-capture for L3 Redirect Invalid Device direction during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_rcvd_in_l2_mode_dro

Description Enable automatic packet-capture for Recevied l3 redirect packets in L2 mode Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_error

Description Enable automatic packet-capture for L3 Redirect Table error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_no_entry_foun

Description Enable automatic packet-capture for L3 redirect Table no redirect entry found error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_too_large_pkts_in_d

Description Enable automatic packet-capture for Received L3 Redirected fragmented packets too large

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_scaleout_not_active_drop

Description Enable automatic packet-capture for Scaleout Not Active Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_release_fail

Description Enable automatic packet-capture for Total SLB NAT release failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_reserve_fail

Description Enable automatic packet-capture for Total SLB NAT reserve failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_traffic_map_not_found_drop

Description Enable automatic packet-capture for Traffic MAP Not Found Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-logging

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-inc

Specification	
Type	*object*

http-logging-invalid-format

Description Enable automatic packet-capture for HTTP Logging Invalid Format Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-dropped

Description Enable automatic packet-capture for Log Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-logging_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

http-logging-invalid-format

Description Enable automatic packet-capture for HTTP Logging Invalid Format Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-dropped

Description Enable automatic packet-capture for Log Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-win

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-inc

Specification	
Type	*object*

kerberos-job-start-error

Description Enable automatic packet-capture for Total Kerberos Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-polling-control-error

Description Enable automatic packet-capture for Total Kerberos Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-pw-expiry

Description Enable automatic packet-capture for Total Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-request-dropped

Description Enable automatic packet-capture for Total Kerberos Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-error

Description Enable automatic packet-capture for Total Kerberos Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-timeout

Description Enable automatic packet-capture for Total Kerberos Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-timeout-error

Description Enable automatic packet-capture for Total Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-job-start-error

Description Enable automatic packet-capture for Total NTLM Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-polling-control-error

Description Enable automatic packet-capture for Total NTLM Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-prepare-req-failed

Description Enable automatic packet-capture for Total NTLM Prepare Request Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-proto-negotiation-failure

Description Enable automatic packet-capture for Total NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-request-dropped

Description Enable automatic packet-capture for Total NTLM Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-error

Description Enable automatic packet-capture for Total NTLM Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-timeout

Description Enable automatic packet-capture for Total NTLM Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-session-setup-failed

Description Enable automatic packet-capture for Total NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-timeout-error

Description Enable automatic packet-capture for Total NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

kerberos-job-start-error

Description Enable automatic packet-capture for Total Kerberos Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-polling-control-error

Description Enable automatic packet-capture for Total Kerberos Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-pw-expiry

Description Enable automatic packet-capture for Total Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-request-dropped

Description Enable automatic packet-capture for Total Kerberos Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-error

Description Enable automatic packet-capture for Total Kerberos Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-timeout

Description Enable automatic packet-capture for Total Kerberos Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-timeout-error

Description Enable automatic packet-capture for Total Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-job-start-error

Description Enable automatic packet-capture for Total NTLM Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-polling-control-error

Description Enable automatic packet-capture for Total NTLM Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-prepare-req-failed

Description Enable automatic packet-capture for Total NTLM Prepare Request Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-proto-negotiation-failure

Description Enable automatic packet-capture for Total NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-request-dropped

Description Enable automatic packet-capture for Total NTLM Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-error

Description Enable automatic packet-capture for Total NTLM Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-timeout

Description Enable automatic packet-capture for Total NTLM Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-session-setup-failed

Description Enable automatic packet-capture for Total NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-timeout-error

Description Enable automatic packet-capture for Total NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-inc

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Total Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Total Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for Total User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw-change-failure

Description Enable automatic packet-capture for Total password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Total Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-rate

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Total Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Total Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for Total User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw-change-failure

Description Enable automatic packet-capture for Total password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Total Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-ddos-protection

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-inc

Specification	
Type	*object*

ddos_entries_too_many

Description Enable automatic packet-capture for Too many DDOS entries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_add_to_bgp_failure

Description Enable automatic packet-capture for DDoS Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for DDOS entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_packet_dropped

Description Enable automatic packet-capture for DDOS Packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-rate

Specification	
Type	*object*

ddos_entries_too_many

Description Enable automatic packet-capture for Too many DDOS entries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_add_to_bgp_failure

Description Enable automatic packet-capture for DDoS Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for DDOS entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_packet_dropped

Description Enable automatic packet-capture for DDOS Packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-inc

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total OCSP Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total OCSP Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total OCSP Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total OCSP Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total OCSP Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-request-dropped

Description Enable automatic packet-capture for Total OCSP Stapling Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-error

Description Enable automatic packet-capture for Total OCSP Stapling Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-timeout

Description Enable automatic packet-capture for Total OCSP Stapling Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total OCSP Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total OCSP Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total OCSP Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total OCSP Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total OCSP Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-request-dropped

Description Enable automatic packet-capture for Total OCSP Stapling Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-error

Description Enable automatic packet-capture for Total OCSP Stapling Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-timeout

Description Enable automatic packet-capture for Total OCSP Stapling Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-logging-gtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-inc

Specification	
Type	*object*

log_type_gtp_out_of_order_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of Order IE V1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_type_gtp_out_of_state_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of State IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

log_type_gtp_out_of_order_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of Order IE V1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_type_gtp_out_of_state_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of State IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_ip-anomaly-drop

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-inc

Specification	
Type	*object*

bad_ip_flg

Description Enable automatic packet-capture for Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_frg_offset

Description Enable automatic packet-capture for Bad IP Fragment Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_hdrlen

Description Enable automatic packet-capture for Bad IP Header Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_payload_len

Description Enable automatic packet-capture for Bad IP Payload Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_ttl

Description Enable automatic packet-capture for Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_tcp_urg_offset

Description Enable automatic packet-capture for TCP Bad Urgent Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csum

Description Enable automatic packet-capture for Bad IP Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_frg

Description Enable automatic packet-capture for Empty Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_mic_frg

Description Enable automatic packet-capture for Micro Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frg

Description Enable automatic packet-capture for IPv4 Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gre_pptp_err

Description Enable automatic packet-capture for GRE PPTP Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_err

Description Enable automatic packet-capture for IP-over-IP Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_msmtch

Description Enable automatic packet-capture for IP-over-IP Tunnel Mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land

Description Enable automatic packet-capture for Land Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_ip_payload

Description Enable automatic packet-capture for No IP Payload drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre_err

Description Enable automatic packet-capture for GRE Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

opt

Description Enable automatic packet-capture for IPv4 Options Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over_ip_payload

Description Enable automatic packet-capture for Oversize IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pod

Description Enable automatic packet-capture for ICMP Ping of Death Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_ip_hdr

Description Enable automatic packet-capture for Runt IP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_tcp_udp_hdr

Description Enable automatic packet-capture for Runt TCP/UDP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_csum

Description Enable automatic packet-capture for TCP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_iplen

Description Enable automatic packet-capture for TCP Bad IP Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_frg_hdr

Description Enable automatic packet-capture for TCP Fragmented Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_frg

Description Enable automatic packet-capture for TCP Null Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_scan

Description Enable automatic packet-capture for TCP Null Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_opt_err

Description Enable automatic packet-capture for TCP Option Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_sht_hdr

Description Enable automatic packet-capture for TCP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_fin

Description Enable automatic packet-capture for TCP Syn and Fin Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_frg

Description Enable automatic packet-capture for TCP Syn Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas

Description Enable automatic packet-capture for TCP XMAS Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas_scan

Description Enable automatic packet-capture for TCP XMAS Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_csum

Description Enable automatic packet-capture for UDP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_len

Description Enable automatic packet-capture for UDP Bad Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_kerb_frg

Description Enable automatic packet-capture for UDP Kerberos Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_port_lb

Description Enable automatic packet-capture for UDP Port Loopback Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_srt_hdr

Description Enable automatic packet-capture for UDP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan_err

Description Enable automatic packet-capture for VXLAN Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-rate

Specification	
Type	*object*

bad_ip_flg

Description Enable automatic packet-capture for Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_frg_offset

Description Enable automatic packet-capture for Bad IP Fragment Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_hdrlen

Description Enable automatic packet-capture for Bad IP Header Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_payload_len

Description Enable automatic packet-capture for Bad IP Payload Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_ttl

Description Enable automatic packet-capture for Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_tcp_urg_offset

Description Enable automatic packet-capture for TCP Bad Urgent Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csum

Description Enable automatic packet-capture for Bad IP Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

emp_frg

Description Enable automatic packet-capture for Empty Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_mic_frg

Description Enable automatic packet-capture for Micro Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frg

Description Enable automatic packet-capture for IPv4 Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gre_pptp_err

Description Enable automatic packet-capture for GRE PPTP Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_err

Description Enable automatic packet-capture for IP-over-IP Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_msmtch

Description Enable automatic packet-capture for IP-over-IP Tunnel Mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land

Description Enable automatic packet-capture for Land Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_ip_payload

Description Enable automatic packet-capture for No IP Payload drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre_err

Description Enable automatic packet-capture for GRE Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

opt

Description Enable automatic packet-capture for IPv4 Options Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over_ip_payload

Description Enable automatic packet-capture for Oversize IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pod

Description Enable automatic packet-capture for ICMP Ping of Death Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_ip_hdr

Description Enable automatic packet-capture for Runt IP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_tcp_udp_hdr

Description Enable automatic packet-capture for Runt TCP/UDP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_csum

Description Enable automatic packet-capture for TCP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_iplen

Description Enable automatic packet-capture for TCP Bad IP Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_frg_hdr

Description Enable automatic packet-capture for TCP Fragmented Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_frg

Description Enable automatic packet-capture for TCP Null Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_scan

Description Enable automatic packet-capture for TCP Null Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_opt_err

Description Enable automatic packet-capture for TCP Option Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_sht_hdr

Description Enable automatic packet-capture for TCP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_fin

Description Enable automatic packet-capture for TCP Syn and Fin Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_frg

Description Enable automatic packet-capture for TCP Syn Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas

Description Enable automatic packet-capture for TCP XMAS Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas_scan

Description Enable automatic packet-capture for TCP XMAS Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_bad_csum

Description Enable automatic packet-capture for UDP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_len

Description Enable automatic packet-capture for UDP Bad Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_kerb_frg

Description Enable automatic packet-capture for UDP Kerberos Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_port_lb

Description Enable automatic packet-capture for UDP Port Loopback Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_srt_hdr

Description Enable automatic packet-capture for UDP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan_err

Description Enable automatic packet-capture for VXLAN Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_trigger-sys-obj-stats-change_cgnv6-http-alg

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-inc

Specification	
Type	*object*

header-insertion-failed

Description Enable automatic packet-capture for Buff Insertion Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-removal-failed

Description Enable automatic packet-capture for Buff Removal Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-memory-dropped

Description Enable automatic packet-capture for Out-of-Memory Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-dropped

Description Enable automatic packet-capture for Packet Out-of-Order Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

queue-len-exceed-dropped

Description Enable automatic packet-capture for Queue Length Exceed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-requst-dropped

Description Enable automatic packet-capture for Query Request Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-response-dropped

Description Enable automatic packet-capture for Query Response Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

header-insertion-failed

Description Enable automatic packet-capture for Buff Insertion Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-removal-failed

Description Enable automatic packet-capture for Buff Removal Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-memory-dropped

Description Enable automatic packet-capture for Out-of-Memory Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-dropped

Description Enable automatic packet-capture for Packet Out-of-Order Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

queue-len-exceed-dropped

Description Enable automatic packet-capture for Queue Length Exceed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-requst-dropped

Description Enable automatic packet-capture for Query Request Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-response-dropped

Description Enable automatic packet-capture for Query Response Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-rad-server

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-inc

Specification	
Type	*object*

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-key

Description Enable automatic packet-capture for Radius Request has Invalid Key Field

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-table-full

Description Enable automatic packet-capture for RADIUS Request Dropped (Table Full)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-key

Description Enable automatic packet-capture for Radius Request has Invalid Key Field

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-table-full

Description Enable automatic packet-capture for RADIUS Request Dropped (Table Full)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other-error

Description Enable automatic packet-capture for Total Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other-error

Description Enable automatic packet-capture for Total Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for MGCP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for MGCP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for SIP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for SIP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-inc

Specification	
Type	*object*

packets-dropped

Description Enable automatic packet-capture for Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkts-dropped-during-clear

Description Enable automatic packet-capture for Packets dropped during clear bindings process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

packets-dropped

Description Enable automatic packet-capture for Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkts-dropped-during-clear

Description Enable automatic packet-capture for Packets dropped during clear bindings process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-fpga-drop

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-inc

Specification	
Type	*object*

bad-ip-chksum-drop

Description Enable automatic packet-capture for Total Bad IP csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-flags-drop

Description Enable automatic packet-capture for Total Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-frag-offset

Description Enable automatic packet-capture for Total Bad IP frag off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-hdr-len

Description Enable automatic packet-capture for Total Bad IP hdr len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-payload-len

Description Enable automatic packet-capture for Total Bad IP PL len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-ttl-drop

Description Enable automatic packet-capture for Total Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

empty-frag-drop

Description Enable automatic packet-capture for Total Empty frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fcs-drop

Description Enable automatic packet-capture for Total FCS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hrx-drop

Description Enable automatic packet-capture for Total HRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-pod-drop

Description Enable automatic packet-capture for Total ICMP POD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-frag

Description Enable automatic packet-capture for Total IP frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-opt-drop

Description Enable automatic packet-capture for Total IPv4 opt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-drop

Description Enable automatic packet-capture for Total LAND Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mic-frag-drop

Description Enable automatic packet-capture for Total Micro frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mrx-drop

Description Enable automatic packet-capture for Total MRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ip-payload-drop

Description Enable automatic packet-capture for Total No IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oversize-ip-payload

Description Enable automatic packet-capture for Total Oversize IP PL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qdr-drop

Description Enable automatic packet-capture for Total QDR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-ip-hdr

Description Enable automatic packet-capture for Total Runt IP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-tcpudp-hdr

Description Enable automatic packet-capture for Total Runt TCPUDP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

siz-drop

Description Enable automatic packet-capture for Total Size Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-chksum

Description Enable automatic packet-capture for Total TCP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-ip-len

Description Enable automatic packet-capture for Total TCP Bad IP Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-urg-offet

Description Enable automatic packet-capture for Total TCP bad urg off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-fin-sin

Description Enable automatic packet-capture for Total TCP SYN&FIN Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-frag-hdr

Description Enable automatic packet-capture for Total TCP frag header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-flags

Description Enable automatic packet-capture for Total TCP null flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-scan

Description Enable automatic packet-capture for Total TCP null scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-short-hdr

Description Enable automatic packet-capture for Total TCP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description Enable automatic packet-capture for Total TCP SYN frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-flags

Description Enable automatic packet-capture for Total TCP XMAS FLAGS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-scan

Description Enable automatic packet-capture for Total TCP XMAS scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tun-mismatch

Description Enable automatic packet-capture for Total Tun mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-chksum

Description Enable automatic packet-capture for Total UDP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-ip-len

Description Enable automatic packet-capture for Total UDP bad leng Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-kb-frags

Description Enable automatic packet-capture for Total UDP KB frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port-lb

Description Enable automatic packet-capture for Total UDP port LB Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-short-hdr

Description Enable automatic packet-capture for Total UDP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-rate

Specification	
Type	*object*

bad-ip-chksum-drop

Description Enable automatic packet-capture for Total Bad IP csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-flags-drop

Description Enable automatic packet-capture for Total Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-frag-offset

Description Enable automatic packet-capture for Total Bad IP frag off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-hdr-len

Description Enable automatic packet-capture for Total Bad IP hdr len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-payload-len

Description Enable automatic packet-capture for Total Bad IP PL len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-ttl-drop

Description Enable automatic packet-capture for Total Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

empty-frag-drop

Description Enable automatic packet-capture for Total Empty frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fcs-drop

Description Enable automatic packet-capture for Total FCS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hrx-drop

Description Enable automatic packet-capture for Total HRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-pod-drop

Description Enable automatic packet-capture for Total ICMP POD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-frag

Description Enable automatic packet-capture for Total IP frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-opt-drop

Description Enable automatic packet-capture for Total IPv4 opt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-drop

Description Enable automatic packet-capture for Total LAND Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mic-frag-drop

Description Enable automatic packet-capture for Total Micro frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mrx-drop

Description Enable automatic packet-capture for Total MRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ip-payload-drop

Description Enable automatic packet-capture for Total No IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oversize-ip-payload

Description Enable automatic packet-capture for Total Oversize IP PL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qdr-drop

Description Enable automatic packet-capture for Total QDR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-ip-hdr

Description Enable automatic packet-capture for Total Runt IP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-tcpudp-hdr

Description Enable automatic packet-capture for Total Runt TCPUDP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

siz-drop

Description Enable automatic packet-capture for Total Size Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-chksum

Description Enable automatic packet-capture for Total TCP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-ip-len

Description Enable automatic packet-capture for Total TCP Bad IP Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-urg-offet

Description Enable automatic packet-capture for Total TCP bad urg off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-fin-sin

Description Enable automatic packet-capture for Total TCP SYN&FIN Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-frag-hdr

Description Enable automatic packet-capture for Total TCP frag header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-flags

Description Enable automatic packet-capture for Total TCP null flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-scan

Description Enable automatic packet-capture for Total TCP null scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-short-hdr

Description Enable automatic packet-capture for Total TCP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description Enable automatic packet-capture for Total TCP SYN frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-flags

Description Enable automatic packet-capture for Total TCP XMAS FLAGS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-scan

Description Enable automatic packet-capture for Total TCP XMAS scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tun-mismatch

Description Enable automatic packet-capture for Total Tun mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-chksum

Description Enable automatic packet-capture for Total UDP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-ip-len

Description Enable automatic packet-capture for Total UDP bad leng Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-kb-frags

Description Enable automatic packet-capture for Total UDP KB frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port-lb

Description Enable automatic packet-capture for Total UDP port LB Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-short-hdr

Description Enable automatic packet-capture for Total UDP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-authentication-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-inc

Specification	
Type	*object*

aflex-authz-fail

Description Enable automatic packet-capture for Total Authorization failure number in aFleX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authn-failure

Description Enable automatic packet-capture for Total Authentication failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authz-failure

Description Enable automatic packet-capture for Total Authorization failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect-failed

Description Enable automatic packet-capture for Total AAM Connect Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-timer-failed

Description Enable automatic packet-capture for Total AAM Timer Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-resolve-failed

Description Enable automatic packet-capture for Total AAM DNS resolve failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-socket-option-failed

Description Enable automatic packet-capture for Total AAM Get Socket Option Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misses

Description Enable automatic packet-capture for Total Authentication Request Missed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-socket-failed

Description Enable automatic packet-capture for Total AAM Open Socket Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-rate

Specification	
Type	*object*

aflex-authz-fail

Description Enable automatic packet-capture for Total Authorization failure number in aFleX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authn-failure

Description Enable automatic packet-capture for Total Authentication failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authz-failure

Description Enable automatic packet-capture for Total Authorization failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect-failed

Description Enable automatic packet-capture for Total AAM Connect Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-timer-failed

Description Enable automatic packet-capture for Total AAM Timer Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-resolve-failed

Description Enable automatic packet-capture for Total AAM DNS resolve failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

get-socket-option-failed

Description Enable automatic packet-capture for Total AAM Get Socket Option Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misses

Description Enable automatic packet-capture for Total Authentication Request Missed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-socket-failed

Description Enable automatic packet-capture for Total AAM Open Socket Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-alg-rtsp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-inc

Specification	
Type	*object*

transport-alloc-failure

Description Enable automatic packet-capture for Transport Alloc Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

transport-alloc-failure

Description Enable automatic packet-capture for Transport Alloc Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-switch

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-inc

Specification	
Type	*object*

badpkt_drop

Description Enable automatic packet-capture for Bad Pkt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incorrect_len_drop

Description Enable automatic packet-capture for Incorrect Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_rx_arp_pkt

Description Enable automatic packet-capture for Invalid ARP PKT Rcvd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_sender_mac_arp_drop

Description Enable automatic packet-capture for ARP PKT dropped due to invalid sender MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_defrag_invalid_len

Description Enable automatic packet-capture for IP Invalid Length Frag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_oversize

Description Enable automatic packet-capture for IP Fragment oversize

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_too_many

Description Enable automatic packet-capture for IP Fragment too many

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_ipip_dropped

Description Enable automatic packet-capture for IP Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overlap

Description Enable automatic packet-capture for IP Fragment Overlap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overload

Description Enable automatic packet-capture for IP Frag Overload Drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_reasmfails

Description Enable automatic packet-capture for IP Fragment Reasm Fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_tcp_dropped

Description Enable automatic packet-capture for IP Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_timeout

Description Enable automatic packet-capture for IP Fragment Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_udp_dropped

Description Enable automatic packet-capture for IP Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4_frag_6rd_drop

Description Enable automatic packet-capture for IPv4 Frag 6RD Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_gre_dropped

Description Enable automatic packet-capture for IPv6 Frag gre Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_ipip_dropped

Description Enable automatic packet-capture for IPv6 Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_tcp_dropped

Description Enable automatic packet-capture for IPv6 Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_udp_dropped

Description Enable automatic packet-capture for IPv6 Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prot_down_drop

Description Enable automatic packet-capture for Prot Down Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl_exceeded_drop

Description Enable automatic packet-capture for TTL Exceeded Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unknown_prot_drop

Description Enable automatic packet-capture for Unknown Prot Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-switch_trigger-stats-rate

Specification	
Type	*object*

badpkt_drop

Description Enable automatic packet-capture for Bad Pkt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

incorrect_len_drop

Description Enable automatic packet-capture for Incorrect Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_rx_arp_pkt

Description Enable automatic packet-capture for Invalid ARP PKT Rcvd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_sender_mac_arp_drop

Description Enable automatic packet-capture for ARP PKT dropped due to invalid sender MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_defrag_invalid_len

Description Enable automatic packet-capture for IP Invalid Length Frag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_oversize

Description Enable automatic packet-capture for IP Fragment oversize

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_too_many

Description Enable automatic packet-capture for IP Fragment too many

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_ipip_dropped

Description Enable automatic packet-capture for IP Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overlap

Description Enable automatic packet-capture for IP Fragment Overlap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overload

Description Enable automatic packet-capture for IP Frag Overload Drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_reasmfails

Description Enable automatic packet-capture for IP Fragment Reasm Fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_tcp_dropped

Description Enable automatic packet-capture for IP Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_timeout

Description Enable automatic packet-capture for IP Fragment Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_udp_dropped

Description Enable automatic packet-capture for IP Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4_frag_6rd_drop

Description Enable automatic packet-capture for IPv4 Frag 6RD Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_gre_dropped

Description Enable automatic packet-capture for IPv6 Frag gre Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_ipip_dropped

Description Enable automatic packet-capture for IPv6 Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_tcp_dropped

Description Enable automatic packet-capture for IPv6 Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_udp_dropped

Description Enable automatic packet-capture for IPv6 Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prot_down_drop

Description Enable automatic packet-capture for Prot Down Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

ttl_exceeded_drop

Description Enable automatic packet-capture for TTL Exceeded Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unknown_prot_drop

Description Enable automatic packet-capture for Unknown Prot Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-inc

Specification	
Type	*object*

adc_port_allocation_failed

Description Enable automatic packet-capture for ADC Port Allocation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_failure

Description Enable automatic packet-capture for LSN Fullcone Extension Memory Allocate Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_init_faulure

Description Enable automatic packet-capture for LSN Fullcone Extension Initialization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_alloc_single_port_failure

Description Enable automatic packet-capture for H323 ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_filtered

Description Enable automatic packet-capture for Endpoint-Dependent Filtering Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_port_pair_alloc_from_quota_par

Description Enable automatic packet-capture for MGCP ALG Port Pair Allocated From Quota Partition Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new_user_resource_unavailable

Description Enable automatic packet-capture for New User NAT Resource Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_class_list_match

Description Enable automatic packet-capture for No Class-List Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_inc_overflow

Description Enable automatic packet-capture for Port Overloading Inc Overflow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_out_of_memory

Description Enable automatic packet-capture for Port Overloading Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_rtp_rtcp_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc RTP/RTCP NAT Ports Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_single_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_quota_inc_failure

Description Enable automatic packet-capture for SIP ALG User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby_class_list_drop

Description Enable automatic packet-capture for HA Standby Class-List drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-rate

Specification	
Type	*object*

adc_port_allocation_failed

Description Enable automatic packet-capture for ADC Port Allocation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_failure

Description Enable automatic packet-capture for LSN Fullcone Extension Memory Allocate Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_init_faulure

Description Enable automatic packet-capture for LSN Fullcone Extension Initialization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_alloc_single_port_failure

Description Enable automatic packet-capture for H323 ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_filtered

Description Enable automatic packet-capture for Endpoint-Dependent Filtering Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_port_pair_alloc_from_quota_par

Description Enable automatic packet-capture for MGCP ALG Port Pair Allocated From Quota Partition Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new_user_resource_unavailable

Description Enable automatic packet-capture for New User NAT Resource Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_class_list_match

Description Enable automatic packet-capture for No Class-List Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_inc_overflow

Description Enable automatic packet-capture for Port Overloading Inc Overflow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_out_of_memory

Description Enable automatic packet-capture for Port Overloading Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_rtp_rtcp_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc RTP/RTCP NAT Ports Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_single_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_quota_inc_failure

Description Enable automatic packet-capture for SIP ALG User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby_class_list_drop

Description Enable automatic packet-capture for HA Standby Class-List drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-mssql

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-inc

Specification	
Type	*object*

auth_failure

Description Enable automatic packet-capture for Authentication Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-mssql_trigger-stats-rate

Specification	
Type	*object*

auth_failure

Description Enable automatic packet-capture for Authentication Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-logging

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-inc

Specification	
Type	*object*

conn-tcp-dropped

Description Enable automatic packet-capture for TCP Connection Lost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-rate

Specification	
Type	*object*

conn-tcp-dropped

Description Enable automatic packet-capture for TCP Connection Lost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-generic

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-inc

Specification	
Type	*object*

no_route

Description Enable automatic packet-capture for Number of no routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Number of snat failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Number of server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-generic_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

no_route

Description Enable automatic packet-capture for Number of no routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Number of snat failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Number of server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ftp-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-inc

Specification	
Type	*object*

auth_fail

Description Enable automatic packet-capture for Auth Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-rate

Specification	
Type	*object*

auth_fail

Description Enable automatic packet-capture for Auth Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-l4

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-inc

Specification	
Type	*object*

bw_rate_limit_exceed

Description Enable automatic packet-capture for BW-Limit Exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent_conn_exceed

Description Enable automatic packet-capture for L3V Conn Limit Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_drop

Description Enable automatic packet-capture for Conn rate limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_reset

Description Enable automatic packet-capture for Conn rate limit resets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connlimit_drop

Description Enable automatic packet-capture for Conn Limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_policy_drop

Description Enable automatic packet-capture for DNS Policy Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_cps_exceed

Description Enable automatic packet-capture for L4 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7_cps_exceed

Description Enable automatic packet-capture for L7 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_cps_exceed

Description Enable automatic packet-capture for NAT CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_resourse_drop

Description Enable automatic packet-capture for No resource drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_vport_drop

Description Enable automatic packet-capture for vport not matching drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

novport_drop

Description Enable automatic packet-capture for NAT no session drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_cps_exceed

Description Enable automatic packet-capture for SSL CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_tpt_exceed

Description Enable automatic packet-capture for SSL TPT exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrselfail

Description Enable automatic packet-capture for Server sel failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiescheckfailed

Description Enable automatic packet-capture for TCP SYN cookie failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiessentfailed

Description Enable automatic packet-capture for TCP SYN cookie snt fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-l4_trigger-stats-rate

Specification	
Type	*object*

bw_rate_limit_exceed

Description Enable automatic packet-capture for BW-Limit Exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent_conn_exceed

Description Enable automatic packet-capture for L3V Conn Limit Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_drop

Description Enable automatic packet-capture for Conn rate limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_reset

Description Enable automatic packet-capture for Conn rate limit resets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connlimit_drop

Description Enable automatic packet-capture for Conn Limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_policy_drop

Description Enable automatic packet-capture for DNS Policy Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

l4_cps_exceed

Description Enable automatic packet-capture for L4 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7_cps_exceed

Description Enable automatic packet-capture for L7 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_cps_exceed

Description Enable automatic packet-capture for NAT CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_resourse_drop

Description Enable automatic packet-capture for No resource drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_vport_drop

Description Enable automatic packet-capture for vport not matching drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

novport_drop

Description Enable automatic packet-capture for NAT no session drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_cps_exceed

Description Enable automatic packet-capture for SSL CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_tpt_exceed

Description Enable automatic packet-capture for SSL TPT exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrselfail

Description Enable automatic packet-capture for Server sel failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiescheckfailed

Description Enable automatic packet-capture for TCP SYN cookie failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiessentfailed

Description Enable automatic packet-capture for TCP SYN cookie snt fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-smtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-inc

Specification	
Type	*object*

get_all_headers_fail

Description Enable automatic packet-capture for Get all headers fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_resonse_line_fail

Description Enable automatic packet-capture for Ins response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_extend_fail

Description Enable automatic packet-capture for Line extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_table_extend_fail

Description Enable automatic packet-capture for Table extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_too_long

Description Enable automatic packet-capture for Line too long

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

read_request_line_fail

Description Enable automatic packet-capture for Read request line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv_server_unknow_reply_code

Description Enable automatic packet-capture for Recv server unknown-code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove_resonse_line_fail

Description Enable automatic packet-capture for Del response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send_client_service_not_ready

Description Enable automatic packet-capture for Sent client serv-not-rdy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

too_many_headers

Description Enable automatic packet-capture for Too many headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-smtp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

get_all_headers_fail

Description Enable automatic packet-capture for Get all headers fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_resonse_line_fail

Description Enable automatic packet-capture for Ins response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_extend_fail

Description Enable automatic packet-capture for Line extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_table_extend_fail

Description Enable automatic packet-capture for Table extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_too_long

Description Enable automatic packet-capture for Line too long

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

read_request_line_fail

Description Enable automatic packet-capture for Read request line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv_server_unknow_reply_code

Description Enable automatic packet-capture for Recv server unknown-code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove_resonse_line_fail

Description Enable automatic packet-capture for Del response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send_client_service_not_ready

Description Enable automatic packet-capture for Sent client serv-not-rdy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

too_many_headers

Description Enable automatic packet-capture for Too many headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_logging-local-log-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-inc

Specification	
Type	*object*

enqueue-error

Description Enable automatic packet-capture for Total local-log enqueue error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enqueue-full

Description Enable automatic packet-capture for Total local-log queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

enqueue-error

Description Enable automatic packet-capture for Total local-log enqueue error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enqueue-full

Description Enable automatic packet-capture for Total local-log queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-crl-srcip

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-inc

Specification	
Type	*object*

lockout_drop

Description Enable automatic packet-capture for Lockout drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out_of_sessions

Description Enable automatic packet-capture for Out of sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold_exceed

Description Enable automatic packet-capture for Threshold exceeded count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

lockout_drop

Description Enable automatic packet-capture for Lockout drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out_of_sessions

Description Enable automatic packet-capture for Out of sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

threshold_exceed

Description Enable automatic packet-capture for Threshold exceeded count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-account

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-inc

Specification	
Type	*object*

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-captcha

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-inc

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attribute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-rate

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attribute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-inc

Specification	
Type	*object*

fullcone_creation_failure

Description Enable automatic packet-capture for Full-Cone Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_fw-global_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fullcone_creation_failure

Description Enable automatic packet-capture for Full-Cone Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-spdy-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-inc

Specification	
Type	*object*

ctx_alloc_fail

Description Enable automatic packet-capture for Context alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http_conn_alloc_fail

Description Enable automatic packet-capture for HTTP connection allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request_header_alloc_fail

Description Enable automatic packet-capture for Request/Header allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stream_alloc_fail

Description Enable automatic packet-capture for Stream alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-rate

Specification	
Type	*object*

ctx_alloc_fail

Description Enable automatic packet-capture for Context alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

http_conn_alloc_fail

Description Enable automatic packet-capture for HTTP connection allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request_header_alloc_fail

Description Enable automatic packet-capture for Request/Header allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stream_alloc_fail

Description Enable automatic packet-capture for Stream alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-hw-compress

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-inc

Specification	
Type	*object*

max_outstanding_request_count

Description Enable automatic packet-capture for Max queued request count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max_outstanding_submit_count

Description Enable automatic packet-capture for Max queued submit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ring_full_count

Description Enable automatic packet-capture for Compression queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

max_outstanding_request_count

Description Enable automatic packet-capture for Max queued request count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max_outstanding_submit_count

Description Enable automatic packet-capture for Max queued submit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ring_full_count

Description Enable automatic packet-capture for Compression queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-inc

Specification	
Type	*object*

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-dpdk-stats

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-inc

Specification	
Type	*object*

err-pkt-drop

Description Enable automatic packet-capture for Total error packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-ring-drop

Description Enable automatic packet-capture for Total IO core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-rx-que-drop

Description Enable automatic packet-capture for Total IO core Rx queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-tx-que-drop

Description Enable automatic packet-capture for Total IO core TX queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-drop

Description Enable automatic packet-capture for Total packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-lnk-down-drop

Description Enable automatic packet-capture for Total packets link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-align-err

Description Enable automatic packet-capture for Total RX packet align error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-crc-err

Description Enable automatic packet-capture for Total RX packet CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-csum-offload-err

Description Enable automatic packet-capture for Total Rx packet check-sum offload error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-err

Description Enable automatic packet-capture for Total RX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-frame-err

Description Enable automatic packet-capture for Total RX packet frame error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-len-err

Description Enable automatic packet-capture for Total RX packet length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-long-len-err

Description Enable automatic packet-capture for Total RX packet long length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-miss-err

Description Enable automatic packet-capture for Total RX packet miss error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-no-buff-err

Description Enable automatic packet-capture for Total RX packet no buffer error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-over-err

Description Enable automatic packet-capture for Total RX packet over error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-short-len-err

Description Enable automatic packet-capture for Total RX packet short length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-abort-err

Description Enable automatic packet-capture for Total TX packet abort error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-carrier-err

Description Enable automatic packet-capture for Total TX packert carrier error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-drop

Description Enable automatic packet-capture for Total TX packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-err

Description Enable automatic packet-capture for Total TX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-fifo-err

Description Enable automatic packet-capture for Total TX packet fifo error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-hbeat-err

Description Enable automatic packet-capture for Total TX packet HBEAT error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-windows-err

Description Enable automatic packet-capture for Total TX windows error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

w-link-down-drop

Description Enable automatic packet-capture for Total worker core link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-ring-drop

Description Enable automatic packet-capture for Total worker core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-tx-que-drop

Description Enable automatic packet-capture for Total worker core queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

err-pkt-drop

Description Enable automatic packet-capture for Total error packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-ring-drop

Description Enable automatic packet-capture for Total IO core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-rx-que-drop

Description Enable automatic packet-capture for Total IO core Rx queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-tx-que-drop

Description Enable automatic packet-capture for Total IO core TX queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-drop

Description Enable automatic packet-capture for Total packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-lnk-down-drop

Description Enable automatic packet-capture for Total packets link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-align-err

Description Enable automatic packet-capture for Total RX packet align error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-crc-err

Description Enable automatic packet-capture for Total RX packet CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-csum-offload-err

Description Enable automatic packet-capture for Total Rx packet check-sum offload error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-err

Description Enable automatic packet-capture for Total RX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-frame-err

Description Enable automatic packet-capture for Total RX packet frame error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-len-err

Description Enable automatic packet-capture for Total RX packet length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-long-len-err

Description Enable automatic packet-capture for Total RX packet long length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-miss-err

Description Enable automatic packet-capture for Total RX packet miss error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-no-buff-err

Description Enable automatic packet-capture for Total RX packet no buffer error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-over-err

Description Enable automatic packet-capture for Total RX packet over error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-short-len-err

Description Enable automatic packet-capture for Total RX packet short length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tx-abort-err

Description Enable automatic packet-capture for Total TX packet abort error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-carrier-err

Description Enable automatic packet-capture for Total TX packert carrier error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-drop

Description Enable automatic packet-capture for Total TX packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-err

Description Enable automatic packet-capture for Total TX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-fifo-err

Description Enable automatic packet-capture for Total TX packet fifo error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-hbeat-err

Description Enable automatic packet-capture for Total TX packet HBEAT error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-windows-err

Description Enable automatic packet-capture for Total TX windows error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

w-link-down-drop

Description Enable automatic packet-capture for Total worker core link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-ring-drop

Description Enable automatic packet-capture for Total worker core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-tx-que-drop

Description Enable automatic packet-capture for Total worker core queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-inc

Specification	
Type	*object*

ip_node_alloc_failure

Description Enable automatic packet-capture for Node alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_other_block_alloc_failure

Description Enable automatic packet-capture for Other block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_port_block_alloc_failure

Description Enable automatic packet-capture for Port block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_bgp_failure

Description Enable automatic packet-capture for L3 Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_hw_failure

Description Enable automatic packet-capture for L3 entry HW add failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_drop_max_hw_exceeded

Description Enable automatic packet-capture for L3 Entry Drop due to HW Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop

Description Enable automatic packet-capture for L3 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop_hw

Description Enable automatic packet-capture for L3 HW entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for L3 entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_list_alloc_failure

Description Enable automatic packet-capture for L4 Entry list alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop

Description Enable automatic packet-capture for L4 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop_hw

Description Enable automatic packet-capture for L4 HW Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn_cookie_verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ip_node_alloc_failure

Description Enable automatic packet-capture for Node alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_other_block_alloc_failure

Description Enable automatic packet-capture for Other block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_port_block_alloc_failure

Description Enable automatic packet-capture for Port block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_bgp_failure

Description Enable automatic packet-capture for L3 Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_hw_failure

Description Enable automatic packet-capture for L3 entry HW add failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_drop_max_hw_exceeded

Description Enable automatic packet-capture for L3 Entry Drop due to HW Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop

Description Enable automatic packet-capture for L3 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop_hw

Description Enable automatic packet-capture for L3 HW entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for L3 entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_list_alloc_failure

Description Enable automatic packet-capture for L4 Entry list alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop

Description Enable automatic packet-capture for L4 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop_hw

Description Enable automatic packet-capture for L4 HW Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn_cookie_verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-imap-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-inc

Specification	
Type	*object*

cl_est_err

Description Enable automatic packet-capture for Client EST state erro

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cl_request_err

Description Enable automatic packet-capture for Client RQ state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_send_fail

Description Enable automatic packet-capture for data send fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_server_conn_fail

Description Enable automatic packet-capture for data svr conn fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ser_connecting_err

Description Enable automatic packet-capture for Serv CTNG state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_response_err

Description Enable automatic packet-capture for Serv RESP state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-rate

Specification	
Type	*object*

cl_est_err

Description Enable automatic packet-capture for Client EST state erro

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cl_request_err

Description Enable automatic packet-capture for Client RQ state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_send_fail

Description Enable automatic packet-capture for data send fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_server_conn_fail

Description Enable automatic packet-capture for data svr conn fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ser_connecting_err

Description Enable automatic packet-capture for Serv CTNG state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_response_err

Description Enable automatic packet-capture for Serv RESP state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-inc

Specification	
Type	*object*

crl_cache_status_revoked

Description Enable automatic packet-capture for CRL cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_connection_error

Description Enable automatic packet-capture for CRL connection errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_other_error

Description Enable automatic packet-capture for CRL other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_revoked

Description Enable automatic packet-capture for CRL response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_unknown

Description Enable automatic packet-capture for CRL response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_https

Description Enable automatic packet-capture for CRL URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_not_found

Description Enable automatic packet-capture for CRL URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_unsupported

Description Enable automatic packet-capture for CRL URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_miss

Description Enable automatic packet-capture for OCSP cache miss

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_status_revoked

Description Enable automatic packet-capture for OCSP cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_revoked

Description Enable automatic packet-capture for Certificate chain status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_unknown

Description Enable automatic packet-capture for Certificate chain status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_connection_error

Description Enable automatic packet-capture for OCSP connection error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_other_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_no_nonce

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_nonce_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_revoked

Description Enable automatic packet-capture for OCSP response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_unknown

Description Enable automatic packet-capture for OCSP response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_https

Description Enable automatic packet-capture for Log OCSP URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_not_found

Description Enable automatic packet-capture for OCSP URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_unsupported

Description Enable automatic packet-capture for OCSP URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-rate

Specification	
Type	*object*

crl_cache_status_revoked

Description Enable automatic packet-capture for CRL cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_connection_error

Description Enable automatic packet-capture for CRL connection errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_other_error

Description Enable automatic packet-capture for CRL other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_revoked

Description Enable automatic packet-capture for CRL response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_unknown

Description Enable automatic packet-capture for CRL response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_https

Description Enable automatic packet-capture for CRL URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_not_found

Description Enable automatic packet-capture for CRL URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_unsupported

Description Enable automatic packet-capture for CRL URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ocsp_cache_miss

Description Enable automatic packet-capture for OCSP cache miss

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_status_revoked

Description Enable automatic packet-capture for OCSP cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_revoked

Description Enable automatic packet-capture for Certificate chain status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_unknown

Description Enable automatic packet-capture for Certificate chain status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_connection_error

Description Enable automatic packet-capture for OCSP connection error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_other_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_no_nonce

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_nonce_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_revoked

Description Enable automatic packet-capture for OCSP response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_unknown

Description Enable automatic packet-capture for OCSP response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_https

Description Enable automatic packet-capture for Log OCSP URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_not_found

Description Enable automatic packet-capture for OCSP URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_unsupported

Description Enable automatic packet-capture for OCSP URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-radius-server

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-inc

Specification	
Type	*object*

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-ignored

Description Enable automatic packet-capture for RADIUS Request Ignored

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_system-radius-server_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-ignored

Description Enable automatic packet-capture for RADIUS Request Ignored

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-link-probe

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-inc

Specification	
Type	*object*

err_entry_create_failed

Description Enable automatic packet-capture for Entry Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_create_oom

Description Enable automatic packet-capture for Entry Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_insert_failed

Description Enable automatic packet-capture for Entry Insert Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_l4_sess_alloc

Description Enable automatic packet-capture for Error allocating L4 session for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_probe_tcp_conn_send

Description Enable automatic packet-capture for Error in initiating TCP connection for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_alloc

Description Enable automatic packet-capture for Error creating Smart NAT Instance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_port_alloc

Description Enable automatic packet-capture for Error obtaining Smart NAT source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_failed

Description Enable automatic packet-capture for Probe Template Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_oom

Description Enable automatic packet-capture for Probe Template Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

err_entry_create_failed

Description Enable automatic packet-capture for Entry Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_create_oom

Description Enable automatic packet-capture for Entry Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_insert_failed

Description Enable automatic packet-capture for Entry Insert Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_l4_sess_alloc

Description Enable automatic packet-capture for Error allocating L4 session for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_probe_tcp_conn_send

Description Enable automatic packet-capture for Error in initiating TCP connection for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_alloc

Description Enable automatic packet-capture for Error creating Smart NAT Instance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_port_alloc

Description Enable automatic packet-capture for Error obtaining Smart NAT source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_failed

Description Enable automatic packet-capture for Probe Template Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_oom

Description Enable automatic packet-capture for Probe Template Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-l4

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-inc

Specification	
Type	*object*

icmp-host-unreachable-sent

Description Enable automatic packet-capture for ICMP Host Unreachable Sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-reply-no-session-drop

Description Enable automatic packet-capture for ICMP Reply No Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-dst-invalid-unicast

Description Enable automatic packet-capture for IPv4 Destination Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-src-invalid-unicast

Description Enable automatic packet-capture for IPv4 Source Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip-truncated

Description Enable automatic packet-capture for IPIP Truncated Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Session Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate_drop_reset_unkn

Description Enable automatic packet-capture for Rate Drop reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

icmp-host-unreachable-sent

Description Enable automatic packet-capture for ICMP Host Unreachable Sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-reply-no-session-drop

Description Enable automatic packet-capture for ICMP Reply No Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-dst-invalid-unicast

Description Enable automatic packet-capture for IPv4 Destination Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-src-invalid-unicast

Description Enable automatic packet-capture for IPv4 Source Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip-truncated

Description Enable automatic packet-capture for IPIP Truncated Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Session Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate_drop_reset_unkn

Description Enable automatic packet-capture for Rate Drop reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-saml-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-inc

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for Total SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-rate

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for Total SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-inc

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_pool_unusable

Description Enable automatic packet-capture for NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_unusable_drop

Description Enable automatic packet-capture for User-Quota Unusable Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-rate

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_pool_unusable

Description Enable automatic packet-capture for NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_unusable_drop

Description Enable automatic packet-capture for User-Quota Unusable Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-rc-cache

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-inc

Specification	
Type	*object*

entry_create_failures

Description Enable automatic packet-capture for Entry Create failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rv_failure

Description Enable automatic packet-capture for Revalidation Failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

entry_create_failures

Description Enable automatic packet-capture for Entry Create failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rv_failure

Description Enable automatic packet-capture for Revalidation Failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-dns64

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-inc

Specification	
Type	*object*

drop

Description Enable automatic packet-capture for Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-err

Description Enable automatic packet-capture for Response Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-rate

Specification	
Type	*object*

drop

Description Enable automatic packet-capture for Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

resp-err

Description Enable automatic packet-capture for Response Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-http2

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-inc

Specification	
Type	*object*

alloc_fail_total

Description Enable automatic packet-capture for Alloc Fail - Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff_alloc_error

Description Enable automatic packet-capture for Buff alloc error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_control_frame

Description Enable automatic packet-capture for Cant allocate control frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_goaway_frame

Description Enable automatic packet-capture for Cant allocate GOAWAY frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_ping_frame

Description Enable automatic packet-capture for Cant allocate PING frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_rst_frame

Description Enable automatic packet-capture for Cant allocate RST_STREAM frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_settings_frame

Description Enable automatic packet-capture for Cant allocate SETTINGS frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_stream

Description Enable automatic packet-capture for Cant allocate stream

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_window_frame

Description Enable automatic packet-capture for Cant allocate WINDOW_UPDATE frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_queue_alloc_error

Description Enable automatic packet-capture for Data Queue Alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deflate_alloc_fail

Description Enable automatic packet-capture for deflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inflate_alloc_fail

Description Enable automatic packet-capture for inflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy_alloc_error

Description Enable automatic packet-capture for HTTP2 Proxy alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-change_slb-http2_trigger-stats-rate

Specification	
Type	*object*

alloc_fail_total

Description Enable automatic packet-capture for Alloc Fail - Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff_alloc_error

Description Enable automatic packet-capture for Buff alloc error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_control_frame

Description Enable automatic packet-capture for Cant allocate control frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_goaway_frame

Description Enable automatic packet-capture for Cant allocate GOAWAY frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_ping_frame

Description Enable automatic packet-capture for Cant allocate PING frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_rst_frame

Description Enable automatic packet-capture for Cant allocate RST_STREAM frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_settings_frame

Description Enable automatic packet-capture for Cant allocate SETTINGS frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_stream

Description Enable automatic packet-capture for Cant allocate stream

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_window_frame

Description Enable automatic packet-capture for Cant allocate WINDOW_UPDATE frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_queue_alloc_error

Description Enable automatic packet-capture for Data Queue Alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deflate_alloc_fail

Description Enable automatic packet-capture for deflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inflate_alloc_fail

Description Enable automatic packet-capture for inflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy_alloc_error

Description Enable automatic packet-capture for HTTP2 Proxy alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_trigger-sys-obj-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.38 visibility packet-capture global-templates activate

Activate global packet capture template

activate Specification

Type	*Configuration Resource*
Element Name	activate
Element URI	/axapi/v3/visibility/packet-capture/global-templates/activate
Element Attributes	activate_attributes
Schema	`activate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/global-templates/activate

activate attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/global-templates/activate

activate attributes

Modify Object

POST

/axapi/v3/visibility/packet-capture/global-templates/activate

activate attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/global-templates/activate

activate attributes

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/global-templates/activate

activate attributes

activate attributes

template

Description Name of the global templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.39 visibility packet-capture global-templates template

Configure global packet capture template for T1 counters

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/visibility/packet-capture/global-templates/template
Element Name	template
Element URI	/axapi/v3/visibility/packet-capture/global-templates/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/global-templates/template

template attributes

Create List

POST

/axapi/v3/visibility/packet-capture/global-templates/template

template attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/global-templates/template/{name}

template attributes

Get List

GET

/axapi/v3/visibility/packet-capture/global-templates/template

template-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/global-templates/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/global-templates/template/{name}

template attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/global-templates/template

template-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/global-templates/template/{name}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change

Description: trigger-sys-obj-stats-change is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change*

trigger-sys-obj-stats-severity

Description: trigger-sys-obj-stats-severity is a **JSON Block**. Please see below for *trigger-sys-obj-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change

Specification	
Type	*object*

aam-auth-account

Description: aam-auth-account is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-account*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account*

aam-auth-captcha

Description: aam-auth-captcha is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-captcha*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha*

aam-auth-relay-kerberos

Description: aam-auth-relay-kerberos is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-relay-kerberos*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos*

aam-auth-saml-global

Description: aam-auth-saml-global is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-saml-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global*

aam-auth-server-ldap

Description: aam-auth-server-ldap is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-ldap*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap*

aam-auth-server-ocsp

Description: aam-auth-server-ocsp is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-ocsp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp*

aam-auth-server-radius

Description: aam-auth-server-radius is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-radius*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius*

aam-auth-server-win

Description: aam-auth-server-win is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-win*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win*

aam-authentication-global

Description: aam-authentication-global is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-authentication-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global*

cgnv6-ddos-proc

Description: cgnv6-ddos-proc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-ddos-proc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc*

cgnv6-dhcpv6

Description: cgnv6-dhcpv6 is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-dhcpv6*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6*

cgnv6-dns64

Description: cgnv6-dns64 is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-dns64*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64*

cgnv6-ds-lite-global

Description: cgnv6-ds-lite-global is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-ds-lite-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global*

cgnv6-http-alg

Description: cgnv6-http-alg is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-http-alg*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg*

cgnv6-icmp

Description: cgnv6-icmp is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-icmp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp*

cgnv6-l4

Description: cgnv6-l4 is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-l4*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4*

cgnv6-logging

Description: cgnv6-logging is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-logging*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging*

cgnv6-lsn

Description: cgnv6-lsn is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn*

cgnv6-lsn-alg-h323

Description: cgnv6-lsn-alg-h323 is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323*

cgnv6-lsn-alg-mgcp

Description: cgnv6-lsn-alg-mgcp is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp*

cgnv6-lsn-alg-sip

Description: cgnv6-lsn-alg-sip is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip*

cgnv6-lsn-radius

Description: cgnv6-lsn-radius is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-radius*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius*

cgnv6-nat64-global

Description: cgnv6-nat64-global is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-nat64-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global*

cgnv6-pcp

Description: cgnv6-pcp is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-pcp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-alg-rtsp

Description: fw-alg-rtsp is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-alg-rtsp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp*

fw-ddos-protection

Description: fw-ddos-protection is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-ddos-protection*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection*

fw-global

Description: fw-global is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global*

fw-gtp

Description: fw-gtp is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-gtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp*

fw-logging

Description: fw-logging is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-logging*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging*

fw-logging-gtp

Description: fw-logging-gtp is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-logging-gtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp*

fw-rad-server

Description: fw-rad-server is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-rad-server*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server*

fw-tcp-syn-cookie

Description: fw-tcp-syn-cookie is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-tcp-syn-cookie*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie*

ip-anomaly-drop

Description: ip-anomaly-drop is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_ip-anomaly-drop*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop*

logging-local-log-global

Description: logging-local-log-global is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_logging-local-log-global*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global*

slb-crl-srcip

Description: slb-crl-srcip is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-crl-srcip*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip*

slb-fix

Description: slb-fix is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-fix*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix*

slb-ftp-proxy

Description: slb-ftp-proxy is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ftp-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy*

slb-generic

Description: slb-generic is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-generic*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic*

slb-http2

Description: slb-http2 is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-http2*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2*

slb-hw-compress

Description: slb-hw-compress is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-hw-compress*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress*

slb-icap

Description: slb-icap is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-icap*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap*

slb-imap-proxy

Description: slb-imap-proxy is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-imap-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy*

slb-l4

Description: slb-l4 is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-l4*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4*

slb-link-probe

Description: slb-link-probe is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-link-probe*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe*

slb-mqtt

Description: slb-mqtt is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-mqtt*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt*

slb-mssql

Description: slb-mssql is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-mssql*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql*

slb-pop3-proxy

Description: slb-pop3-proxy is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-pop3-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy*

slb-rc-cache

Description: slb-rc-cache is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-rc-cache*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache*

slb-smtp

Description: slb-smtp is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-smtp*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp*

slb-spdy-proxy

Description: slb-spdy-proxy is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-spdy-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy*

slb-ssl-cert-revoke

Description: slb-ssl-cert-revoke is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ssl-cert-revoke*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke*

slb-ssl-forward-proxy

Description: slb-ssl-forward-proxy is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ssl-forward-proxy*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy*

slb-switch

Description: slb-switch is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-switch*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch*

so-counters

Description: so-counters is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_so-counters*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters*

system-dpdk-stats

Description: system-dpdk-stats is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-dpdk-stats*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats*

system-fpga-drop

Description: system-fpga-drop is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-fpga-drop*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop*

system-hardware-forward

Description: system-hardware-forward is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-hardware-forward*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward*

system-radius-server

Description: system-radius-server is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-radius-server*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-icmp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-icmp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-inc

Specification	
Type	*object*

46-known-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-no-prefix-for-ipv4

Description Enable automatic packet-capture for NAT64 Reverse No Prefix Match for IPv4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-unknown-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-known-drop

Description Enable automatic packet-capture for NAT64 Forward Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-midpoint-hop

Description Enable automatic packet-capture for NAT64 Forward Unknown Source Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-unknown-drop

Description Enable automatic packet-capture for NAT64 Forward Unknown ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMP Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-port-info

Description Enable automatic packet-capture for ICMP Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-session-drop

Description Enable automatic packet-capture for ICMP No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp

Description Enable automatic packet-capture for ICMP to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp-err

Description Enable automatic packet-capture for ICMP to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6-err

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-unknown-type

Description Enable automatic packet-capture for ICMP Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMPv6 Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-port-info

Description Enable automatic packet-capture for ICMPv6 Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-session-drop

Description Enable automatic packet-capture for ICMPv6 No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp-err

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6-err

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-unknown-type

Description Enable automatic packet-capture for ICMPv6 Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-icmp_trigger-stats-rate

Specification	
Type	*object*

46-known-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-no-prefix-for-ipv4

Description Enable automatic packet-capture for NAT64 Reverse No Prefix Match for IPv4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

46-unknown-drop

Description Enable automatic packet-capture for NAT64 Reverse Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-known-drop

Description Enable automatic packet-capture for NAT64 Forward Known ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-midpoint-hop

Description Enable automatic packet-capture for NAT64 Forward Unknown Source Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

64-unknown-drop

Description Enable automatic packet-capture for NAT64 Forward Unknown ICMPv6 Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

icmp-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMP Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-port-info

Description Enable automatic packet-capture for ICMP Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-no-session-drop

Description Enable automatic packet-capture for ICMP No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp

Description Enable automatic packet-capture for ICMP to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmp-err

Description Enable automatic packet-capture for ICMP to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-to-icmpv6-err

Description Enable automatic packet-capture for ICMP to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-unknown-type

Description Enable automatic packet-capture for ICMP Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-bad-type

Description Enable automatic packet-capture for Bad Embedded ICMPv6 Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-port-info

Description Enable automatic packet-capture for ICMPv6 Port Info Not Included

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-no-session-drop

Description Enable automatic packet-capture for ICMPv6 No Matching Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmp-err

Description Enable automatic packet-capture for ICMPv6 to ICMP Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-to-icmpv6-err

Description Enable automatic packet-capture for ICMPv6 to ICMPv6 Conversion Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-unknown-type

Description Enable automatic packet-capture for ICMPv6 Unknown Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-pcp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-pcp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-inc

Specification	
Type	*object*

l4-process-error

Description Enable automatic packet-capture for L3/L4 Process Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

noroute-drop

Description Enable automatic packet-capture for Response No Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-not-request-drop

Description Enable automatic packet-capture for Packet Not a PCP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-too-short-drop

Description Enable automatic packet-capture for Packet Too Short

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsol_ance_sent_fail

Description Enable automatic packet-capture for Unsolicited Announce Send Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-version

Description Enable automatic packet-capture for Unsupported PCP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-pcp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

l4-process-error

Description Enable automatic packet-capture for L3/L4 Process Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

noroute-drop

Description Enable automatic packet-capture for Response No Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-not-request-drop

Description Enable automatic packet-capture for Packet Not a PCP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-too-short-drop

Description Enable automatic packet-capture for Packet Too Short

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

unsol_ance_sent_fail

Description Enable automatic packet-capture for Unsolicited Announce Send Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-version

Description Enable automatic packet-capture for Unsupported PCP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-hardware-forward

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-hardware-forward/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-inc

Specification	
Type	*object*

hw-fwd-ageout-drop-count

Description Enable automatic packet-capture for hardware forward ageout drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-drop-count

Description Enable automatic packet-capture for hardware forward flow drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-error-count

Description Enable automatic packet-capture for hardware forward flow error count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-qdr-full-drop

Description Enable automatic packet-capture for hardware forward flow qdr full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-seq-mismatch

Description Enable automatic packet-capture for hardware forward sequence mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-singlebit-errors

Description Enable automatic packet-capture for hardware forward singlebit Errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tag-mismatch

Description Enable automatic packet-capture for hardware forward tag mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tx-full-drop

Description Enable automatic packet-capture for hardware forward flow tx full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-unalign-count

Description Enable automatic packet-capture for hardware forward flow unalign count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-underflow-count

Description Enable automatic packet-capture for hardware forward flow underflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-invalidation-drop

Description Enable automatic packet-capture for hardware forward invalid drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-phyport-mismatch-drop

Description Enable automatic packet-capture for hardware forward phyport mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-protocol-mismatch-drop

Description Enable automatic packet-capture for hardware forward protocol mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vlanid-mismatch-drop

Description Enable automatic packet-capture for hardware forward vlanid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vmid-drop

Description Enable automatic packet-capture for hardware forward vmid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-hardware-forward_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

hw-fwd-ageout-drop-count

Description Enable automatic packet-capture for hardware forward ageout drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-drop-count

Description Enable automatic packet-capture for hardware forward flow drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-error-count

Description Enable automatic packet-capture for hardware forward flow error count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-qdr-full-drop

Description Enable automatic packet-capture for hardware forward flow qdr full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-seq-mismatch

Description Enable automatic packet-capture for hardware forward sequence mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-singlebit-errors

Description Enable automatic packet-capture for hardware forward singlebit Errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tag-mismatch

Description Enable automatic packet-capture for hardware forward tag mismatch errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-tx-full-drop

Description Enable automatic packet-capture for hardware forward flow tx full drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-unalign-count

Description Enable automatic packet-capture for hardware forward flow unalign count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-flow-underflow-count

Description Enable automatic packet-capture for hardware forward flow underflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-invalidation-drop

Description Enable automatic packet-capture for hardware forward invalid drop count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-phyport-mismatch-drop

Description Enable automatic packet-capture for hardware forward phyport mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-protocol-mismatch-drop

Description Enable automatic packet-capture for hardware forward protocol mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vlanid-mismatch-drop

Description Enable automatic packet-capture for hardware forward vlanid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-fwd-vmid-drop

Description Enable automatic packet-capture for hardware forward vmid mismatch count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-mqtt

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mqtt/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-inc

Specification	
Type	*object*

client_id_null

Description Enable automatic packet-capture for Null client id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_null

Description Enable automatic packet-capture for Null conn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insertion_failed

Description Enable automatic packet-capture for Insertion failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_connect_fail

Description Enable automatic packet-capture for Parse connect failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_publish_fail

Description Enable automatic packet-capture for Parse publish failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_subscribe_fail

Description Enable automatic packet-capture for Parse subscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_unsubscribe_fail

Description Enable automatic packet-capture for Parse unsubscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session_exist

Description Enable automatic packet-capture for Session already exist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_already_linked

Description Enable automatic packet-capture for tuple-already-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_not_linked

Description Enable automatic packet-capture for tuple-not-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-mqtt_trigger-stats-rate

Specification	
Type	*object*

client_id_null

Description Enable automatic packet-capture for Null client id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_null

Description Enable automatic packet-capture for Null conn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insertion_failed

Description Enable automatic packet-capture for Insertion failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_connect_fail

Description Enable automatic packet-capture for Parse connect failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_publish_fail

Description Enable automatic packet-capture for Parse publish failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_subscribe_fail

Description Enable automatic packet-capture for Parse subscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse_unsubscribe_fail

Description Enable automatic packet-capture for Parse unsubscribe failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session_exist

Description Enable automatic packet-capture for Session already exist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tuple_already_linked

Description Enable automatic packet-capture for tuple-already-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tuple_not_linked

Description Enable automatic packet-capture for tuple-not-linked failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-nat64-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-nat64-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-inc

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-nat64-global_trigger-stats-rate

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-pop3-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-pop3-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-inc

Specification	
Type	*object*

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-pop3-proxy_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-fix

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-fix_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-fix_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-fix/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-fix_trigger-stats-inc

Specification	
Type	*object*

noroute

Description Enable automatic packet-capture for No route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-fix_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

noroute

Description Enable automatic packet-capture for No route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-icap

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-icap_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-icap_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-icap/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-icap_trigger-stats-inc

Specification	
Type	*object*

app_serv_conn_no_pcb_err

Description Enable automatic packet-capture for App Server Conn no ES PCB Err Stats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-icap_trigger-stats-rate

Specification	
Type	*object*

app_serv_conn_no_pcb_err

Description Enable automatic packet-capture for App Server Conn no ES PCB Err Stats

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ssl-forward-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-forward-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-inc

Specification	
Type	*object*

connections-failed

Description Enable automatic packet-capture for Connections failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-signing

Description Enable automatic packet-capture for Failed in Certificate signing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-verification

Description Enable automatic packet-capture for Failed in Certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-crypto-operations

Description Enable automatic packet-capture for Failed in crypto operations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-ssl-handshakes

Description Enable automatic packet-capture for Failed in SSL handshakes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-tcp

Description Enable automatic packet-capture for Failed in TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-ocsp-stapling-response

Description Enable automatic packet-capture for Invalid OCSP Stapling Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

revoked-ocsp-response

Description Enable automatic packet-capture for Revoked OCSP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unsupported-ssl-version

Description Enable automatic packet-capture for Unsupported SSL version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ssl-forward-proxy_trigger-stats-rate

Specification	
Type	*object*

connections-failed

Description Enable automatic packet-capture for Connections failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

failed-in-certificate-signing

Description Enable automatic packet-capture for Failed in Certificate signing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-certificate-verification

Description Enable automatic packet-capture for Failed in Certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-crypto-operations

Description Enable automatic packet-capture for Failed in crypto operations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-ssl-handshakes

Description Enable automatic packet-capture for Failed in SSL handshakes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-in-tcp

Description Enable automatic packet-capture for Failed in TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-ocsp-stapling-response

Description Enable automatic packet-capture for Invalid OCSP Stapling Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

revoked-ocsp-response

Description Enable automatic packet-capture for Revoked OCSP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

unsupported-ssl-version

Description Enable automatic packet-capture for Unsupported SSL version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-gtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-gtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-gtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-gtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-gtp_trigger-stats-inc

Specification	
Type	*object*

drop-gtp-bearer-not-found-in-resp

Description Enable automatic packet-capture for GTP Bearer not found in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-frag-or-jumbo-pkt

Description Enable automatic packet-capture for GTP Fragmented or JUMBO packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-missing-cond-ie-bearer-ctx

Description Enable automatic packet-capture for Missing conditional IE in bearer context Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTP Echo IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-out-of-state-

Description Enable automatic packet-capture for GTP Echo Out of State Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-c-handover-request-out-of-state-dro

Description Enable automatic packet-capture for GTP-C Handover Request Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-entry-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-smp-create-failure

Description Enable automatic packet-capture for GTP Rate Limit SMP Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-t3-ctr-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Dynamic Counters Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rr-message-drop

Description Enable automatic packet-capture for GTP Message Dropped in RR Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-tunnel-rate-limit-entry-create-fail

Description Enable automatic packet-capture for GTP Tunnel Level Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-out-of-state-drop

Description Enable automatic packet-capture for GTP-U Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-nsapi-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv1-C NSAPI Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-res

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Tunnel Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-gtp_trigger-stats-rate

Specification	
Type	*object*

drop-gtp-bearer-not-found-in-resp

Description Enable automatic packet-capture for GTP Bearer not found in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-frag-or-jumbo-pkt

Description Enable automatic packet-capture for GTP Fragmented or JUMBO packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-gtp-missing-cond-ie-bearer-ctx

Description Enable automatic packet-capture for Missing conditional IE in bearer context Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTP Echo IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-echo-out-of-state-

Description Enable automatic packet-capture for GTP Echo Out of State Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

gtp-c-handover-request-out-of-state-dro

Description Enable automatic packet-capture for GTP-C Handover Request Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-entry-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-smp-create-failure

Description Enable automatic packet-capture for GTP Rate Limit SMP Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rate-limit-t3-ctr-create-failure

Description Enable automatic packet-capture for GTP Rate Limit Dynamic Counters Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-rr-message-drop

Description Enable automatic packet-capture for GTP Message Dropped in RR Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-tunnel-rate-limit-entry-create-fail

Description Enable automatic packet-capture for GTP Tunnel Level Rate Limit Entry Create Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-out-of-state-drop

Description Enable automatic packet-capture for GTP-U Out of state Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-nsapi-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv1-C NSAPI Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-req

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-bearer-not-found-in-delete-res

Description Enable automatic packet-capture for GTPv2-C Bearer Not Found in GTP Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Tunnel Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-radius

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-radius/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout_error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-radius_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout_error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_so-counters

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_so-counters_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_so-counters_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/so-counters/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_so-counters_trigger-stats-inc

Specification	
Type	*object*

so_pkts_dest_mac_mistmatch_drop

Description Enable automatic packet-capture for Destination MAC Mistmatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_dropped

Description Enable automatic packet-capture for Total packets dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_dest_mac_zero_drop

Description Enable automatic packet-capture for Destination MAC Address zero Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_interface_not_up

Description Enable automatic packet-capture for L2redirect Intf is not UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_invalid_redirect_inf

Description Enable automatic packet-capture for Redirect Table Error due to invalid redirect info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_chassis_dest_mac_er

Description Enable automatic packet-capture for L3 Redirect RX multi-slot Destination MAC Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_non_ipv4_vxla

Description Enable automatic packet-capture for L3 Redirect received non ipv4 VXLAN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_rx_encap_para

Description Enable automatic packet-capture for L3 Redirect decap Rx encap params error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_vlan_sanity_d

Description Enable automatic packet-capture for L3 Redirect Decap VLAN Sanity Drop during receipt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_error_drop

Description Enable automatic packet-capture for L3 Redirect encap error drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv4_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect ipv4 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv6_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_fragmentation_error

Description Enable automatic packet-capture for L3 redirect encap Fragmentation error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_inner_mac_zero_drop

Description Enable automatic packet-capture for L3 Redirect inner mac zero drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_invalid_dev_dir

Description Enable automatic packet-capture for L3 Redirect Invalid Device direction during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_rcvd_in_l2_mode_dro

Description Enable automatic packet-capture for Recevied l3 redirect packets in L2 mode Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_error

Description Enable automatic packet-capture for L3 Redirect Table error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_no_entry_foun

Description Enable automatic packet-capture for L3 redirect Table no redirect entry found error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_too_large_pkts_in_d

Description Enable automatic packet-capture for Received L3 Redirected fragmented packets too large

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_scaleout_not_active_drop

Description Enable automatic packet-capture for Scaleout Not Active Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_release_fail

Description Enable automatic packet-capture for Total SLB NAT release failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_reserve_fail

Description Enable automatic packet-capture for Total SLB NAT reserve failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_traffic_map_not_found_drop

Description Enable automatic packet-capture for Traffic MAP Not Found Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_so-counters_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

so_pkts_dest_mac_mistmatch_drop

Description Enable automatic packet-capture for Destination MAC Mistmatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_dropped

Description Enable automatic packet-capture for Total packets dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_dest_mac_zero_drop

Description Enable automatic packet-capture for Destination MAC Address zero Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_interface_not_up

Description Enable automatic packet-capture for L2redirect Intf is not UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l2redirect_invalid_redirect_inf

Description Enable automatic packet-capture for Redirect Table Error due to invalid redirect info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_chassis_dest_mac_er

Description Enable automatic packet-capture for L3 Redirect RX multi-slot Destination MAC Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_non_ipv4_vxla

Description Enable automatic packet-capture for L3 Redirect received non ipv4 VXLAN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_rx_encap_para

Description Enable automatic packet-capture for L3 Redirect decap Rx encap params error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_decap_vlan_sanity_d

Description Enable automatic packet-capture for L3 Redirect Decap VLAN Sanity Drop during receipt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_error_drop

Description Enable automatic packet-capture for L3 Redirect encap error drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv4_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect ipv4 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_encap_ipv6_jumbo_fr

Description Enable automatic packet-capture for L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_fragmentation_error

Description Enable automatic packet-capture for L3 redirect encap Fragmentation error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_inner_mac_zero_drop

Description Enable automatic packet-capture for L3 Redirect inner mac zero drop during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_invalid_dev_dir

Description Enable automatic packet-capture for L3 Redirect Invalid Device direction during transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_rcvd_in_l2_mode_dro

Description Enable automatic packet-capture for Recevied l3 redirect packets in L2 mode Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_error

Description Enable automatic packet-capture for L3 Redirect Table error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_table_no_entry_foun

Description Enable automatic packet-capture for L3 redirect Table no redirect entry found error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_l3_redirect_too_large_pkts_in_d

Description Enable automatic packet-capture for Received L3 Redirected fragmented packets too large

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_scaleout_not_active_drop

Description Enable automatic packet-capture for Scaleout Not Active Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_release_fail

Description Enable automatic packet-capture for Total SLB NAT release failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_slb_nat_reserve_fail

Description Enable automatic packet-capture for Total SLB NAT reserve failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

so_pkts_traffic_map_not_found_drop

Description Enable automatic packet-capture for Traffic MAP Not Found Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-logging

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-logging_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-logging_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-logging_trigger-stats-inc

Specification	
Type	*object*

http-logging-invalid-format

Description Enable automatic packet-capture for HTTP Logging Invalid Format Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-dropped

Description Enable automatic packet-capture for Log Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-logging_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

http-logging-invalid-format

Description Enable automatic packet-capture for HTTP Logging Invalid Format Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-dropped

Description Enable automatic packet-capture for Log Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-win

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-win/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-inc

Specification	
Type	*object*

kerberos-job-start-error

Description Enable automatic packet-capture for Total Kerberos Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-polling-control-error

Description Enable automatic packet-capture for Total Kerberos Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-pw-expiry

Description Enable automatic packet-capture for Total Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-request-dropped

Description Enable automatic packet-capture for Total Kerberos Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-error

Description Enable automatic packet-capture for Total Kerberos Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-timeout

Description Enable automatic packet-capture for Total Kerberos Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-timeout-error

Description Enable automatic packet-capture for Total Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-job-start-error

Description Enable automatic packet-capture for Total NTLM Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-polling-control-error

Description Enable automatic packet-capture for Total NTLM Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-prepare-req-failed

Description Enable automatic packet-capture for Total NTLM Prepare Request Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-proto-negotiation-failure

Description Enable automatic packet-capture for Total NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-request-dropped

Description Enable automatic packet-capture for Total NTLM Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-error

Description Enable automatic packet-capture for Total NTLM Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-timeout

Description Enable automatic packet-capture for Total NTLM Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-session-setup-failed

Description Enable automatic packet-capture for Total NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-timeout-error

Description Enable automatic packet-capture for Total NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-win_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

kerberos-job-start-error

Description Enable automatic packet-capture for Total Kerberos Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-polling-control-error

Description Enable automatic packet-capture for Total Kerberos Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-pw-expiry

Description Enable automatic packet-capture for Total Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-request-dropped

Description Enable automatic packet-capture for Total Kerberos Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-error

Description Enable automatic packet-capture for Total Kerberos Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-response-timeout

Description Enable automatic packet-capture for Total Kerberos Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kerberos-timeout-error

Description Enable automatic packet-capture for Total Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-job-start-error

Description Enable automatic packet-capture for Total NTLM Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-polling-control-error

Description Enable automatic packet-capture for Total NTLM Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-prepare-req-failed

Description Enable automatic packet-capture for Total NTLM Prepare Request Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-proto-negotiation-failure

Description Enable automatic packet-capture for Total NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-request-dropped

Description Enable automatic packet-capture for Total NTLM Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-error

Description Enable automatic packet-capture for Total NTLM Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-response-timeout

Description Enable automatic packet-capture for Total NTLM Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-session-setup-failed

Description Enable automatic packet-capture for Total NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm-timeout-error

Description Enable automatic packet-capture for Total NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-ldap

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ldap/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-inc

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Total Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Total Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for Total User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw-change-failure

Description Enable automatic packet-capture for Total password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Total Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-ldap_trigger-stats-rate

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Total Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Total Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for Total User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw-change-failure

Description Enable automatic packet-capture for Total password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Total Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-ddos-protection

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-ddos-protection/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-inc

Specification	
Type	*object*

ddos_entries_too_many

Description Enable automatic packet-capture for Too many DDOS entries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_add_to_bgp_failure

Description Enable automatic packet-capture for DDoS Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for DDOS entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_packet_dropped

Description Enable automatic packet-capture for DDOS Packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-ddos-protection_trigger-stats-rate

Specification	
Type	*object*

ddos_entries_too_many

Description Enable automatic packet-capture for Too many DDOS entries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_add_to_bgp_failure

Description Enable automatic packet-capture for DDoS Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for DDOS entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos_packet_dropped

Description Enable automatic packet-capture for DDOS Packet Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-tcp-syn-cookie

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-tcp-syn-cookie/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-inc

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-sys-obj-stats-change_fw-tcp-syn-cookie_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-sys-obj-stats-change_aam-auth-server-ocsp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-server-ocsp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total OCSP Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total OCSP Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total OCSP Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total OCSP Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total OCSP Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-request-dropped

Description Enable automatic packet-capture for Total OCSP Stapling Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-error

Description Enable automatic packet-capture for Total OCSP Stapling Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-timeout

Description Enable automatic packet-capture for Total OCSP Stapling Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-server-ocsp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total OCSP Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total OCSP Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total OCSP Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total OCSP Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total OCSP Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-request-dropped

Description Enable automatic packet-capture for Total OCSP Stapling Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-error

Description Enable automatic packet-capture for Total OCSP Stapling Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-response-timeout

Description Enable automatic packet-capture for Total OCSP Stapling Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-logging-gtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-logging-gtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-inc

Specification	
Type	*object*

log_type_gtp_out_of_order_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of Order IE V1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_type_gtp_out_of_state_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of State IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-logging-gtp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

log_type_gtp_out_of_order_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of Order IE V1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log_type_gtp_out_of_state_ie

Description Enable automatic packet-capture for Log Event Type GTP Out of State IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-h323/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-h323_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_ip-anomaly-drop

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/ip-anomaly-drop/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-inc

Specification	
Type	*object*

bad_ip_flg

Description Enable automatic packet-capture for Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_frg_offset

Description Enable automatic packet-capture for Bad IP Fragment Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_hdrlen

Description Enable automatic packet-capture for Bad IP Header Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_payload_len

Description Enable automatic packet-capture for Bad IP Payload Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_ttl

Description Enable automatic packet-capture for Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_tcp_urg_offset

Description Enable automatic packet-capture for TCP Bad Urgent Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csum

Description Enable automatic packet-capture for Bad IP Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_frg

Description Enable automatic packet-capture for Empty Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_mic_frg

Description Enable automatic packet-capture for Micro Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frg

Description Enable automatic packet-capture for IPv4 Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gre_pptp_err

Description Enable automatic packet-capture for GRE PPTP Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_err

Description Enable automatic packet-capture for IP-over-IP Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_msmtch

Description Enable automatic packet-capture for IP-over-IP Tunnel Mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land

Description Enable automatic packet-capture for Land Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_ip_payload

Description Enable automatic packet-capture for No IP Payload drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre_err

Description Enable automatic packet-capture for GRE Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

opt

Description Enable automatic packet-capture for IPv4 Options Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over_ip_payload

Description Enable automatic packet-capture for Oversize IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pod

Description Enable automatic packet-capture for ICMP Ping of Death Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_ip_hdr

Description Enable automatic packet-capture for Runt IP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_tcp_udp_hdr

Description Enable automatic packet-capture for Runt TCP/UDP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_csum

Description Enable automatic packet-capture for TCP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_iplen

Description Enable automatic packet-capture for TCP Bad IP Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_frg_hdr

Description Enable automatic packet-capture for TCP Fragmented Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_frg

Description Enable automatic packet-capture for TCP Null Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_scan

Description Enable automatic packet-capture for TCP Null Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_opt_err

Description Enable automatic packet-capture for TCP Option Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_sht_hdr

Description Enable automatic packet-capture for TCP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_fin

Description Enable automatic packet-capture for TCP Syn and Fin Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_frg

Description Enable automatic packet-capture for TCP Syn Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas

Description Enable automatic packet-capture for TCP XMAS Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas_scan

Description Enable automatic packet-capture for TCP XMAS Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_csum

Description Enable automatic packet-capture for UDP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_len

Description Enable automatic packet-capture for UDP Bad Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_kerb_frg

Description Enable automatic packet-capture for UDP Kerberos Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_port_lb

Description Enable automatic packet-capture for UDP Port Loopback Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_srt_hdr

Description Enable automatic packet-capture for UDP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan_err

Description Enable automatic packet-capture for VXLAN Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-sys-obj-stats-change_ip-anomaly-drop_trigger-stats-rate

Specification	
Type	*object*

bad_ip_flg

Description Enable automatic packet-capture for Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_frg_offset

Description Enable automatic packet-capture for Bad IP Fragment Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_hdrlen

Description Enable automatic packet-capture for Bad IP Header Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_payload_len

Description Enable automatic packet-capture for Bad IP Payload Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_ip_ttl

Description Enable automatic packet-capture for Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad_tcp_urg_offset

Description Enable automatic packet-capture for TCP Bad Urgent Offset Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csum

Description Enable automatic packet-capture for Bad IP Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

emp_frg

Description Enable automatic packet-capture for Empty Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

emp_mic_frg

Description Enable automatic packet-capture for Micro Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frg

Description Enable automatic packet-capture for IPv4 Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gre_pptp_err

Description Enable automatic packet-capture for GRE PPTP Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_err

Description Enable automatic packet-capture for IP-over-IP Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip_tnl_msmtch

Description Enable automatic packet-capture for IP-over-IP Tunnel Mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land

Description Enable automatic packet-capture for Land Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_ip_payload

Description Enable automatic packet-capture for No IP Payload drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre_err

Description Enable automatic packet-capture for GRE Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

opt

Description Enable automatic packet-capture for IPv4 Options Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over_ip_payload

Description Enable automatic packet-capture for Oversize IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pod

Description Enable automatic packet-capture for ICMP Ping of Death Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_ip_hdr

Description Enable automatic packet-capture for Runt IP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt_tcp_udp_hdr

Description Enable automatic packet-capture for Runt TCP/UDP Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_csum

Description Enable automatic packet-capture for TCP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_bad_iplen

Description Enable automatic packet-capture for TCP Bad IP Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_frg_hdr

Description Enable automatic packet-capture for TCP Fragmented Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_frg

Description Enable automatic packet-capture for TCP Null Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_null_scan

Description Enable automatic packet-capture for TCP Null Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_opt_err

Description Enable automatic packet-capture for TCP Option Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_sht_hdr

Description Enable automatic packet-capture for TCP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_fin

Description Enable automatic packet-capture for TCP Syn and Fin Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_syn_frg

Description Enable automatic packet-capture for TCP Syn Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas

Description Enable automatic packet-capture for TCP XMAS Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_xmas_scan

Description Enable automatic packet-capture for TCP XMAS Scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_bad_csum

Description Enable automatic packet-capture for UDP Bad Checksum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_bad_len

Description Enable automatic packet-capture for UDP Bad Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_kerb_frg

Description Enable automatic packet-capture for UDP Kerberos Fragment Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_port_lb

Description Enable automatic packet-capture for UDP Port Loopback Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_srt_hdr

Description Enable automatic packet-capture for UDP Short Header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan_err

Description Enable automatic packet-capture for VXLAN Tunnel Error Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-sys-obj-stats-change_cgnv6-http-alg

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-http-alg/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-inc

Specification	
Type	*object*

header-insertion-failed

Description Enable automatic packet-capture for Buff Insertion Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-removal-failed

Description Enable automatic packet-capture for Buff Removal Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-memory-dropped

Description Enable automatic packet-capture for Out-of-Memory Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-dropped

Description Enable automatic packet-capture for Packet Out-of-Order Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

queue-len-exceed-dropped

Description Enable automatic packet-capture for Queue Length Exceed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-requst-dropped

Description Enable automatic packet-capture for Query Request Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-response-dropped

Description Enable automatic packet-capture for Query Response Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-http-alg_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

header-insertion-failed

Description Enable automatic packet-capture for Buff Insertion Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-removal-failed

Description Enable automatic packet-capture for Buff Removal Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-memory-dropped

Description Enable automatic packet-capture for Out-of-Memory Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-dropped

Description Enable automatic packet-capture for Packet Out-of-Order Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

queue-len-exceed-dropped

Description Enable automatic packet-capture for Queue Length Exceed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-requst-dropped

Description Enable automatic packet-capture for Query Request Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-response-dropped

Description Enable automatic packet-capture for Query Response Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-rad-server

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-rad-server/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-inc

Specification	
Type	*object*

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-key

Description Enable automatic packet-capture for Radius Request has Invalid Key Field

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-table-full

Description Enable automatic packet-capture for RADIUS Request Dropped (Table Full)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-rad-server_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-key

Description Enable automatic packet-capture for Radius Request has Invalid Key Field

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-table-full

Description Enable automatic packet-capture for RADIUS Request Dropped (Table Full)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-relay-kerberos

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-relay-kerberos/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-inc

Specification	
Type	*object*

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other-error

Description Enable automatic packet-capture for Total Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-relay-kerberos_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other-error

Description Enable automatic packet-capture for Total Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-mgcp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for MGCP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-mgcp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for MGCP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-alg-sip/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-inc

Specification	
Type	*object*

parse-error

Description Enable automatic packet-capture for SIP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-alg-sip_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

parse-error

Description Enable automatic packet-capture for SIP Message Parse Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-out-of-order-drop

Description Enable automatic packet-capture for TCP Out-of-Order Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-dhcpv6

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dhcpv6/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-inc

Specification	
Type	*object*

packets-dropped

Description Enable automatic packet-capture for Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkts-dropped-during-clear

Description Enable automatic packet-capture for Packets dropped during clear bindings process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-dhcpv6_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

packets-dropped

Description Enable automatic packet-capture for Packets Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkts-dropped-during-clear

Description Enable automatic packet-capture for Packets dropped during clear bindings process

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-fpga-drop

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-fpga-drop/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-inc

Specification	
Type	*object*

bad-ip-chksum-drop

Description Enable automatic packet-capture for Total Bad IP csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-flags-drop

Description Enable automatic packet-capture for Total Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-frag-offset

Description Enable automatic packet-capture for Total Bad IP frag off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-hdr-len

Description Enable automatic packet-capture for Total Bad IP hdr len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-payload-len

Description Enable automatic packet-capture for Total Bad IP PL len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-ttl-drop

Description Enable automatic packet-capture for Total Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

empty-frag-drop

Description Enable automatic packet-capture for Total Empty frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fcs-drop

Description Enable automatic packet-capture for Total FCS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hrx-drop

Description Enable automatic packet-capture for Total HRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-pod-drop

Description Enable automatic packet-capture for Total ICMP POD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-frag

Description Enable automatic packet-capture for Total IP frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-opt-drop

Description Enable automatic packet-capture for Total IPv4 opt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-drop

Description Enable automatic packet-capture for Total LAND Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mic-frag-drop

Description Enable automatic packet-capture for Total Micro frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mrx-drop

Description Enable automatic packet-capture for Total MRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ip-payload-drop

Description Enable automatic packet-capture for Total No IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oversize-ip-payload

Description Enable automatic packet-capture for Total Oversize IP PL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qdr-drop

Description Enable automatic packet-capture for Total QDR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-ip-hdr

Description Enable automatic packet-capture for Total Runt IP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-tcpudp-hdr

Description Enable automatic packet-capture for Total Runt TCPUDP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

siz-drop

Description Enable automatic packet-capture for Total Size Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-chksum

Description Enable automatic packet-capture for Total TCP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-ip-len

Description Enable automatic packet-capture for Total TCP Bad IP Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-urg-offet

Description Enable automatic packet-capture for Total TCP bad urg off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-fin-sin

Description Enable automatic packet-capture for Total TCP SYN&FIN Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-frag-hdr

Description Enable automatic packet-capture for Total TCP frag header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-flags

Description Enable automatic packet-capture for Total TCP null flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-scan

Description Enable automatic packet-capture for Total TCP null scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-short-hdr

Description Enable automatic packet-capture for Total TCP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description Enable automatic packet-capture for Total TCP SYN frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-flags

Description Enable automatic packet-capture for Total TCP XMAS FLAGS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-scan

Description Enable automatic packet-capture for Total TCP XMAS scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tun-mismatch

Description Enable automatic packet-capture for Total Tun mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-chksum

Description Enable automatic packet-capture for Total UDP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-ip-len

Description Enable automatic packet-capture for Total UDP bad leng Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-kb-frags

Description Enable automatic packet-capture for Total UDP KB frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port-lb

Description Enable automatic packet-capture for Total UDP port LB Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-short-hdr

Description Enable automatic packet-capture for Total UDP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-fpga-drop_trigger-stats-rate

Specification	
Type	*object*

bad-ip-chksum-drop

Description Enable automatic packet-capture for Total Bad IP csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-flags-drop

Description Enable automatic packet-capture for Total Bad IP Flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-frag-offset

Description Enable automatic packet-capture for Total Bad IP frag off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-hdr-len

Description Enable automatic packet-capture for Total Bad IP hdr len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-payload-len

Description Enable automatic packet-capture for Total Bad IP PL len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bad-ip-ttl-drop

Description Enable automatic packet-capture for Total Bad IP TTL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

empty-frag-drop

Description Enable automatic packet-capture for Total Empty frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fcs-drop

Description Enable automatic packet-capture for Total FCS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hrx-drop

Description Enable automatic packet-capture for Total HRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-pod-drop

Description Enable automatic packet-capture for Total ICMP POD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-frag

Description Enable automatic packet-capture for Total IP frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-opt-drop

Description Enable automatic packet-capture for Total IPv4 opt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

land-drop

Description Enable automatic packet-capture for Total LAND Attack Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mic-frag-drop

Description Enable automatic packet-capture for Total Micro frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mrx-drop

Description Enable automatic packet-capture for Total MRX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ip-payload-drop

Description Enable automatic packet-capture for Total No IP Payload Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

oversize-ip-payload

Description Enable automatic packet-capture for Total Oversize IP PL Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qdr-drop

Description Enable automatic packet-capture for Total QDR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-ip-hdr

Description Enable automatic packet-capture for Total Runt IP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runt-tcpudp-hdr

Description Enable automatic packet-capture for Total Runt TCPUDP hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

siz-drop

Description Enable automatic packet-capture for Total Size Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-chksum

Description Enable automatic packet-capture for Total TCP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-ip-len

Description Enable automatic packet-capture for Total TCP Bad IP Len Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-bad-urg-offet

Description Enable automatic packet-capture for Total TCP bad urg off Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-fin-sin

Description Enable automatic packet-capture for Total TCP SYN&FIN Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-frag-hdr

Description Enable automatic packet-capture for Total TCP frag header Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-flags

Description Enable automatic packet-capture for Total TCP null flags Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-null-scan

Description Enable automatic packet-capture for Total TCP null scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-short-hdr

Description Enable automatic packet-capture for Total TCP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description Enable automatic packet-capture for Total TCP SYN frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-flags

Description Enable automatic packet-capture for Total TCP XMAS FLAGS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-xmas-scan

Description Enable automatic packet-capture for Total TCP XMAS scan Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tun-mismatch

Description Enable automatic packet-capture for Total Tun mismatch Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-chksum

Description Enable automatic packet-capture for Total UDP bad csum Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-bad-ip-len

Description Enable automatic packet-capture for Total UDP bad leng Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-kb-frags

Description Enable automatic packet-capture for Total UDP KB frag Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port-lb

Description Enable automatic packet-capture for Total UDP port LB Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-short-hdr

Description Enable automatic packet-capture for Total UDP short hdr Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-authentication-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-authentication-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-inc

Specification	
Type	*object*

aflex-authz-fail

Description Enable automatic packet-capture for Total Authorization failure number in aFleX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authn-failure

Description Enable automatic packet-capture for Total Authentication failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authz-failure

Description Enable automatic packet-capture for Total Authorization failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect-failed

Description Enable automatic packet-capture for Total AAM Connect Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-timer-failed

Description Enable automatic packet-capture for Total AAM Timer Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-resolve-failed

Description Enable automatic packet-capture for Total AAM DNS resolve failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-socket-option-failed

Description Enable automatic packet-capture for Total AAM Get Socket Option Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misses

Description Enable automatic packet-capture for Total Authentication Request Missed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-socket-failed

Description Enable automatic packet-capture for Total AAM Open Socket Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-authentication-global_trigger-stats-rate

Specification	
Type	*object*

aflex-authz-fail

Description Enable automatic packet-capture for Total Authorization failure number in aFleX

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authn-failure

Description Enable automatic packet-capture for Total Authentication failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authz-failure

Description Enable automatic packet-capture for Total Authorization failure number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect-failed

Description Enable automatic packet-capture for Total AAM Connect Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-timer-failed

Description Enable automatic packet-capture for Total AAM Timer Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-resolve-failed

Description Enable automatic packet-capture for Total AAM DNS resolve failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

get-socket-option-failed

Description Enable automatic packet-capture for Total AAM Get Socket Option Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misses

Description Enable automatic packet-capture for Total Authentication Request Missed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-socket-failed

Description Enable automatic packet-capture for Total AAM Open Socket Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-alg-rtsp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-alg-rtsp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-inc

Specification	
Type	*object*

transport-alloc-failure

Description Enable automatic packet-capture for Transport Alloc Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-alg-rtsp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

transport-alloc-failure

Description Enable automatic packet-capture for Transport Alloc Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-switch

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-switch_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-switch_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-switch/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-switch_trigger-stats-inc

Specification	
Type	*object*

badpkt_drop

Description Enable automatic packet-capture for Bad Pkt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incorrect_len_drop

Description Enable automatic packet-capture for Incorrect Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_rx_arp_pkt

Description Enable automatic packet-capture for Invalid ARP PKT Rcvd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_sender_mac_arp_drop

Description Enable automatic packet-capture for ARP PKT dropped due to invalid sender MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_defrag_invalid_len

Description Enable automatic packet-capture for IP Invalid Length Frag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_oversize

Description Enable automatic packet-capture for IP Fragment oversize

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_too_many

Description Enable automatic packet-capture for IP Fragment too many

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_ipip_dropped

Description Enable automatic packet-capture for IP Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overlap

Description Enable automatic packet-capture for IP Fragment Overlap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overload

Description Enable automatic packet-capture for IP Frag Overload Drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_reasmfails

Description Enable automatic packet-capture for IP Fragment Reasm Fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_tcp_dropped

Description Enable automatic packet-capture for IP Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_timeout

Description Enable automatic packet-capture for IP Fragment Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_udp_dropped

Description Enable automatic packet-capture for IP Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4_frag_6rd_drop

Description Enable automatic packet-capture for IPv4 Frag 6RD Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_gre_dropped

Description Enable automatic packet-capture for IPv6 Frag gre Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_ipip_dropped

Description Enable automatic packet-capture for IPv6 Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_tcp_dropped

Description Enable automatic packet-capture for IPv6 Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_udp_dropped

Description Enable automatic packet-capture for IPv6 Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prot_down_drop

Description Enable automatic packet-capture for Prot Down Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl_exceeded_drop

Description Enable automatic packet-capture for TTL Exceeded Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unknown_prot_drop

Description Enable automatic packet-capture for Unknown Prot Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-switch_trigger-stats-rate

Specification	
Type	*object*

badpkt_drop

Description Enable automatic packet-capture for Bad Pkt Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

incorrect_len_drop

Description Enable automatic packet-capture for Incorrect Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_rx_arp_pkt

Description Enable automatic packet-capture for Invalid ARP PKT Rcvd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_sender_mac_arp_drop

Description Enable automatic packet-capture for ARP PKT dropped due to invalid sender MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_defrag_invalid_len

Description Enable automatic packet-capture for IP Invalid Length Frag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_oversize

Description Enable automatic packet-capture for IP Fragment oversize

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_frag_too_many

Description Enable automatic packet-capture for IP Fragment too many

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_ipip_dropped

Description Enable automatic packet-capture for IP Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overlap

Description Enable automatic packet-capture for IP Fragment Overlap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_overload

Description Enable automatic packet-capture for IP Frag Overload Drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_reasmfails

Description Enable automatic packet-capture for IP Fragment Reasm Fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_tcp_dropped

Description Enable automatic packet-capture for IP Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_timeout

Description Enable automatic packet-capture for IP Fragment Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipfrag_udp_dropped

Description Enable automatic packet-capture for IP Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4_frag_6rd_drop

Description Enable automatic packet-capture for IPv4 Frag 6RD Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_gre_dropped

Description Enable automatic packet-capture for IPv6 Frag gre Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_ipip_dropped

Description Enable automatic packet-capture for IPv6 Frag IPIP Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_tcp_dropped

Description Enable automatic packet-capture for IPv6 Frag TCP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6frag_udp_dropped

Description Enable automatic packet-capture for IPv6 Frag UDP Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prot_down_drop

Description Enable automatic packet-capture for Prot Down Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

ttl_exceeded_drop

Description Enable automatic packet-capture for TTL Exceeded Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unknown_prot_drop

Description Enable automatic packet-capture for Unknown Prot Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-inc

Specification	
Type	*object*

adc_port_allocation_failed

Description Enable automatic packet-capture for ADC Port Allocation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_failure

Description Enable automatic packet-capture for LSN Fullcone Extension Memory Allocate Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_init_faulure

Description Enable automatic packet-capture for LSN Fullcone Extension Initialization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_alloc_single_port_failure

Description Enable automatic packet-capture for H323 ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_filtered

Description Enable automatic packet-capture for Endpoint-Dependent Filtering Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_port_pair_alloc_from_quota_par

Description Enable automatic packet-capture for MGCP ALG Port Pair Allocated From Quota Partition Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new_user_resource_unavailable

Description Enable automatic packet-capture for New User NAT Resource Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_class_list_match

Description Enable automatic packet-capture for No Class-List Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_inc_overflow

Description Enable automatic packet-capture for Port Overloading Inc Overflow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_out_of_memory

Description Enable automatic packet-capture for Port Overloading Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_rtp_rtcp_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc RTP/RTCP NAT Ports Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_single_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_quota_inc_failure

Description Enable automatic packet-capture for SIP ALG User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby_class_list_drop

Description Enable automatic packet-capture for HA Standby Class-List drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn_trigger-stats-rate

Specification	
Type	*object*

adc_port_allocation_failed

Description Enable automatic packet-capture for ADC Port Allocation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

eif_limit_exceeded

Description Enable automatic packet-capture for Endpoint-Independent Filtering Inbound Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended_quota_exceeded

Description Enable automatic packet-capture for Extended User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_failure

Description Enable automatic packet-capture for LSN Fullcone Extension Memory Allocate Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_ext_mem_alloc_init_faulure

Description Enable automatic packet-capture for LSN Fullcone Extension Initialization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_alloc_single_port_failure

Description Enable automatic packet-capture for H323 ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

h323_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for H323 ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp_user_quota_exceeded

Description Enable automatic packet-capture for ICMP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_filtered

Description Enable automatic packet-capture for Endpoint-Dependent Filtering Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for MGCP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mgcp_alg_port_pair_alloc_from_quota_par

Description Enable automatic packet-capture for MGCP ALG Port Pair Allocated From Quota Partition Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

new_user_resource_unavailable

Description Enable automatic packet-capture for New User NAT Resource Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_class_list_match

Description Enable automatic packet-capture for No Class-List Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_radius_profile_match

Description Enable automatic packet-capture for No RADIUS Profile Match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_inc_overflow

Description Enable automatic packet-capture for Port Overloading Inc Overflow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port_overloading_out_of_memory

Description Enable automatic packet-capture for Port Overloading Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_rtp_rtcp_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc RTP/RTCP NAT Ports Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_alloc_single_port_failure

Description Enable automatic packet-capture for SIP ALG Alloc Single RTP or RTCP NAT Port Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtcp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_rtp_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create RTP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_create_single_fullcone_failure

Description Enable automatic packet-capture for SIP ALG Create Single RTP or RTCP Full-cone Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip_alg_quota_inc_failure

Description Enable automatic packet-capture for SIP ALG User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby_class_list_drop

Description Enable automatic packet-capture for HA Standby Class-List drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp_user_quota_exceeded

Description Enable automatic packet-capture for TCP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

udp_user_quota_exceeded

Description Enable automatic packet-capture for UDP User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-mssql

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-mssql_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-mssql_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-mssql/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-mssql_trigger-stats-inc

Specification	
Type	*object*

auth_failure

Description Enable automatic packet-capture for Authentication Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-mssql_trigger-stats-rate

Specification	
Type	*object*

auth_failure

Description Enable automatic packet-capture for Authentication Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-logging

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-logging/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-inc

Specification	
Type	*object*

conn-tcp-dropped

Description Enable automatic packet-capture for TCP Connection Lost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-logging_trigger-stats-rate

Specification	
Type	*object*

conn-tcp-dropped

Description Enable automatic packet-capture for TCP Connection Lost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-generic

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-generic_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-generic_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-generic/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-generic_trigger-stats-inc

Specification	
Type	*object*

no_route

Description Enable automatic packet-capture for Number of no routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Number of snat failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Number of server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-generic_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

no_route

Description Enable automatic packet-capture for Number of no routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Number of snat failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Number of server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ftp-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ftp-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-inc

Specification	
Type	*object*

auth_fail

Description Enable automatic packet-capture for Auth Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ftp-proxy_trigger-stats-rate

Specification	
Type	*object*

auth_fail

Description Enable automatic packet-capture for Auth Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-l4

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-l4_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-l4_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-l4/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-l4_trigger-stats-inc

Specification	
Type	*object*

bw_rate_limit_exceed

Description Enable automatic packet-capture for BW-Limit Exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent_conn_exceed

Description Enable automatic packet-capture for L3V Conn Limit Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_drop

Description Enable automatic packet-capture for Conn rate limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_reset

Description Enable automatic packet-capture for Conn rate limit resets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connlimit_drop

Description Enable automatic packet-capture for Conn Limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_policy_drop

Description Enable automatic packet-capture for DNS Policy Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_cps_exceed

Description Enable automatic packet-capture for L4 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7_cps_exceed

Description Enable automatic packet-capture for L7 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_cps_exceed

Description Enable automatic packet-capture for NAT CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_resourse_drop

Description Enable automatic packet-capture for No resource drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_vport_drop

Description Enable automatic packet-capture for vport not matching drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

novport_drop

Description Enable automatic packet-capture for NAT no session drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_cps_exceed

Description Enable automatic packet-capture for SSL CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_tpt_exceed

Description Enable automatic packet-capture for SSL TPT exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrselfail

Description Enable automatic packet-capture for Server sel failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiescheckfailed

Description Enable automatic packet-capture for TCP SYN cookie failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiessentfailed

Description Enable automatic packet-capture for TCP SYN cookie snt fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-l4_trigger-stats-rate

Specification	
Type	*object*

bw_rate_limit_exceed

Description Enable automatic packet-capture for BW-Limit Exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent_conn_exceed

Description Enable automatic packet-capture for L3V Conn Limit Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_drop

Description Enable automatic packet-capture for Conn rate limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn_rate_limit_reset

Description Enable automatic packet-capture for Conn rate limit resets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connlimit_drop

Description Enable automatic packet-capture for Conn Limit drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_policy_drop

Description Enable automatic packet-capture for DNS Policy Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

l4_cps_exceed

Description Enable automatic packet-capture for L4 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7_cps_exceed

Description Enable automatic packet-capture for L7 CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_cps_exceed

Description Enable automatic packet-capture for NAT CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_resourse_drop

Description Enable automatic packet-capture for No resource drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_vport_drop

Description Enable automatic packet-capture for vport not matching drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

novport_drop

Description Enable automatic packet-capture for NAT no session drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_cps_exceed

Description Enable automatic packet-capture for SSL CPS exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl_tpt_exceed

Description Enable automatic packet-capture for SSL TPT exceed drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrselfail

Description Enable automatic packet-capture for Server sel failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiescheckfailed

Description Enable automatic packet-capture for TCP SYN cookie failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syncookiessentfailed

Description Enable automatic packet-capture for TCP SYN cookie snt fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-smtp

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-smtp_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-smtp_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-smtp/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-smtp_trigger-stats-inc

Specification	
Type	*object*

get_all_headers_fail

Description Enable automatic packet-capture for Get all headers fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_resonse_line_fail

Description Enable automatic packet-capture for Ins response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_extend_fail

Description Enable automatic packet-capture for Line extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_table_extend_fail

Description Enable automatic packet-capture for Table extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_too_long

Description Enable automatic packet-capture for Line too long

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

read_request_line_fail

Description Enable automatic packet-capture for Read request line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv_server_unknow_reply_code

Description Enable automatic packet-capture for Recv server unknown-code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove_resonse_line_fail

Description Enable automatic packet-capture for Del response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send_client_service_not_ready

Description Enable automatic packet-capture for Sent client serv-not-rdy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

too_many_headers

Description Enable automatic packet-capture for Too many headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-smtp_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

get_all_headers_fail

Description Enable automatic packet-capture for Get all headers fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_resonse_line_fail

Description Enable automatic packet-capture for Ins response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_extend_fail

Description Enable automatic packet-capture for Line extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_table_extend_fail

Description Enable automatic packet-capture for Table extend fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

line_too_long

Description Enable automatic packet-capture for Line too long

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

read_request_line_fail

Description Enable automatic packet-capture for Read request line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv_server_unknow_reply_code

Description Enable automatic packet-capture for Recv server unknown-code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove_resonse_line_fail

Description Enable automatic packet-capture for Del response line fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send_client_service_not_ready

Description Enable automatic packet-capture for Sent client serv-not-rdy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for Source NAT failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

too_many_headers

Description Enable automatic packet-capture for Too many headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_logging-local-log-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/logging-local-log-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-inc

Specification	
Type	*object*

enqueue-error

Description Enable automatic packet-capture for Total local-log enqueue error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enqueue-full

Description Enable automatic packet-capture for Total local-log queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_logging-local-log-global_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

enqueue-error

Description Enable automatic packet-capture for Total local-log enqueue error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enqueue-full

Description Enable automatic packet-capture for Total local-log queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-crl-srcip

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-crl-srcip/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-inc

Specification	
Type	*object*

lockout_drop

Description Enable automatic packet-capture for Lockout drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out_of_sessions

Description Enable automatic packet-capture for Out of sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold_exceed

Description Enable automatic packet-capture for Threshold exceeded count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-crl-srcip_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

lockout_drop

Description Enable automatic packet-capture for Lockout drops

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out_of_sessions

Description Enable automatic packet-capture for Out of sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

threshold_exceed

Description Enable automatic packet-capture for Threshold exceeded count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-account

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-account/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-inc

Specification	
Type	*object*

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-account_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-captcha

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-captcha/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-inc

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attribute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-captcha_trigger-stats-rate

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attribute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

job-start-error

Description Enable automatic packet-capture for Total Job Start Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

polling-control-error

Description Enable automatic packet-capture for Total Polling Control Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-dropped

Description Enable automatic packet-capture for Total Dropped Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-error

Description Enable automatic packet-capture for Total Error Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-timeout

Description Enable automatic packet-capture for Total Timeout Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_fw-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/fw-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-global_trigger-stats-inc

Specification	
Type	*object*

fullcone_creation_failure

Description Enable automatic packet-capture for Full-Cone Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_fw-global_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fullcone_creation_failure

Description Enable automatic packet-capture for Full-Cone Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-spdy-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-spdy-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-inc

Specification	
Type	*object*

ctx_alloc_fail

Description Enable automatic packet-capture for Context alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http_conn_alloc_fail

Description Enable automatic packet-capture for HTTP connection allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request_header_alloc_fail

Description Enable automatic packet-capture for Request/Header allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stream_alloc_fail

Description Enable automatic packet-capture for Stream alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-spdy-proxy_trigger-stats-rate

Specification	
Type	*object*

ctx_alloc_fail

Description Enable automatic packet-capture for Context alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

http_conn_alloc_fail

Description Enable automatic packet-capture for HTTP connection allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request_header_alloc_fail

Description Enable automatic packet-capture for Request/Header allocation fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stream_alloc_fail

Description Enable automatic packet-capture for Stream alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-hw-compress

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-hw-compress/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-inc

Specification	
Type	*object*

max_outstanding_request_count

Description Enable automatic packet-capture for Max queued request count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max_outstanding_submit_count

Description Enable automatic packet-capture for Max queued submit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ring_full_count

Description Enable automatic packet-capture for Compression queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-hw-compress_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

max_outstanding_request_count

Description Enable automatic packet-capture for Max queued request count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max_outstanding_submit_count

Description Enable automatic packet-capture for Max queued submit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ring_full_count

Description Enable automatic packet-capture for Compression queue full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-radius

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-lsn-radius/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-inc

Specification	
Type	*object*

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-lsn-radius_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-dpdk-stats

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-dpdk-stats/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-inc

Specification	
Type	*object*

err-pkt-drop

Description Enable automatic packet-capture for Total error packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-ring-drop

Description Enable automatic packet-capture for Total IO core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-rx-que-drop

Description Enable automatic packet-capture for Total IO core Rx queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-tx-que-drop

Description Enable automatic packet-capture for Total IO core TX queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-drop

Description Enable automatic packet-capture for Total packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-lnk-down-drop

Description Enable automatic packet-capture for Total packets link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-align-err

Description Enable automatic packet-capture for Total RX packet align error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-crc-err

Description Enable automatic packet-capture for Total RX packet CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-csum-offload-err

Description Enable automatic packet-capture for Total Rx packet check-sum offload error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-err

Description Enable automatic packet-capture for Total RX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-frame-err

Description Enable automatic packet-capture for Total RX packet frame error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-len-err

Description Enable automatic packet-capture for Total RX packet length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-long-len-err

Description Enable automatic packet-capture for Total RX packet long length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-miss-err

Description Enable automatic packet-capture for Total RX packet miss error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-no-buff-err

Description Enable automatic packet-capture for Total RX packet no buffer error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-over-err

Description Enable automatic packet-capture for Total RX packet over error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-short-len-err

Description Enable automatic packet-capture for Total RX packet short length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-abort-err

Description Enable automatic packet-capture for Total TX packet abort error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-carrier-err

Description Enable automatic packet-capture for Total TX packert carrier error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-drop

Description Enable automatic packet-capture for Total TX packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-err

Description Enable automatic packet-capture for Total TX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-fifo-err

Description Enable automatic packet-capture for Total TX packet fifo error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-hbeat-err

Description Enable automatic packet-capture for Total TX packet HBEAT error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-windows-err

Description Enable automatic packet-capture for Total TX windows error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

w-link-down-drop

Description Enable automatic packet-capture for Total worker core link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-ring-drop

Description Enable automatic packet-capture for Total worker core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-tx-que-drop

Description Enable automatic packet-capture for Total worker core queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-sys-obj-stats-change_system-dpdk-stats_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

err-pkt-drop

Description Enable automatic packet-capture for Total error packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-ring-drop

Description Enable automatic packet-capture for Total IO core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-rx-que-drop

Description Enable automatic packet-capture for Total IO core Rx queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io-tx-que-drop

Description Enable automatic packet-capture for Total IO core TX queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-drop

Description Enable automatic packet-capture for Total packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-lnk-down-drop

Description Enable automatic packet-capture for Total packets link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-align-err

Description Enable automatic packet-capture for Total RX packet align error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-crc-err

Description Enable automatic packet-capture for Total RX packet CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-csum-offload-err

Description Enable automatic packet-capture for Total Rx packet check-sum offload error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-err

Description Enable automatic packet-capture for Total RX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-frame-err

Description Enable automatic packet-capture for Total RX packet frame error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-len-err

Description Enable automatic packet-capture for Total RX packet length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-long-len-err

Description Enable automatic packet-capture for Total RX packet long length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-miss-err

Description Enable automatic packet-capture for Total RX packet miss error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-no-buff-err

Description Enable automatic packet-capture for Total RX packet no buffer error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-over-err

Description Enable automatic packet-capture for Total RX packet over error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx-short-len-err

Description Enable automatic packet-capture for Total RX packet short length error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

tx-abort-err

Description Enable automatic packet-capture for Total TX packet abort error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-carrier-err

Description Enable automatic packet-capture for Total TX packert carrier error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-drop

Description Enable automatic packet-capture for Total TX packet drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-err

Description Enable automatic packet-capture for Total TX packet error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-fifo-err

Description Enable automatic packet-capture for Total TX packet fifo error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-hbeat-err

Description Enable automatic packet-capture for Total TX packet HBEAT error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-windows-err

Description Enable automatic packet-capture for Total TX windows error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

w-link-down-drop

Description Enable automatic packet-capture for Total worker core link down drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-ring-drop

Description Enable automatic packet-capture for Total worker core ring drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

w-tx-que-drop

Description Enable automatic packet-capture for Total worker core queue drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-sys-obj-stats-change_cgnv6-ddos-proc

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ddos-proc/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-inc

Specification	
Type	*object*

ip_node_alloc_failure

Description Enable automatic packet-capture for Node alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_other_block_alloc_failure

Description Enable automatic packet-capture for Other block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_port_block_alloc_failure

Description Enable automatic packet-capture for Port block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_bgp_failure

Description Enable automatic packet-capture for L3 Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_hw_failure

Description Enable automatic packet-capture for L3 entry HW add failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_drop_max_hw_exceeded

Description Enable automatic packet-capture for L3 Entry Drop due to HW Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop

Description Enable automatic packet-capture for L3 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop_hw

Description Enable automatic packet-capture for L3 HW entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for L3 entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_list_alloc_failure

Description Enable automatic packet-capture for L4 Entry list alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop

Description Enable automatic packet-capture for L4 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop_hw

Description Enable automatic packet-capture for L4 HW Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn_cookie_verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-ddos-proc_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ip_node_alloc_failure

Description Enable automatic packet-capture for Node alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_other_block_alloc_failure

Description Enable automatic packet-capture for Other block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_port_block_alloc_failure

Description Enable automatic packet-capture for Port block alloc failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_bgp_failure

Description Enable automatic packet-capture for L3 Entry BGP add failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_add_to_hw_failure

Description Enable automatic packet-capture for L3 entry HW add failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_drop_max_hw_exceeded

Description Enable automatic packet-capture for L3 Entry Drop due to HW Limit Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop

Description Enable automatic packet-capture for L3 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_match_drop_hw

Description Enable automatic packet-capture for L3 HW entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3_entry_remove_from_bgp_failure

Description Enable automatic packet-capture for L3 entry BGP remove failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_list_alloc_failure

Description Enable automatic packet-capture for L4 Entry list alloc failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop

Description Enable automatic packet-capture for L4 Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4_entry_match_drop_hw

Description Enable automatic packet-capture for L4 HW Entry match drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn_cookie_verification_failed

Description Enable automatic packet-capture for SYN cookie verification failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-imap-proxy

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-imap-proxy/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-inc

Specification	
Type	*object*

cl_est_err

Description Enable automatic packet-capture for Client EST state erro

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cl_request_err

Description Enable automatic packet-capture for Client RQ state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_send_fail

Description Enable automatic packet-capture for data send fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_server_conn_fail

Description Enable automatic packet-capture for data svr conn fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ser_connecting_err

Description Enable automatic packet-capture for Serv CTNG state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_response_err

Description Enable automatic packet-capture for Serv RESP state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-imap-proxy_trigger-stats-rate

Specification	
Type	*object*

cl_est_err

Description Enable automatic packet-capture for Client EST state erro

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cl_request_err

Description Enable automatic packet-capture for Client RQ state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_send_fail

Description Enable automatic packet-capture for data send fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_server_conn_fail

Description Enable automatic packet-capture for data svr conn fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

insert_tuple_fail

Description Enable automatic packet-capture for Serv Sel insert tuple fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no_route

Description Enable automatic packet-capture for no route failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rsv_persist_conn_fail

Description Enable automatic packet-capture for Serv Sel Persist fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ser_connecting_err

Description Enable automatic packet-capture for Serv CTNG state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_response_err

Description Enable automatic packet-capture for Serv RESP state error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_create_fail

Description Enable automatic packet-capture for smp create fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v4_fail

Description Enable automatic packet-capture for Serv Sel SMPv4 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp_v6_fail

Description Enable automatic packet-capture for Serv Sel SMPv6 fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat_fail

Description Enable automatic packet-capture for source nat failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrsel_fail

Description Enable automatic packet-capture for Server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ssl-cert-revoke

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-ssl-cert-revoke/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-inc

Specification	
Type	*object*

crl_cache_status_revoked

Description Enable automatic packet-capture for CRL cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_connection_error

Description Enable automatic packet-capture for CRL connection errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_other_error

Description Enable automatic packet-capture for CRL other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_revoked

Description Enable automatic packet-capture for CRL response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_unknown

Description Enable automatic packet-capture for CRL response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_https

Description Enable automatic packet-capture for CRL URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_not_found

Description Enable automatic packet-capture for CRL URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_unsupported

Description Enable automatic packet-capture for CRL URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_miss

Description Enable automatic packet-capture for OCSP cache miss

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_status_revoked

Description Enable automatic packet-capture for OCSP cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_revoked

Description Enable automatic packet-capture for Certificate chain status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_unknown

Description Enable automatic packet-capture for Certificate chain status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_connection_error

Description Enable automatic packet-capture for OCSP connection error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_other_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_no_nonce

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_nonce_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_revoked

Description Enable automatic packet-capture for OCSP response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_unknown

Description Enable automatic packet-capture for OCSP response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_https

Description Enable automatic packet-capture for Log OCSP URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_not_found

Description Enable automatic packet-capture for OCSP URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_unsupported

Description Enable automatic packet-capture for OCSP URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-ssl-cert-revoke_trigger-stats-rate

Specification	
Type	*object*

crl_cache_status_revoked

Description Enable automatic packet-capture for CRL cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_connection_error

Description Enable automatic packet-capture for CRL connection errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_other_error

Description Enable automatic packet-capture for CRL other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_revoked

Description Enable automatic packet-capture for CRL response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_response_status_unknown

Description Enable automatic packet-capture for CRL response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_https

Description Enable automatic packet-capture for CRL URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_not_found

Description Enable automatic packet-capture for CRL URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl_uri_unsupported

Description Enable automatic packet-capture for CRL URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ocsp_cache_miss

Description Enable automatic packet-capture for OCSP cache miss

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_cache_status_revoked

Description Enable automatic packet-capture for OCSP cache status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_revoked

Description Enable automatic packet-capture for Certificate chain status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_chain_status_unknown

Description Enable automatic packet-capture for Certificate chain status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_connection_error

Description Enable automatic packet-capture for OCSP connection error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_other_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_no_nonce

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_nonce_error

Description Enable automatic packet-capture for Log OCSP other errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_revoked

Description Enable automatic packet-capture for OCSP response status revoked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_response_status_unknown

Description Enable automatic packet-capture for OCSP response status unknown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_https

Description Enable automatic packet-capture for Log OCSP URI https

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_not_found

Description Enable automatic packet-capture for OCSP URI not found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp_uri_unsupported

Description Enable automatic packet-capture for OCSP URI unsupported

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-radius-server

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-radius-server_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_system-radius-server_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/system-radius-server/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-radius-server_trigger-stats-inc

Specification	
Type	*object*

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-ignored

Description Enable automatic packet-capture for RADIUS Request Ignored

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_system-radius-server_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

ha-standby-dropped

Description Enable automatic packet-capture for HA Standby Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-prefix-length-mismatch

Description Enable automatic packet-capture for Framed IPV6 Prefix Length Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-request-dropped

Description Enable automatic packet-capture for RADIUS Request Dropped (Malformed Packet)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-bad-secret-dropped

Description Enable automatic packet-capture for RADIUS Request Bad Secret Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-ignored

Description Enable automatic packet-capture for RADIUS Request Ignored

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-malformed-dropped

Description Enable automatic packet-capture for RADIUS Request Malformed Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-no-key-vap-dropped

Description Enable automatic packet-capture for RADIUS Request No Key Attribute Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-not-configured-dropped

Description Enable automatic packet-capture for RADIUS Secret Not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-link-probe

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-link-probe/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-inc

Specification	
Type	*object*

err_entry_create_failed

Description Enable automatic packet-capture for Entry Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_create_oom

Description Enable automatic packet-capture for Entry Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_insert_failed

Description Enable automatic packet-capture for Entry Insert Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_l4_sess_alloc

Description Enable automatic packet-capture for Error allocating L4 session for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_probe_tcp_conn_send

Description Enable automatic packet-capture for Error in initiating TCP connection for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_alloc

Description Enable automatic packet-capture for Error creating Smart NAT Instance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_port_alloc

Description Enable automatic packet-capture for Error obtaining Smart NAT source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_failed

Description Enable automatic packet-capture for Probe Template Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_oom

Description Enable automatic packet-capture for Probe Template Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-link-probe_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

err_entry_create_failed

Description Enable automatic packet-capture for Entry Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_create_oom

Description Enable automatic packet-capture for Entry Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_entry_insert_failed

Description Enable automatic packet-capture for Entry Insert Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_l4_sess_alloc

Description Enable automatic packet-capture for Error allocating L4 session for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_probe_tcp_conn_send

Description Enable automatic packet-capture for Error in initiating TCP connection for probe

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_alloc

Description Enable automatic packet-capture for Error creating Smart NAT Instance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_smart_nat_port_alloc

Description Enable automatic packet-capture for Error obtaining Smart NAT source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_failed

Description Enable automatic packet-capture for Probe Template Creation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

err_tmpl_probe_create_oom

Description Enable automatic packet-capture for Probe Template Creation Out of Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-l4

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-l4/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-inc

Specification	
Type	*object*

icmp-host-unreachable-sent

Description Enable automatic packet-capture for ICMP Host Unreachable Sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-reply-no-session-drop

Description Enable automatic packet-capture for ICMP Reply No Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-dst-invalid-unicast

Description Enable automatic packet-capture for IPv4 Destination Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-src-invalid-unicast

Description Enable automatic packet-capture for IPv4 Source Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip-truncated

Description Enable automatic packet-capture for IPIP Truncated Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Session Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate_drop_reset_unkn

Description Enable automatic packet-capture for Rate Drop reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-l4_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

icmp-host-unreachable-sent

Description Enable automatic packet-capture for ICMP Host Unreachable Sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-reply-no-session-drop

Description Enable automatic packet-capture for ICMP Reply No Session Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-dst-invalid-unicast

Description Enable automatic packet-capture for IPv4 Destination Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-src-invalid-unicast

Description Enable automatic packet-capture for IPv4 Source Not Valid Unicast

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipip-truncated

Description Enable automatic packet-capture for IPIP Truncated Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-fwd-route

Description Enable automatic packet-capture for No Forward Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-rev-route

Description Enable automatic packet-capture for No Reverse Route for Session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-session-memory

Description Enable automatic packet-capture for Out of Session Memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate_drop_reset_unkn

Description Enable automatic packet-capture for Rate Drop reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-saml-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/aam-auth-saml-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-inc

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for Total SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_aam-auth-saml-global_trigger-stats-rate

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for Total SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-ds-lite-global

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-ds-lite-global/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-inc

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_pool_unusable

Description Enable automatic packet-capture for NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_unusable_drop

Description Enable automatic packet-capture for User-Quota Unusable Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-ds-lite-global_trigger-stats-rate

Specification	
Type	*object*

data_sesn_rate_user_quota_exceeded

Description Enable automatic packet-capture for Conn Rate User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_sesn_user_quota_exceeded

Description Enable automatic packet-capture for Data Session User-Quota Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fullcone_failure

Description Enable automatic packet-capture for Full-cone Session Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fullcone_self_hairpinning_drop

Description Enable automatic packet-capture for Self-Hairpinning Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_batch_type_mismatch

Description Enable automatic packet-capture for HA NAT Pool Batch Type Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha_nat_pool_unusable

Description Enable automatic packet-capture for HA NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid_drop

Description Enable automatic packet-capture for LSN LID Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_pool_unusable

Description Enable automatic packet-capture for NAT Pool Unusable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_icmp

Description Enable automatic packet-capture for ICMP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_tcp

Description Enable automatic packet-capture for TCP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat_port_unavailable_udp

Description Enable automatic packet-capture for UDP NAT Port Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

user_quota_failure

Description Enable automatic packet-capture for User-Quota Creation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user_quota_unusable_drop

Description Enable automatic packet-capture for User-Quota Unusable Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-rc-cache

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-rc-cache/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-inc

Specification	
Type	*object*

entry_create_failures

Description Enable automatic packet-capture for Entry Create failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rv_failure

Description Enable automatic packet-capture for Revalidation Failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-rc-cache_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

entry_create_failures

Description Enable automatic packet-capture for Entry Create failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rv_failure

Description Enable automatic packet-capture for Revalidation Failures

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-dns64

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/cgnv6-dns64/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-inc

Specification	
Type	*object*

drop

Description Enable automatic packet-capture for Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-err

Description Enable automatic packet-capture for Response Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_cgnv6-dns64_trigger-stats-rate

Specification	
Type	*object*

drop

Description Enable automatic packet-capture for Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

resp-err

Description Enable automatic packet-capture for Response Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-http2

Specification	
Type	*object*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-http2_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-sys-obj-stats-change_slb-http2_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/global-templates/template/{name}/trigger-sys-obj-stats-change/slb-http2/trigger-stats-rate*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-http2_trigger-stats-inc

Specification	
Type	*object*

alloc_fail_total

Description Enable automatic packet-capture for Alloc Fail - Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff_alloc_error

Description Enable automatic packet-capture for Buff alloc error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_control_frame

Description Enable automatic packet-capture for Cant allocate control frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_goaway_frame

Description Enable automatic packet-capture for Cant allocate GOAWAY frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_ping_frame

Description Enable automatic packet-capture for Cant allocate PING frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_rst_frame

Description Enable automatic packet-capture for Cant allocate RST_STREAM frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_settings_frame

Description Enable automatic packet-capture for Cant allocate SETTINGS frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_stream

Description Enable automatic packet-capture for Cant allocate stream

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_window_frame

Description Enable automatic packet-capture for Cant allocate WINDOW_UPDATE frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_queue_alloc_error

Description Enable automatic packet-capture for Data Queue Alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deflate_alloc_fail

Description Enable automatic packet-capture for deflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inflate_alloc_fail

Description Enable automatic packet-capture for inflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy_alloc_error

Description Enable automatic packet-capture for HTTP2 Proxy alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-change_slb-http2_trigger-stats-rate

Specification	
Type	*object*

alloc_fail_total

Description Enable automatic packet-capture for Alloc Fail - Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff_alloc_error

Description Enable automatic packet-capture for Buff alloc error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_control_frame

Description Enable automatic packet-capture for Cant allocate control frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_goaway_frame

Description Enable automatic packet-capture for Cant allocate GOAWAY frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_ping_frame

Description Enable automatic packet-capture for Cant allocate PING frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_rst_frame

Description Enable automatic packet-capture for Cant allocate RST_STREAM frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_settings_frame

Description Enable automatic packet-capture for Cant allocate SETTINGS frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_stream

Description Enable automatic packet-capture for Cant allocate stream

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cant_allocate_window_frame

Description Enable automatic packet-capture for Cant allocate WINDOW_UPDATE frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data_queue_alloc_error

Description Enable automatic packet-capture for Data Queue Alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deflate_alloc_fail

Description Enable automatic packet-capture for deflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inflate_alloc_fail

Description Enable automatic packet-capture for inflate alloc fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy_alloc_error

Description Enable automatic packet-capture for HTTP2 Proxy alloc Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description The threshold percentage over which to caputre the packets for this counter, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-sys-obj-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.40 visibility packet-capture object-templates

Configure object packet capture templates for T2 counters

object-templates Specification

Type	*Configuration Resource*
Element Name	object-templates
Element URI	/axapi/v3/visibility/packet-capture/object-templates
Element Attributes	object-templates_attributes
Schema	`object-templates schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates

object-templates attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates

object-templates attributes

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates

object-templates attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates

object-templates attributes

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates

object-templates attributes

object-templates attributes

aam-aaa-policy-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}*

aam-auth-captcha-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}*

aam-auth-logon-http-ins-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}*

aam-auth-relay-form-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}*

aam-auth-relay-hbase-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}*

aam-auth-relay-ntlm-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}*

aam-auth-saml-id-prov-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}*

aam-auth-saml-service-prov-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}*

aam-auth-server-ldap-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}*

aam-auth-server-ocsp-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}*

aam-auth-server-rad-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}*

aam-auth-server-win-inst-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}*

aam-auth-service-group-mem-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}*

aam-auth-service-group-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}*

aam-jwt-authorization-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}*

cgnv6-encap-domain-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}*

cgnv6-map-trans-domain-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}*

dns_vport-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}*

dummy

Description dummy to make intermediate obj to single

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-server-port-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}*

fw-service-group-mem-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}*

fw-service-group-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}*

interface-ethernet-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}*

rule-set-rule-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}*

rule-set-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}*

slb-port-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}*

slb-tmpl-cache-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}*

slb-vport-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}*

tmpl-gtp-plcy-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-ldap-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-server-ldap-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-server-ldap-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-server-ldap-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-ldap-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-ldap-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw_change_failure

Description Enable automatic packet-capture for Password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-ldap-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

pw_change_failure

Description Enable automatic packet-capture for Password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-ntlm-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-relay-ntlm-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-relay-ntlm-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-relay-ntlm-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-ntlm-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-ntlm-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

buffer-alloc-fail

Description Enable automatic packet-capture for Buffer Allocation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encoding-fail

Description Enable automatic packet-capture for Encoding Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-header-fail

Description Enable automatic packet-capture for Insert Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internal-error

Description Enable automatic packet-capture for Internal Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-header-fail

Description Enable automatic packet-capture for Parse Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-ntlm-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

buffer-alloc-fail

Description Enable automatic packet-capture for Buffer Allocation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

encoding-fail

Description Enable automatic packet-capture for Encoding Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-header-fail

Description Enable automatic packet-capture for Insert Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internal-error

Description Enable automatic packet-capture for Internal Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-header-fail

Description Enable automatic packet-capture for Parse Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-jwt-authorization-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-jwt-authorization-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-jwt-authorization-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-jwt-authorization-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-jwt-authorization-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-jwt-authorization-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

jwt-authorize-failure

Description Enable automatic packet-capture for JWT Authorize Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-claim

Description Enable automatic packet-capture for JWT Missing Claim

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-token

Description Enable automatic packet-capture for JWT Missing Token

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-signature-failure

Description Enable automatic packet-capture for JWT Signature Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-token-expired

Description Enable automatic packet-capture for JWT Token Expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-jwt-authorization-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

jwt-authorize-failure

Description Enable automatic packet-capture for JWT Authorize Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-claim

Description Enable automatic packet-capture for JWT Missing Claim

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-token

Description Enable automatic packet-capture for JWT Missing Token

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-signature-failure

Description Enable automatic packet-capture for JWT Signature Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-token-expired

Description Enable automatic packet-capture for JWT Token Expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-rad-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-server-rad-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-server-rad-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-server-rad-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-rad-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-rad-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

timeout_error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-rad-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout_error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-service-group-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-service-group-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-service-group-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-service-group-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-service-group-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-service-group-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server_selection_fail_drop

Description Enable automatic packet-capture for Drops due to Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Resets sent out for Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-service-group-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server_selection_fail_drop

Description Enable automatic packet-capture for Drops due to Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Resets sent out for Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-server-port-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *fw-server-port-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *fw-server-port-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *fw-server-port-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-server-port-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-server-port-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_invalid_http

Description Enable automatic packet-capture for Total non-http response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-server-port-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_invalid_http

Description Enable automatic packet-capture for Total non-http response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_vport-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *dns_vport-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *dns_vport-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *dns_vport-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_vport-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_vport-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

dns_filter_class_any_drop

Description Enable automatic packet-capture for counters DNS Filter Class ANY Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_chaos_drop

Description Enable automatic packet-capture for counters DNS Filter Class CHAOS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_hesiod_drop

Description Enable automatic packet-capture for counters DNS Filter Class HESIOD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_internet_drop

Description Enable automatic packet-capture for counters DNS Filter Class INTERNET Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_none_drop

Description Enable automatic packet-capture for counters DNS Filter Class NONE Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_others_drop

Description Enable automatic packet-capture for counters DNS Filter Class OTHER Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_a_drop

Description Enable automatic packet-capture for counters DNS Filter Type A Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_aaaa_drop

Description Enable automatic packet-capture for counters DNS Filter Type AAAA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_any_drop

Description Enable automatic packet-capture for counters DNS Filter Type Any Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_cname_drop

Description Enable automatic packet-capture for counters DNS Filter Type CNAME Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_mx_drop

Description Enable automatic packet-capture for counters DNS Filter Type MX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ns_drop

Description Enable automatic packet-capture for counters DNS Filter Type NS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_others_drop

Description Enable automatic packet-capture for counters DNS Filter Type OTHERS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ptr_drop

Description Enable automatic packet-capture for counters DNS Filter Type PTR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_soa_drop

Description Enable automatic packet-capture for counters DNS Filter Type SOA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_srv_drop

Description Enable automatic packet-capture for counters DNS Filter Type SRV Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_txt_drop

Description Enable automatic packet-capture for counters DNS Filter Type TXT Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_rpz_action_drop

Description Enable automatic packet-capture for DNS RPZ Action Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for dns rrl drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_query_bad

Description Enable automatic packet-capture for gslb query bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_response_bad

Description Enable automatic packet-capture for gslb response bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_class_drop

Description Enable automatic packet-capture for counters Total DNS Filter Class Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_type_drop

Description Enable automatic packet-capture for counters Total DNS Filter Type Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_filter_drop

Description Enable automatic packet-capture for query filter drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_max_query_len_drop

Description Enable automatic packet-capture for query too long drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_vport-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

dns_filter_class_any_drop

Description Enable automatic packet-capture for counters DNS Filter Class ANY Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_chaos_drop

Description Enable automatic packet-capture for counters DNS Filter Class CHAOS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_hesiod_drop

Description Enable automatic packet-capture for counters DNS Filter Class HESIOD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_internet_drop

Description Enable automatic packet-capture for counters DNS Filter Class INTERNET Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_none_drop

Description Enable automatic packet-capture for counters DNS Filter Class NONE Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_others_drop

Description Enable automatic packet-capture for counters DNS Filter Class OTHER Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_a_drop

Description Enable automatic packet-capture for counters DNS Filter Type A Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_aaaa_drop

Description Enable automatic packet-capture for counters DNS Filter Type AAAA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_any_drop

Description Enable automatic packet-capture for counters DNS Filter Type Any Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_cname_drop

Description Enable automatic packet-capture for counters DNS Filter Type CNAME Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_mx_drop

Description Enable automatic packet-capture for counters DNS Filter Type MX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ns_drop

Description Enable automatic packet-capture for counters DNS Filter Type NS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_others_drop

Description Enable automatic packet-capture for counters DNS Filter Type OTHERS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ptr_drop

Description Enable automatic packet-capture for counters DNS Filter Type PTR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_soa_drop

Description Enable automatic packet-capture for counters DNS Filter Type SOA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_srv_drop

Description Enable automatic packet-capture for counters DNS Filter Type SRV Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_txt_drop

Description Enable automatic packet-capture for counters DNS Filter Type TXT Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_rpz_action_drop

Description Enable automatic packet-capture for DNS RPZ Action Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for dns rrl drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

gslb_query_bad

Description Enable automatic packet-capture for gslb query bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_response_bad

Description Enable automatic packet-capture for gslb response bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

total_dns_filter_class_drop

Description Enable automatic packet-capture for counters Total DNS Filter Class Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_type_drop

Description Enable automatic packet-capture for counters Total DNS Filter Type Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_filter_drop

Description Enable automatic packet-capture for query filter drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_max_query_len_drop

Description Enable automatic packet-capture for query too long drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-service-group-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *fw-service-group-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *fw-service-group-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *fw-service-group-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-service-group-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-service-group-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server_selection_fail_drop

Description Enable automatic packet-capture for Service selection fail drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Service selection fail reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-service-group-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server_selection_fail_drop

Description Enable automatic packet-capture for Service selection fail drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Service selection fail reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-map-trans-domain-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *cgnv6-map-trans-domain-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *cgnv6-map-trans-domain-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *cgnv6-map-trans-domain-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-map-trans-domain-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-map-trans-domain-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-map-trans-domain-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-hbase-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

server-error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unavailable

Description Enable automatic packet-capture for Service Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-hbase-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server-error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unavailable

Description Enable automatic packet-capture for Service Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-aaa-policy-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-aaa-policy-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-aaa-policy-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-aaa-policy-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-aaa-policy-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-aaa-policy-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

error

Description Enable automatic packet-capture for Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-aaa-policy-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

error

Description Enable automatic packet-capture for Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-win-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-server-win-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-server-win-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-server-win-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-win-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-win-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

krb_pw_expiry

Description Enable automatic packet-capture for Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

krb_timeout_error

Description Enable automatic packet-capture for Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_prepare_req_error

Description Enable automatic packet-capture for NTLM Prepare Request Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_proto_nego_failure

Description Enable automatic packet-capture for NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_session_setup_failure

Description Enable automatic packet-capture for NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_timeout_error

Description Enable automatic packet-capture for NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-win-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

krb_pw_expiry

Description Enable automatic packet-capture for Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

krb_timeout_error

Description Enable automatic packet-capture for Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_prepare_req_error

Description Enable automatic packet-capture for NTLM Prepare Request Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_proto_nego_failure

Description Enable automatic packet-capture for NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_session_setup_failure

Description Enable automatic packet-capture for NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_timeout_error

Description Enable automatic packet-capture for NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-logon-http-ins-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-logon-http-ins-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-logon-http-ins-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-logon-http-ins-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-logon-http-ins-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-logon-http-ins-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

spn_krb_faiure

Description Enable automatic packet-capture for SPN Kerberos Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-logon-http-ins-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

spn_krb_faiure

Description Enable automatic packet-capture for SPN Kerberos Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-captcha-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-captcha-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-captcha-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-captcha-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-captcha-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-captcha-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attibute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-fail

Description Enable automatic packet-capture for Total JSON Response Parse Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-captcha-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attibute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-fail

Description Enable automatic packet-capture for Total JSON Response Parse Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-service-group-mem-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-service-group-mem-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-service-group-mem-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-service-group-mem-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-service-group-mem-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-service-group-mem-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-service-group-mem-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-tmpl-cache-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *slb-tmpl-cache-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *slb-tmpl-cache-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *slb-tmpl-cache-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-tmpl-cache-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-tmpl-cache-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

header_save_error

Description Enable automatic packet-capture for header_save_error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_req_header

Description Enable automatic packet-capture for nc_req_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_res_header

Description Enable automatic packet-capture for nc_res_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-tmpl-cache-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

header_save_error

Description Enable automatic packet-capture for header_save_error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_req_header

Description Enable automatic packet-capture for nc_req_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_res_header

Description Enable automatic packet-capture for nc_res_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tmpl-gtp-plcy-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *tmpl-gtp-plcy-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *tmpl-gtp-plcy-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *tmpl-gtp-plcy-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tmpl-gtp-plcy-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tmpl-gtp-plcy-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

drop-flt-apn-filtering

Description Enable automatic packet-capture for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Enable automatic packet-capture for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Enable automatic packet-capture for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Enable automatic packet-capture for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Enable automatic packet-capture for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv0-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv1-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv2-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Create Session Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Enable automatic packet-capture for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Enable automatic packet-capture for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Enable automatic packet-capture for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-ie-repeat-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP repeated IE count exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Enable automatic packet-capture for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv0-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-message-length-mismat

Description Enable automatic packet-capture for GTPv0-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv1-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-message-length-mismat

Description Enable automatic packet-capture for GTPv1-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv2-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-message-length-mismat

Description Enable automatic packet-capture for GTPv2-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Enable automatic packet-capture for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Enable automatic packet-capture for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Enable automatic packet-capture for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Enable automatic packet-capture for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-ie-in-grouped-ie

Description Enable automatic packet-capture for Validation Drop: Mandatory IE in Grouped IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Enable automatic packet-capture for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Enable automatic packet-capture for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Enable automatic packet-capture for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Enable automatic packet-capture for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Enable automatic packet-capture for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Enable automatic packet-capture for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Enable automatic packet-capture for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Enable automatic packet-capture for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v0-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v1-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v2-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Create Session Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Enable automatic packet-capture for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Enable automatic packet-capture for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v0-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv0-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v1-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v2-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Enable automatic packet-capture for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tmpl-gtp-plcy-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

drop-flt-apn-filtering

Description Enable automatic packet-capture for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Enable automatic packet-capture for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Enable automatic packet-capture for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Enable automatic packet-capture for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Enable automatic packet-capture for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv0-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv1-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv2-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Create Session Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Enable automatic packet-capture for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Enable automatic packet-capture for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Enable automatic packet-capture for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-ie-repeat-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP repeated IE count exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Enable automatic packet-capture for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv0-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-message-length-mismat

Description Enable automatic packet-capture for GTPv0-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv1-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-message-length-mismat

Description Enable automatic packet-capture for GTPv1-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv2-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-message-length-mismat

Description Enable automatic packet-capture for GTPv2-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Enable automatic packet-capture for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Enable automatic packet-capture for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Enable automatic packet-capture for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Enable automatic packet-capture for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-ie-in-grouped-ie

Description Enable automatic packet-capture for Validation Drop: Mandatory IE in Grouped IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Enable automatic packet-capture for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Enable automatic packet-capture for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Enable automatic packet-capture for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Enable automatic packet-capture for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Enable automatic packet-capture for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Enable automatic packet-capture for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Enable automatic packet-capture for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Enable automatic packet-capture for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v0-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v1-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v2-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Create Session Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Enable automatic packet-capture for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Enable automatic packet-capture for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v0-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv0-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v1-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v2-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Enable automatic packet-capture for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-service-group-mem-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *fw-service-group-mem-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *fw-service-group-mem-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *fw-service-group-mem-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-service-group-mem-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-service-group-mem-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw-service-group-mem-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-port-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *slb-port-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *slb-port-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *slb-port-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-port-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-port-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

es_resp_300

Description Enable automatic packet-capture for Response status 300

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-3xx

Description Enable automatic packet-capture for Response status 3xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-4xx

Description Enable automatic packet-capture for Response status 4xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-5xx

Description Enable automatic packet-capture for Response status 5xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-port-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_resp_300

Description Enable automatic packet-capture for Response status 300

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-3xx

Description Enable automatic packet-capture for Response status 3xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-4xx

Description Enable automatic packet-capture for Response status 4xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-5xx

Description Enable automatic packet-capture for Response status 5xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-saml-service-prov-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-saml-service-prov-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-saml-service-prov-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-saml-service-prov-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-saml-service-prov-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-saml-service-prov-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-saml-service-prov-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-vport-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *slb-vport-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *slb-vport-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *slb-vport-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-vport-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-vport-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

dnsrrl_total_dropped

Description Enable automatic packet-capture for DNS Response-Rate-Limiting Total Responses Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_total_failure_actions

Description Enable automatic packet-capture for Total failure actions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_mf_dns_pkts

Description Enable automatic packet-capture for Total MF DNS packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-vport-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

dnsrrl_total_dropped

Description Enable automatic packet-capture for DNS Response-Rate-Limiting Total Responses Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_total_failure_actions

Description Enable automatic packet-capture for Total failure actions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

total_mf_dns_pkts

Description Enable automatic packet-capture for Total MF DNS packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-saml-id-prov-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-saml-id-prov-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-saml-id-prov-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-saml-id-prov-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-saml-id-prov-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-saml-id-prov-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

acs-fail

Description Enable automatic packet-capture for ACS Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

md-fail

Description Enable automatic packet-capture for Metadata Update Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-saml-id-prov-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

acs-fail

Description Enable automatic packet-capture for ACS Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

md-fail

Description Enable automatic packet-capture for Metadata Update Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-form-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-relay-form-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-relay-form-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-relay-form-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-form-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-form-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

bad_req

Description Enable automatic packet-capture for Bad Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_cred

Description Enable automatic packet-capture for Invalid Credential

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_srv_rsp

Description Enable automatic packet-capture for Invalid Server Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not_fnd

Description Enable automatic packet-capture for Not Found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other_error

Description Enable automatic packet-capture for Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post_fail

Description Enable automatic packet-capture for POST Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-relay-form-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

bad_req

Description Enable automatic packet-capture for Bad Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_cred

Description Enable automatic packet-capture for Invalid Credential

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_srv_rsp

Description Enable automatic packet-capture for Invalid Server Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not_fnd

Description Enable automatic packet-capture for Not Found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other_error

Description Enable automatic packet-capture for Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post_fail

Description Enable automatic packet-capture for POST Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-set-rule-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *rule-set-rule-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *rule-set-rule-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *rule-set-rule-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-set-rule-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-set-rule-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

deny-packets

Description Enable automatic packet-capture for Denied packets counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-set-rule-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

deny-packets

Description Enable automatic packet-capture for Denied packets counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-encap-domain-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *cgnv6-encap-domain-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *cgnv6-encap-domain-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *cgnv6-encap-domain-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-encap-domain-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-encap-domain-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-encap-domain-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface-ethernet-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *interface-ethernet-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *interface-ethernet-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *interface-ethernet-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface-ethernet-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface-ethernet-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

collisions

Description Enable automatic packet-capture for Collisions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crc

Description Enable automatic packet-capture for CRC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

giants_output

Description Enable automatic packet-capture for Output Giants

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

input_errors

Description Enable automatic packet-capture for Input errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

output_errors

Description Enable automatic packet-capture for Output errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runts

Description Enable automatic packet-capture for Runts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface-ethernet-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

collisions

Description Enable automatic packet-capture for Collisions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crc

Description Enable automatic packet-capture for CRC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

giants_output

Description Enable automatic packet-capture for Output Giants

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

input_errors

Description Enable automatic packet-capture for Input errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

output_errors

Description Enable automatic packet-capture for Output errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runts

Description Enable automatic packet-capture for Runts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-set-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *rule-set-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *rule-set-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *rule-set-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-set-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-set-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

deny

Description Enable automatic packet-capture for Denied counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unmatched-drops

Description Enable automatic packet-capture for Unmatched drops counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-set-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

deny

Description Enable automatic packet-capture for Denied counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unmatched-drops

Description Enable automatic packet-capture for Unmatched drops counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-ocsp-inst-tmpl-list

Specification	
Type	*list*
Block object keys	

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-inc

Specification	
Type	*object*

fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-timeout

Description Enable automatic packet-capture for OCSP Stapling Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aam-auth-server-ocsp-inst-tmpl-list_trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-timeout

Description Enable automatic packet-capture for OCSP Stapling Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.41 visibility packet-capture object-templates aam-aaa-policy-tmpl

Configure template for aam.aaa-policy

aam-aaa-policy-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-aaa-policy-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl
Element Name	aam-aaa-policy-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}
Element Attributes	aam-aaa-policy-tmpl_attributes
Schema	`aam-aaa-policy-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl

aam-aaa-policy-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl

aam-aaa-policy-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}

aam-aaa-policy-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl

aam-aaa-policy-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}

aam-aaa-policy-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}

aam-aaa-policy-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl

aam-aaa-policy-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}

aam-aaa-policy-tmpl attributes

aam-aaa-policy-tmpl-list

aam-aaa-policy-tmpl-list is **JSON List** of *aam-aaa-policy-tmpl attributes*

aam-aaa-policy-tmpl-list : [

{ *aam-aaa-policy-tmpl attributes* },

{ *aam-aaa-policy-tmpl attributes* },

...

]

aam-aaa-policy-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-aaa-policy-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

error

Description Enable automatic packet-capture for Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

error

Description Enable automatic packet-capture for Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.42 visibility packet-capture object-templates aam-auth-captcha-inst-tmpl

Configure template for aam.authentication.captcha.instance

aam-auth-captcha-inst-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-captcha-inst-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl
Element Name	aam-auth-captcha-inst-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}
Element Attributes	aam-auth-captcha-inst-tmpl_attributes
Schema	`aam-auth-captcha-inst-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl

aam-auth-captcha-inst-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl

aam-auth-captcha-inst-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}

aam-auth-captcha-inst-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl

aam-auth-captcha-inst-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}

aam-auth-captcha-inst-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}

aam-auth-captcha-inst-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl

aam-auth-captcha-inst-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}

aam-auth-captcha-inst-tmpl attributes

aam-auth-captcha-inst-tmpl-list

aam-auth-captcha-inst-tmpl-list is **JSON List** of *aam-auth-captcha-inst-tmpl attributes*

aam-auth-captcha-inst-tmpl-list : [

{ *aam-auth-captcha-inst-tmpl attributes* },

{ *aam-auth-captcha-inst-tmpl attributes* },

...

]

aam-auth-captcha-inst-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-captcha-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attibute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-fail

Description Enable automatic packet-capture for Total JSON Response Parse Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

attr-fail

Description Enable automatic packet-capture for Total Attibute Check Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

json-fail

Description Enable automatic packet-capture for Total Failure JSON Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-fail

Description Enable automatic packet-capture for Total JSON Response Parse Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Total Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.43 visibility packet-capture object-templates aam-auth-logon-http-ins-tmpl

Configure template for aam.authentication.logon.http-authenticate.instance

aam-auth-logon-http-ins-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-logon-http-ins-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl
Element Name	aam-auth-logon-http-ins-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}
Element Attributes	aam-auth-logon-http-ins-tmpl_attributes
Schema	`aam-auth-logon-http-ins-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl

aam-auth-logon-http-ins-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl

aam-auth-logon-http-ins-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}

aam-auth-logon-http-ins-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl

aam-auth-logon-http-ins-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}

aam-auth-logon-http-ins-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}

aam-auth-logon-http-ins-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl

aam-auth-logon-http-ins-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}

aam-auth-logon-http-ins-tmpl attributes

aam-auth-logon-http-ins-tmpl-list

aam-auth-logon-http-ins-tmpl-list is **JSON List** of *aam-auth-logon-http-ins-tmpl attributes*

aam-auth-logon-http-ins-tmpl-list : [

{ *aam-auth-logon-http-ins-tmpl attributes* },

{ *aam-auth-logon-http-ins-tmpl attributes* },

...

]

aam-auth-logon-http-ins-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-logon-http-ins-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

spn_krb_faiure

Description Enable automatic packet-capture for SPN Kerberos Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

spn_krb_faiure

Description Enable automatic packet-capture for SPN Kerberos Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.44 visibility packet-capture object-templates aam-auth-relay-form-inst-tmpl

Configure template for aam.authentication.relay.form-based.instance

aam-auth-relay-form-inst-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-relay-form-inst-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl
Element Name	aam-auth-relay-form-inst-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}
Element Attributes	aam-auth-relay-form-inst-tmpl_attributes
Schema	`aam-auth-relay-form-inst-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl

aam-auth-relay-form-inst-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl

aam-auth-relay-form-inst-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}

aam-auth-relay-form-inst-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl

aam-auth-relay-form-inst-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}

aam-auth-relay-form-inst-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}

aam-auth-relay-form-inst-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl

aam-auth-relay-form-inst-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}

aam-auth-relay-form-inst-tmpl attributes

aam-auth-relay-form-inst-tmpl-list

aam-auth-relay-form-inst-tmpl-list is **JSON List** of *aam-auth-relay-form-inst-tmpl attributes*

aam-auth-relay-form-inst-tmpl-list : [

{ *aam-auth-relay-form-inst-tmpl attributes* },

{ *aam-auth-relay-form-inst-tmpl attributes* },

...

]

aam-auth-relay-form-inst-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-form-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

bad_req

Description Enable automatic packet-capture for Bad Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_cred

Description Enable automatic packet-capture for Invalid Credential

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_srv_rsp

Description Enable automatic packet-capture for Invalid Server Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not_fnd

Description Enable automatic packet-capture for Not Found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other_error

Description Enable automatic packet-capture for Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post_fail

Description Enable automatic packet-capture for POST Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

bad_req

Description Enable automatic packet-capture for Bad Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_cred

Description Enable automatic packet-capture for Invalid Credential

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid_srv_rsp

Description Enable automatic packet-capture for Invalid Server Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not_fnd

Description Enable automatic packet-capture for Not Found

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

other_error

Description Enable automatic packet-capture for Other Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post_fail

Description Enable automatic packet-capture for POST Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.45 visibility packet-capture object-templates aam-auth-relay-hbase-inst-tmpl

Configure template for aam.authentication.relay.http-basic.instance

aam-auth-relay-hbase-inst-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-relay-hbase-inst-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl
Element Name	aam-auth-relay-hbase-inst-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}
Element Attributes	aam-auth-relay-hbase-inst-tmpl_attributes
Schema	`aam-auth-relay-hbase-inst-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl

aam-auth-relay-hbase-inst-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl

aam-auth-relay-hbase-inst-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}

aam-auth-relay-hbase-inst-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl

aam-auth-relay-hbase-inst-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}

aam-auth-relay-hbase-inst-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}

aam-auth-relay-hbase-inst-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl

aam-auth-relay-hbase-inst-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}

aam-auth-relay-hbase-inst-tmpl attributes

aam-auth-relay-hbase-inst-tmpl-list

aam-auth-relay-hbase-inst-tmpl-list is **JSON List** of *aam-auth-relay-hbase-inst-tmpl attributes*

aam-auth-relay-hbase-inst-tmpl-list : [

{ *aam-auth-relay-hbase-inst-tmpl attributes* },

{ *aam-auth-relay-hbase-inst-tmpl attributes* },

...

]

aam-auth-relay-hbase-inst-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-hbase-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

server-error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unavailable

Description Enable automatic packet-capture for Service Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server-error

Description Enable automatic packet-capture for Internal Server Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unavailable

Description Enable automatic packet-capture for Service Unavailable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.46 visibility packet-capture object-templates aam-auth-relay-ntlm-tmpl

Configure template for aam.authentication.relay.ntlm

aam-auth-relay-ntlm-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-relay-ntlm-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl
Element Name	aam-auth-relay-ntlm-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}
Element Attributes	aam-auth-relay-ntlm-tmpl_attributes
Schema	`aam-auth-relay-ntlm-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl

aam-auth-relay-ntlm-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl

aam-auth-relay-ntlm-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}

aam-auth-relay-ntlm-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl

aam-auth-relay-ntlm-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}

aam-auth-relay-ntlm-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}

aam-auth-relay-ntlm-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl

aam-auth-relay-ntlm-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}

aam-auth-relay-ntlm-tmpl attributes

aam-auth-relay-ntlm-tmpl-list

aam-auth-relay-ntlm-tmpl-list is **JSON List** of *aam-auth-relay-ntlm-tmpl attributes*

aam-auth-relay-ntlm-tmpl-list : [

{ *aam-auth-relay-ntlm-tmpl attributes* },

{ *aam-auth-relay-ntlm-tmpl attributes* },

...

]

aam-auth-relay-ntlm-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-relay-ntlm-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

buffer-alloc-fail

Description Enable automatic packet-capture for Buffer Allocation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encoding-fail

Description Enable automatic packet-capture for Encoding Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-header-fail

Description Enable automatic packet-capture for Insert Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internal-error

Description Enable automatic packet-capture for Internal Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-header-fail

Description Enable automatic packet-capture for Parse Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

buffer-alloc-fail

Description Enable automatic packet-capture for Buffer Allocation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

encoding-fail

Description Enable automatic packet-capture for Encoding Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-header-fail

Description Enable automatic packet-capture for Insert Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internal-error

Description Enable automatic packet-capture for Internal Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parse-header-fail

Description Enable automatic packet-capture for Parse Header Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.47 visibility packet-capture object-templates aam-auth-saml-id-prov-tmpl

Configure template for aam.authentication.saml.identity-provider

aam-auth-saml-id-prov-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-saml-id-prov-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl
Element Name	aam-auth-saml-id-prov-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}
Element Attributes	aam-auth-saml-id-prov-tmpl_attributes
Schema	`aam-auth-saml-id-prov-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl

aam-auth-saml-id-prov-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl

aam-auth-saml-id-prov-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}

aam-auth-saml-id-prov-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl

aam-auth-saml-id-prov-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}

aam-auth-saml-id-prov-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}

aam-auth-saml-id-prov-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl

aam-auth-saml-id-prov-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}

aam-auth-saml-id-prov-tmpl attributes

aam-auth-saml-id-prov-tmpl-list

aam-auth-saml-id-prov-tmpl-list is **JSON List** of *aam-auth-saml-id-prov-tmpl attributes*

aam-auth-saml-id-prov-tmpl-list : [

{ *aam-auth-saml-id-prov-tmpl attributes* },

{ *aam-auth-saml-id-prov-tmpl attributes* },

...

]

aam-auth-saml-id-prov-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-id-prov-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

acs-fail

Description Enable automatic packet-capture for ACS Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

md-fail

Description Enable automatic packet-capture for Metadata Update Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

acs-fail

Description Enable automatic packet-capture for ACS Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

md-fail

Description Enable automatic packet-capture for Metadata Update Fail Count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.48 visibility packet-capture object-templates aam-auth-saml-service-prov-tmpl

Configure template for aam.authentication.saml.service-provider

aam-auth-saml-service-prov-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-saml-service-prov-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl
Element Name	aam-auth-saml-service-prov-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}
Element Attributes	aam-auth-saml-service-prov-tmpl_attributes
Schema	`aam-auth-saml-service-prov-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl

aam-auth-saml-service-prov-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl

aam-auth-saml-service-prov-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}

aam-auth-saml-service-prov-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl

aam-auth-saml-service-prov-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}

aam-auth-saml-service-prov-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}

aam-auth-saml-service-prov-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl

aam-auth-saml-service-prov-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}

aam-auth-saml-service-prov-tmpl attributes

aam-auth-saml-service-prov-tmpl-list

aam-auth-saml-service-prov-tmpl-list is **JSON List** of *aam-auth-saml-service-prov-tmpl attributes*

aam-auth-saml-service-prov-tmpl-list : [

{ *aam-auth-saml-service-prov-tmpl attributes* },

{ *aam-auth-saml-service-prov-tmpl attributes* },

...

]

aam-auth-saml-service-prov-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-saml-service-prov-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

acs-error

Description Enable automatic packet-capture for SAML Single-Sign-On Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.49 visibility packet-capture object-templates aam-auth-server-ldap-inst-tmpl

Configure template for aam.authentication.server.ldap.instance

aam-auth-server-ldap-inst-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-server-ldap-inst-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl
Element Name	aam-auth-server-ldap-inst-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}
Element Attributes	aam-auth-server-ldap-inst-tmpl_attributes
Schema	`aam-auth-server-ldap-inst-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl

aam-auth-server-ldap-inst-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl

aam-auth-server-ldap-inst-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}

aam-auth-server-ldap-inst-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl

aam-auth-server-ldap-inst-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}

aam-auth-server-ldap-inst-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}

aam-auth-server-ldap-inst-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl

aam-auth-server-ldap-inst-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}

aam-auth-server-ldap-inst-tmpl attributes

aam-auth-server-ldap-inst-tmpl-list

aam-auth-server-ldap-inst-tmpl-list is **JSON List** of *aam-auth-server-ldap-inst-tmpl attributes*

aam-auth-server-ldap-inst-tmpl-list : [

{ *aam-auth-server-ldap-inst-tmpl attributes* },

{ *aam-auth-server-ldap-inst-tmpl attributes* },

...

]

aam-auth-server-ldap-inst-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ldap-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pw_change_failure

Description Enable automatic packet-capture for Password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout-error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

admin-bind-failure

Description Enable automatic packet-capture for Admin Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authorize-failure

Description Enable automatic packet-capture for Authorization Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bind-failure

Description Enable automatic packet-capture for User Bind Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

pw_change_failure

Description Enable automatic packet-capture for Password change failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

search-failure

Description Enable automatic packet-capture for Search Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-session-failure

Description Enable automatic packet-capture for TLS/SSL Session Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout-error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.50 visibility packet-capture object-templates aam-auth-server-ocsp-inst-tmpl

Configure template for aam.authentication.server.ocsp.instance

aam-auth-server-ocsp-inst-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-server-ocsp-inst-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl
Element Name	aam-auth-server-ocsp-inst-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}
Element Attributes	aam-auth-server-ocsp-inst-tmpl_attributes
Schema	`aam-auth-server-ocsp-inst-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl

aam-auth-server-ocsp-inst-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl

aam-auth-server-ocsp-inst-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}

aam-auth-server-ocsp-inst-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl

aam-auth-server-ocsp-inst-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}

aam-auth-server-ocsp-inst-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}

aam-auth-server-ocsp-inst-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl

aam-auth-server-ocsp-inst-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}

aam-auth-server-ocsp-inst-tmpl attributes

aam-auth-server-ocsp-inst-tmpl-list

aam-auth-server-ocsp-inst-tmpl-list is **JSON List** of *aam-auth-server-ocsp-inst-tmpl attributes*

```
aam-auth-server-ocsp-inst-tmpl-list : [
        { aam-auth-server-ocsp-inst-tmpl attributes },
        { aam-auth-server-ocsp-inst-tmpl attributes },
        ...
    ]
```

aam-auth-server-ocsp-inst-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-ocsp-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-timeout

Description Enable automatic packet-capture for OCSP Stapling Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-fail

Description Enable automatic packet-capture for Handle OCSP response failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stapling-timeout

Description Enable automatic packet-capture for OCSP Stapling Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.51 visibility packet-capture object-templates aam-auth-server-rad-inst-tmpl

Configure template for aam.authentication.server.radius.instance

aam-auth-server-rad-inst-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-server-rad-inst-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl
Element Name	aam-auth-server-rad-inst-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}
Element Attributes	aam-auth-server-rad-inst-tmpl_attributes
Schema	`aam-auth-server-rad-inst-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl

aam-auth-server-rad-inst-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl

aam-auth-server-rad-inst-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}

aam-auth-server-rad-inst-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl

aam-auth-server-rad-inst-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}

aam-auth-server-rad-inst-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}

aam-auth-server-rad-inst-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl

aam-auth-server-rad-inst-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}

aam-auth-server-rad-inst-tmpl attributes

aam-auth-server-rad-inst-tmpl-list

aam-auth-server-rad-inst-tmpl-list is **JSON List** of *aam-auth-server-rad-inst-tmpl attributes*

aam-auth-server-rad-inst-tmpl-list : [

{ *aam-auth-server-rad-inst-tmpl attributes* },

{ *aam-auth-server-rad-inst-tmpl attributes* },

...

]

aam-auth-server-rad-inst-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-rad-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

timeout_error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

timeout_error

Description Enable automatic packet-capture for Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.52 visibility packet-capture object-templates aam-auth-server-win-inst-tmpl

Configure template for aam.authentication.server.windows.instance

aam-auth-server-win-inst-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-server-win-inst-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl
Element Name	aam-auth-server-win-inst-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}
Element Attributes	aam-auth-server-win-inst-tmpl_attributes
Schema	`aam-auth-server-win-inst-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl

aam-auth-server-win-inst-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl

aam-auth-server-win-inst-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}

aam-auth-server-win-inst-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl

aam-auth-server-win-inst-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}

aam-auth-server-win-inst-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}

aam-auth-server-win-inst-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl

aam-auth-server-win-inst-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}

aam-auth-server-win-inst-tmpl attributes

aam-auth-server-win-inst-tmpl-list

aam-auth-server-win-inst-tmpl-list is **JSON List** of *aam-auth-server-win-inst-tmpl attributes*

aam-auth-server-win-inst-tmpl-list : [

{ *aam-auth-server-win-inst-tmpl attributes* },

{ *aam-auth-server-win-inst-tmpl attributes* },

...

]

aam-auth-server-win-inst-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-server-win-inst-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

krb_pw_expiry

Description Enable automatic packet-capture for Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

krb_timeout_error

Description Enable automatic packet-capture for Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_prepare_req_error

Description Enable automatic packet-capture for NTLM Prepare Request Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_proto_nego_failure

Description Enable automatic packet-capture for NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_session_setup_failure

Description Enable automatic packet-capture for NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_timeout_error

Description Enable automatic packet-capture for NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

krb_pw_expiry

Description Enable automatic packet-capture for Kerberos password expiry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

krb_timeout_error

Description Enable automatic packet-capture for Kerberos Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_prepare_req_error

Description Enable automatic packet-capture for NTLM Prepare Request Error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_proto_nego_failure

Description Enable automatic packet-capture for NTLM Protocol Negotiation Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_session_setup_failure

Description Enable automatic packet-capture for NTLM Session Setup Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntlm_timeout_error

Description Enable automatic packet-capture for NTLM Timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.53 visibility packet-capture object-templates aam-auth-service-group-mem-tmpl

Configure template for aam.authentication.service-group.member

aam-auth-service-group-mem-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-service-group-mem-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl
Element Name	aam-auth-service-group-mem-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}
Element Attributes	aam-auth-service-group-mem-tmpl_attributes
Schema	`aam-auth-service-group-mem-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl

aam-auth-service-group-mem-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl

aam-auth-service-group-mem-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}

aam-auth-service-group-mem-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl

aam-auth-service-group-mem-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}

aam-auth-service-group-mem-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}

aam-auth-service-group-mem-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl

aam-auth-service-group-mem-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}

aam-auth-service-group-mem-tmpl attributes

aam-auth-service-group-mem-tmpl-list

aam-auth-service-group-mem-tmpl-list is **JSON List** of *aam-auth-service-group-mem-tmpl attributes*

aam-auth-service-group-mem-tmpl-list : [

{ *aam-auth-service-group-mem-tmpl attributes* },

{ *aam-auth-service-group-mem-tmpl attributes* },

...

]

aam-auth-service-group-mem-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-mem-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.54 visibility packet-capture object-templates aam-auth-service-group-tmpl

Configure template for aam.authentication.service-group

aam-auth-service-group-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-auth-service-group-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl
Element Name	aam-auth-service-group-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}
Element Attributes	aam-auth-service-group-tmpl_attributes
Schema	`aam-auth-service-group-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl

aam-auth-service-group-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl

aam-auth-service-group-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}

aam-auth-service-group-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl

aam-auth-service-group-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}

aam-auth-service-group-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}

aam-auth-service-group-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl

aam-auth-service-group-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}

aam-auth-service-group-tmpl attributes

aam-auth-service-group-tmpl-list

aam-auth-service-group-tmpl-list is **JSON List** of *aam-auth-service-group-tmpl attributes*

aam-auth-service-group-tmpl-list : [

{ *aam-auth-service-group-tmpl attributes* },

{ *aam-auth-service-group-tmpl attributes* },

...

]

aam-auth-service-group-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-auth-service-group-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

server_selection_fail_drop

Description Enable automatic packet-capture for Drops due to Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Resets sent out for Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server_selection_fail_drop

Description Enable automatic packet-capture for Drops due to Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Resets sent out for Service selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.55 visibility packet-capture object-templates aam-jwt-authorization-tmpl

Configure template for aam.jwt-authorization

aam-jwt-authorization-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*aam-jwt-authorization-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl
Element Name	aam-jwt-authorization-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}
Element Attributes	aam-jwt-authorization-tmpl_attributes
Schema	`aam-jwt-authorization-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl

aam-jwt-authorization-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl

aam-jwt-authorization-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}

aam-jwt-authorization-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl

aam-jwt-authorization-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}

aam-jwt-authorization-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}

aam-jwt-authorization-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl

aam-jwt-authorization-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}

aam-jwt-authorization-tmpl attributes

aam-jwt-authorization-tmpl-list

aam-jwt-authorization-tmpl-list is **JSON List** of *aam-jwt-authorization-tmpl attributes*

```
aam-jwt-authorization-tmpl-list : [
        { aam-jwt-authorization-tmpl attributes },
        { aam-jwt-authorization-tmpl attributes },
        ...
    ]
```

aam-jwt-authorization-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/aam-jwt-authorization-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

jwt-authorize-failure

Description Enable automatic packet-capture for JWT Authorize Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-claim

Description Enable automatic packet-capture for JWT Missing Claim

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-token

Description Enable automatic packet-capture for JWT Missing Token

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-signature-failure

Description Enable automatic packet-capture for JWT Signature Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-token-expired

Description Enable automatic packet-capture for JWT Token Expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

jwt-authorize-failure

Description Enable automatic packet-capture for JWT Authorize Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-claim

Description Enable automatic packet-capture for JWT Missing Claim

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-missing-token

Description Enable automatic packet-capture for JWT Missing Token

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-signature-failure

Description Enable automatic packet-capture for JWT Signature Failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

jwt-token-expired

Description Enable automatic packet-capture for JWT Token Expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.56 visibility packet-capture object-templates cgnv6-encap-domain-tmpl

Configure template for cgnv6.map.encapsulation.domain

cgnv6-encap-domain-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*cgnv6-encap-domain-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl
Element Name	cgnv6-encap-domain-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}
Element Attributes	cgnv6-encap-domain-tmpl_attributes
Schema	`cgnv6-encap-domain-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl

cgnv6-encap-domain-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl

cgnv6-encap-domain-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}

cgnv6-encap-domain-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl

cgnv6-encap-domain-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}

cgnv6-encap-domain-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}

cgnv6-encap-domain-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl

cgnv6-encap-domain-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}

cgnv6-encap-domain-tmpl attributes

cgnv6-encap-domain-tmpl-list

cgnv6-encap-domain-tmpl-list is **JSON List** of *cgnv6-encap-domain-tmpl attributes*

cgnv6-encap-domain-tmpl-list : [

{ *cgnv6-encap-domain-tmpl attributes* },

{ *cgnv6-encap-domain-tmpl attributes* },

...

]

cgnv6-encap-domain-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-encap-domain-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.57 visibility packet-capture object-templates cgnv6-map-trans-domain-tmpl

Configure template for cgnv6.map.translation.domain

cgnv6-map-trans-domain-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*cgnv6-map-trans-domain-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl
Element Name	cgnv6-map-trans-domain-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}
Element Attributes	cgnv6-map-trans-domain-tmpl_attributes
Schema	`cgnv6-map-trans-domain-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl

cgnv6-map-trans-domain-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl

cgnv6-map-trans-domain-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}

cgnv6-map-trans-domain-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl

cgnv6-map-trans-domain-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}

cgnv6-map-trans-domain-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}

cgnv6-map-trans-domain-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl

cgnv6-map-trans-domain-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}

cgnv6-map-trans-domain-tmpl attributes

cgnv6-map-trans-domain-tmpl-list

cgnv6-map-trans-domain-tmpl-list is **JSON List** of *cgnv6-map-trans-domain-tmpl attributes*

cgnv6-map-trans-domain-tmpl-list : [

{ *cgnv6-map-trans-domain-tmpl attributes* },

{ *cgnv6-map-trans-domain-tmpl attributes* },

...

]

cgnv6-map-trans-domain-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/cgnv6-map-trans-domain-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

inbound_addr_port_validation_failed

Description Enable automatic packet-capture for Inbound IPv4 Destination Address Port Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_dest_unreachable

Description Enable automatic packet-capture for Inbound IPv6 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound_rev_lookup_failed

Description Enable automatic packet-capture for Inbound IPv4 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface_not_configured

Description Enable automatic packet-capture for Interfaces not Configured Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_addr_validation_failed

Description Enable automatic packet-capture for Outbound IPv6 Source Address Validation Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_dest_unreachable

Description Enable automatic packet-capture for Outbound IPv4 Destination Address Unreachable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound_rev_lookup_failed

Description Enable automatic packet-capture for Outbound IPv6 Reverse Route Lookup Failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.58 visibility packet-capture object-templates dns_vport-tmpl

Configure template for counter.dns_vport

dns_vport-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*dns_vport-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl
Element Name	dns_vport-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}
Element Attributes	dns_vport-tmpl_attributes
Schema	`dns_vport-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl

dns_vport-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl

dns_vport-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}

dns_vport-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl

dns_vport-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}

dns_vport-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}

dns_vport-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl

dns_vport-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}

dns_vport-tmpl attributes

dns_vport-tmpl-list

dns_vport-tmpl-list is **JSON List** of *dns_vport-tmpl attributes*

dns_vport-tmpl-list : [

{ *dns_vport-tmpl attributes* },

{ *dns_vport-tmpl attributes* },

...

]

dns_vport-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/dns_vport-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

dns_filter_class_any_drop

Description Enable automatic packet-capture for counters DNS Filter Class ANY Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_chaos_drop

Description Enable automatic packet-capture for counters DNS Filter Class CHAOS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_hesiod_drop

Description Enable automatic packet-capture for counters DNS Filter Class HESIOD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_internet_drop

Description Enable automatic packet-capture for counters DNS Filter Class INTERNET Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_none_drop

Description Enable automatic packet-capture for counters DNS Filter Class NONE Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_others_drop

Description Enable automatic packet-capture for counters DNS Filter Class OTHER Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_a_drop

Description Enable automatic packet-capture for counters DNS Filter Type A Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_aaaa_drop

Description Enable automatic packet-capture for counters DNS Filter Type AAAA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_any_drop

Description Enable automatic packet-capture for counters DNS Filter Type Any Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_cname_drop

Description Enable automatic packet-capture for counters DNS Filter Type CNAME Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_mx_drop

Description Enable automatic packet-capture for counters DNS Filter Type MX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ns_drop

Description Enable automatic packet-capture for counters DNS Filter Type NS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_others_drop

Description Enable automatic packet-capture for counters DNS Filter Type OTHERS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ptr_drop

Description Enable automatic packet-capture for counters DNS Filter Type PTR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_soa_drop

Description Enable automatic packet-capture for counters DNS Filter Type SOA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_srv_drop

Description Enable automatic packet-capture for counters DNS Filter Type SRV Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_txt_drop

Description Enable automatic packet-capture for counters DNS Filter Type TXT Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for dns rrl drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_query_bad

Description Enable automatic packet-capture for gslb query bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_response_bad

Description Enable automatic packet-capture for gslb response bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_class_drop

Description Enable automatic packet-capture for counters Total DNS Filter Class Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_type_drop

Description Enable automatic packet-capture for counters Total DNS Filter Type Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_filter_drop

Description Enable automatic packet-capture for query filter drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_max_query_len_drop

Description Enable automatic packet-capture for query too long drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

dns_filter_class_any_drop

Description Enable automatic packet-capture for counters DNS Filter Class ANY Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_chaos_drop

Description Enable automatic packet-capture for counters DNS Filter Class CHAOS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_hesiod_drop

Description Enable automatic packet-capture for counters DNS Filter Class HESIOD Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_internet_drop

Description Enable automatic packet-capture for counters DNS Filter Class INTERNET Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_none_drop

Description Enable automatic packet-capture for counters DNS Filter Class NONE Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_class_others_drop

Description Enable automatic packet-capture for counters DNS Filter Class OTHER Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_a_drop

Description Enable automatic packet-capture for counters DNS Filter Type A Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_aaaa_drop

Description Enable automatic packet-capture for counters DNS Filter Type AAAA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_any_drop

Description Enable automatic packet-capture for counters DNS Filter Type Any Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_cname_drop

Description Enable automatic packet-capture for counters DNS Filter Type CNAME Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_mx_drop

Description Enable automatic packet-capture for counters DNS Filter Type MX Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ns_drop

Description Enable automatic packet-capture for counters DNS Filter Type NS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_others_drop

Description Enable automatic packet-capture for counters DNS Filter Type OTHERS Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_ptr_drop

Description Enable automatic packet-capture for counters DNS Filter Type PTR Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_soa_drop

Description Enable automatic packet-capture for counters DNS Filter Type SOA Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_srv_drop

Description Enable automatic packet-capture for counters DNS Filter Type SRV Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns_filter_type_txt_drop

Description Enable automatic packet-capture for counters DNS Filter Type TXT Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for dns rrl drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

gslb_query_bad

Description Enable automatic packet-capture for gslb query bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb_response_bad

Description Enable automatic packet-capture for gslb response bad

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

total_dns_filter_class_drop

Description Enable automatic packet-capture for counters Total DNS Filter Class Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_dns_filter_type_drop

Description Enable automatic packet-capture for counters Total DNS Filter Type Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_filter_drop

Description Enable automatic packet-capture for query filter drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_max_query_len_drop

Description Enable automatic packet-capture for query too long drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.59 visibility packet-capture object-templates fw-server-port-tmpl

Configure template for fw.server.port

fw-server-port-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*fw-server-port-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl
Element Name	fw-server-port-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}
Element Attributes	fw-server-port-tmpl_attributes
Schema	`fw-server-port-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl

fw-server-port-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl

fw-server-port-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}

fw-server-port-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl

fw-server-port-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}

fw-server-port-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}

fw-server-port-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl

fw-server-port-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}

fw-server-port-tmpl attributes

fw-server-port-tmpl-list

fw-server-port-tmpl-list is **JSON List** of *fw-server-port-tmpl attributes*

fw-server-port-tmpl-list : [

{ *fw-server-port-tmpl attributes* },

{ *fw-server-port-tmpl attributes* },

...

]

fw-server-port-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_invalid_http

Description Enable automatic packet-capture for Total non-http response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_invalid_http

Description Enable automatic packet-capture for Total non-http response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.60 visibility packet-capture object-templates fw-service-group-mem-tmpl

Configure template for fw.service-group.member

fw-service-group-mem-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*fw-service-group-mem-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl
Element Name	fw-service-group-mem-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}
Element Attributes	fw-service-group-mem-tmpl_attributes
Schema	`fw-service-group-mem-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl

fw-service-group-mem-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl

fw-service-group-mem-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}

fw-service-group-mem-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl

fw-service-group-mem-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}

fw-service-group-mem-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}

fw-service-group-mem-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl

fw-service-group-mem-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}

fw-service-group-mem-tmpl attributes

fw-service-group-mem-tmpl-list

fw-service-group-mem-tmpl-list is **JSON List** of *fw-service-group-mem-tmpl attributes*

fw-service-group-mem-tmpl-list : [

{ *fw-service-group-mem-tmpl attributes* },

{ *fw-service-group-mem-tmpl attributes* },

...

]

fw-service-group-mem-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.61 visibility packet-capture object-templates fw-service-group-tmpl

Configure template for fw.service-group

fw-service-group-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*fw-service-group-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl
Element Name	fw-service-group-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}
Element Attributes	fw-service-group-tmpl_attributes
Schema	`fw-service-group-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl

fw-service-group-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl

fw-service-group-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}

fw-service-group-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl

fw-service-group-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}

fw-service-group-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}

fw-service-group-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl

fw-service-group-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}

fw-service-group-tmpl attributes

fw-service-group-tmpl-list

fw-service-group-tmpl-list is **JSON List** of *fw-service-group-tmpl attributes*

fw-service-group-tmpl-list : [

{ *fw-service-group-tmpl attributes* },

{ *fw-service-group-tmpl attributes* },

...

]

fw-service-group-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

server_selection_fail_drop

Description Enable automatic packet-capture for Service selection fail drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Service selection fail reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

server_selection_fail_drop

Description Enable automatic packet-capture for Service selection fail drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server_selection_fail_reset

Description Enable automatic packet-capture for Service selection fail reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.62 visibility packet-capture object-templates interface-ethernet-tmpl

Configure template for interface.ethernet

interface-ethernet-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*interface-ethernet-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl
Element Name	interface-ethernet-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}
Element Attributes	interface-ethernet-tmpl_attributes
Schema	`interface-ethernet-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl

interface-ethernet-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl

interface-ethernet-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}

interface-ethernet-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl

interface-ethernet-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}

interface-ethernet-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}

interface-ethernet-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl

interface-ethernet-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}

interface-ethernet-tmpl attributes

interface-ethernet-tmpl-list

interface-ethernet-tmpl-list is **JSON List** of *interface-ethernet-tmpl attributes*

interface-ethernet-tmpl-list : [

{ *interface-ethernet-tmpl attributes* },

{ *interface-ethernet-tmpl attributes* },

...

]

interface-ethernet-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

collisions

Description Enable automatic packet-capture for Collisions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crc

Description Enable automatic packet-capture for CRC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

giants_output

Description Enable automatic packet-capture for Output Giants

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

input_errors

Description Enable automatic packet-capture for Input errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

output_errors

Description Enable automatic packet-capture for Output errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runts

Description Enable automatic packet-capture for Runts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

collisions

Description Enable automatic packet-capture for Collisions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crc

Description Enable automatic packet-capture for CRC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

giants_output

Description Enable automatic packet-capture for Output Giants

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

input_errors

Description Enable automatic packet-capture for Input errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

output_errors

Description Enable automatic packet-capture for Output errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

runts

Description Enable automatic packet-capture for Runts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.63 visibility packet-capture object-templates rule-set-rule-tmpl

Configure template for rule-set.rule

rule-set-rule-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*rule-set-rule-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl
Element Name	rule-set-rule-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}
Element Attributes	rule-set-rule-tmpl_attributes
Schema	`rule-set-rule-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl

rule-set-rule-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl

rule-set-rule-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}

rule-set-rule-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl

rule-set-rule-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}

rule-set-rule-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}

rule-set-rule-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl

rule-set-rule-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}

rule-set-rule-tmpl attributes

rule-set-rule-tmpl-list

rule-set-rule-tmpl-list is **JSON List** of *rule-set-rule-tmpl attributes*

rule-set-rule-tmpl-list : [

{ *rule-set-rule-tmpl attributes* },

{ *rule-set-rule-tmpl attributes* },

...

]

rule-set-rule-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

deny-packets

Description Enable automatic packet-capture for Denied packets counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

deny-packets

Description Enable automatic packet-capture for Denied packets counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.64 visibility packet-capture object-templates rule-set-tmpl

Configure template for rule-set

rule-set-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*rule-set-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl
Element Name	rule-set-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}
Element Attributes	rule-set-tmpl_attributes
Schema	`rule-set-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl

rule-set-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl

rule-set-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}

rule-set-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl

rule-set-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}

rule-set-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}

rule-set-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl

rule-set-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}

rule-set-tmpl attributes

rule-set-tmpl-list

rule-set-tmpl-list is **JSON List** of *rule-set-tmpl attributes*

rule-set-tmpl-list : [

{ *rule-set-tmpl attributes* },

{ *rule-set-tmpl attributes* },

...

]

rule-set-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

deny

Description Enable automatic packet-capture for Denied counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unmatched-drops

Description Enable automatic packet-capture for Unmatched drops counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

deny

Description Enable automatic packet-capture for Denied counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

unmatched-drops

Description Enable automatic packet-capture for Unmatched drops counter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.65 visibility packet-capture object-templates slb-port-tmpl

Configure template for slb.server.port

slb-port-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*slb-port-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl
Element Name	slb-port-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}
Element Attributes	slb-port-tmpl_attributes
Schema	`slb-port-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl

slb-port-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl

slb-port-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}

slb-port-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl

slb-port-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}

slb-port-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}

slb-port-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl

slb-port-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}

slb-port-tmpl attributes

slb-port-tmpl-list

slb-port-tmpl-list is **JSON List** of *slb-port-tmpl attributes*

slb-port-tmpl-list : [

{ *slb-port-tmpl attributes* },

{ *slb-port-tmpl attributes* },

...

]

slb-port-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

es_resp_300

Description Enable automatic packet-capture for Response status 300

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-3xx

Description Enable automatic packet-capture for Response status 3xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-4xx

Description Enable automatic packet-capture for Response status 4xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-5xx

Description Enable automatic packet-capture for Response status 5xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_resp_300

Description Enable automatic packet-capture for Response status 300

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_400

Description Enable automatic packet-capture for Response status 400

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_resp_500

Description Enable automatic packet-capture for Response status 500

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-3xx

Description Enable automatic packet-capture for Response status 3xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-4xx

Description Enable automatic packet-capture for Response status 4xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resp-5xx

Description Enable automatic packet-capture for Response status 5xx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.66 visibility packet-capture object-templates slb-tmpl-cache-tmpl

Configure template for slb.template.cache

slb-tmpl-cache-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*slb-tmpl-cache-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl
Element Name	slb-tmpl-cache-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}
Element Attributes	slb-tmpl-cache-tmpl_attributes
Schema	`slb-tmpl-cache-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl

slb-tmpl-cache-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl

slb-tmpl-cache-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}

slb-tmpl-cache-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl

slb-tmpl-cache-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}

slb-tmpl-cache-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}

slb-tmpl-cache-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl

slb-tmpl-cache-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}

slb-tmpl-cache-tmpl attributes

slb-tmpl-cache-tmpl-list

slb-tmpl-cache-tmpl-list is **JSON List** of *slb-tmpl-cache-tmpl attributes*

slb-tmpl-cache-tmpl-list : [

{ *slb-tmpl-cache-tmpl attributes* },

{ *slb-tmpl-cache-tmpl attributes* },

...

]

slb-tmpl-cache-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-tmpl-cache-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

header_save_error

Description Enable automatic packet-capture for header_save_error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_req_header

Description Enable automatic packet-capture for nc_req_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_res_header

Description Enable automatic packet-capture for nc_res_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

header_save_error

Description Enable automatic packet-capture for header_save_error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_req_header

Description Enable automatic packet-capture for nc_req_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nc_res_header

Description Enable automatic packet-capture for nc_res_header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.67 visibility packet-capture object-templates slb-vport-tmpl

Configure template for slb.virtual-server.port

slb-vport-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*slb-vport-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl
Element Name	slb-vport-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}
Element Attributes	slb-vport-tmpl_attributes
Schema	`slb-vport-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl

slb-vport-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl

slb-vport-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}

slb-vport-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl

slb-vport-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}

slb-vport-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}

slb-vport-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl

slb-vport-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}

slb-vport-tmpl attributes

slb-vport-tmpl-list

slb-vport-tmpl-list is **JSON List** of *slb-vport-tmpl attributes*

slb-vport-tmpl-list : [

{ *slb-vport-tmpl attributes* },

{ *slb-vport-tmpl attributes* },

...

]

slb-vport-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for DNS Response-Rate-Limiting Total Responses Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

es_total_failure_actions

Description Enable automatic packet-capture for Total failure actions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total_mf_dns_pkts

Description Enable automatic packet-capture for Total MF DNS packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

curr_conn_overflow

Description Enable automatic packet-capture for Current connection counter overflow count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnsrrl_total_dropped

Description Enable automatic packet-capture for DNS Response-Rate-Limiting Total Responses Dropped

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

es_total_failure_actions

Description Enable automatic packet-capture for Total failure actions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

total_mf_dns_pkts

Description Enable automatic packet-capture for Total MF DNS packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.68 visibility packet-capture object-templates tmpl-gtp-plcy-tmpl

Configure template for template.gtp-policy

tmpl-gtp-plcy-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*tmpl-gtp-plcy-tmpl-list*
Collection URI	/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl
Element Name	tmpl-gtp-plcy-tmpl
Element URI	/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}
Element Attributes	tmpl-gtp-plcy-tmpl_attributes
Schema	`tmpl-gtp-plcy-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl

tmpl-gtp-plcy-tmpl attributes

Create List

POST

/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl

tmpl-gtp-plcy-tmpl attributes

Get Object

GET

/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}

tmpl-gtp-plcy-tmpl attributes

Get List

GET

/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl

tmpl-gtp-plcy-tmpl-list

Modify Object

POST

/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}

tmpl-gtp-plcy-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}

tmpl-gtp-plcy-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl

tmpl-gtp-plcy-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}

tmpl-gtp-plcy-tmpl attributes

tmpl-gtp-plcy-tmpl-list

tmpl-gtp-plcy-tmpl-list is **JSON List** of *tmpl-gtp-plcy-tmpl attributes*

```
tmpl-gtp-plcy-tmpl-list : [
        { tmpl-gtp-plcy-tmpl attributes },
        { tmpl-gtp-plcy-tmpl attributes },
        ...
    ]
```

tmpl-gtp-plcy-tmpl attributes

capture-config

Description Specify name of the capture-config to use with this template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/packet-capture/capture-config*

name

Description Packet Capture Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

trigger-stats-inc

Description: trigger-stats-inc is a **JSON Block**. Please see below for *trigger-stats-inc*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-inc*

trigger-stats-rate

Description: trigger-stats-rate is a **JSON Block**. Please see below for *trigger-stats-rate*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-rate*

trigger-stats-severity

Description: trigger-stats-severity is a **JSON Block**. Please see below for *trigger-stats-severity*

Type: Object

Refernce Object: */axapi/v3/visibility/packet-capture/object-templates/tmpl-gtp-plcy-tmpl/{name}/trigger-stats-severity*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-severity

Specification	
Type	*object*

drop-counter

Description Enable packet capture on all drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-alert

Description Enable packet capture on all alert drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-critical

Description Enable packet capture on all critical drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-out-of-res

Description Enable packet capture on all out of resource drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-policy

Description Enable packet capture on all policy drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-counter-warning

Description Enable packet capture on all warning drop counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter

Description Enable packet capture on all error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-alert

Description Enable packet capture on all alert error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-critical

Description Enable packet capture on all critical error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-out-of-res

Description Enable packet capture on all out of resource error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error-counter-warning

Description Enable packet capture on all warning error counters (Default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-inc

Specification	
Type	*object*

drop-flt-apn-filtering

Description Enable automatic packet-capture for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Enable automatic packet-capture for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Enable automatic packet-capture for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Enable automatic packet-capture for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Enable automatic packet-capture for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv0-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv1-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv2-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Create Session Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Enable automatic packet-capture for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Enable automatic packet-capture for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Enable automatic packet-capture for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-ie-repeat-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP repeated IE count exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Enable automatic packet-capture for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv0-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-message-length-mismat

Description Enable automatic packet-capture for GTPv0-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv1-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-message-length-mismat

Description Enable automatic packet-capture for GTPv1-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv2-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-message-length-mismat

Description Enable automatic packet-capture for GTPv2-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Enable automatic packet-capture for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Enable automatic packet-capture for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Enable automatic packet-capture for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Enable automatic packet-capture for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-ie-in-grouped-ie

Description Enable automatic packet-capture for Validation Drop: Mandatory IE in Grouped IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Enable automatic packet-capture for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Enable automatic packet-capture for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Enable automatic packet-capture for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Enable automatic packet-capture for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Enable automatic packet-capture for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Enable automatic packet-capture for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Enable automatic packet-capture for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Enable automatic packet-capture for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v0-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v1-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v2-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Create Session Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Enable automatic packet-capture for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Enable automatic packet-capture for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v0-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv0-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v1-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v2-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Enable automatic packet-capture for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trigger-stats-rate

Specification	
Type	*object*

drop-flt-apn-filtering

Description Enable automatic packet-capture for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Enable automatic packet-capture for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Enable automatic packet-capture for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Enable automatic packet-capture for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Enable automatic packet-capture for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Enable automatic packet-capture for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv0-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv1-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Enable automatic packet-capture for Rate-limit Drop: Maximum GTPv2-C Message rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Create Session Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Enable automatic packet-capture for Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Enable automatic packet-capture for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Enable automatic packet-capture for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Enable automatic packet-capture for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-ie-repeat-count-exceed

Description Enable automatic packet-capture for Validation Drop: GTP repeated IE count exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Enable automatic packet-capture for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Enable automatic packet-capture for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv0-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v0-c-message-length-mismat

Description Enable automatic packet-capture for GTPv0-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv1-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v1-c-message-length-mismat

Description Enable automatic packet-capture for GTPv1-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Enable automatic packet-capture for GTPv2-C IE Length Exceeds Message Length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-c-message-length-mismat

Description Enable automatic packet-capture for GTPv2-C Message Length Mismatch Across Layers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Enable automatic packet-capture for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Enable automatic packet-capture for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-subscriber-attr-miss

Description Enable automatic packet-capture for Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Enable automatic packet-capture for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Enable automatic packet-capture for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Enable automatic packet-capture for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-ie-in-grouped-ie

Description Enable automatic packet-capture for Validation Drop: Mandatory IE in Grouped IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Enable automatic packet-capture for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Enable automatic packet-capture for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Enable automatic packet-capture for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Enable automatic packet-capture for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Enable automatic packet-capture for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Enable automatic packet-capture for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Enable automatic packet-capture for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Enable automatic packet-capture for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v0-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v1-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-gtp-v2-c-message-with-t

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Create Session Request with TEID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Enable automatic packet-capture for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Enable automatic packet-capture for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v0-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv0-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v1-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv1-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-v2-reserved-message-drop

Description Enable automatic packet-capture for Validation Drop: GTPv2-C Reserved Message Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Enable automatic packet-capture for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

duration

Description Time in seconds to look for the anomaly, default is 60

Type: number

Range: 1-250

Default: 60

threshold-exceeded-by

Description Set the threshold to the number of times greater than the previous duration to start the capture, default is 5

Type: number

Range: 0-100

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.69 visibility ping-sweep-detection

Configure ping sweep detection

ping-sweep-detection Specification

Type	*Configuration Resource*
Element Name	ping-sweep-detection
Element URI	/axapi/v3/visibility/ping-sweep-detection
Element Attributes	ping-sweep-detection_attributes
Operational Data URI	/axapi/v3/visibility/ping-sweep-detection/oper
Schema	`ping-sweep-detection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/ping-sweep-detection

ping-sweep-detection attributes

Get Object

GET

/axapi/v3/visibility/ping-sweep-detection

ping-sweep-detection attributes

Modify Object

POST

/axapi/v3/visibility/ping-sweep-detection

ping-sweep-detection attributes

Replace Object

PUT

/axapi/v3/visibility/ping-sweep-detection

ping-sweep-detection attributes

Delete Object

DELETE

/axapi/v3/visibility/ping-sweep-detection

ping-sweep-detection attributes

ping-sweep-detection attributes

events

Description Number of scanned ip events (default 10)

Type: number

Range: 10-300

Default: 10

interval

Description Time interval for ip sweep detection (default 60)

Type: number

Range: 1-300

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-list

Description Class list of ipv4 addresses to be whitelisted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

v6-list

Description Class list of ipv6 addresses to be whitelisted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

operational data

	Counter	Size	Description
	src-ip-list		src-ip-list

2.115.70 visibility port-scan-detection

Configure port scan detection

port-scan-detection Specification

Type	*Configuration Resource*
Element Name	port-scan-detection
Element URI	/axapi/v3/visibility/port-scan-detection
Element Attributes	port-scan-detection_attributes
Operational Data URI	/axapi/v3/visibility/port-scan-detection/oper
Schema	`port-scan-detection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/port-scan-detection

port-scan-detection attributes

Get Object

GET

/axapi/v3/visibility/port-scan-detection

port-scan-detection attributes

Modify Object

POST

/axapi/v3/visibility/port-scan-detection

port-scan-detection attributes

Replace Object

PUT

/axapi/v3/visibility/port-scan-detection

port-scan-detection attributes

Delete Object

DELETE

/axapi/v3/visibility/port-scan-detection

port-scan-detection attributes

port-scan-detection attributes

events

Description Number of scanned port events (default 10)

Type: number

Range: 10-300

Default: 10

interval

Description Time interval for port scan detection (default 60)

Type: number

Range: 1-300

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-list

Description Class list of ipv4 addresses to be whitelisted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

v6-list

Description Class list of ipv6 addresses to be whitelisted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/class-list*

operational data

	Counter	Size	Description
	src-ip-list		src-ip-list

2.115.71 visibility reporting

Configure reporting framework

reporting Specification

Type	*Configuration Resource*
Element Name	reporting
Element URI	/axapi/v3/visibility/reporting
Element Attributes	reporting_attributes
Statistics Data URI	/axapi/v3/visibility/reporting/stats
Schema	`reporting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/reporting

reporting attributes

Get Object

GET

/axapi/v3/visibility/reporting

reporting attributes

Modify Object

POST

/axapi/v3/visibility/reporting

reporting attributes

Replace Object

PUT

/axapi/v3/visibility/reporting

reporting attributes

Delete Object

DELETE

/axapi/v3/visibility/reporting

reporting attributes

reporting attributes

sampling-enable

Type: List

telemetry-export-interval

Description: telemetry-export-interval is a **JSON Block**. Please see below for *telemetry-export-interval*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/telemetry-export-interval*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log-transmit-failure': Total log transmit failures; 'buffer-alloc-failure': Total reporting buffer allocation failures; 'notif-jobs-in-queue': Total notification jobs in queue; 'enqueue-fail': Total enqueue jobs failed;

Type: string

Supported Values: all, log-transmit-failure, buffer-alloc-failure, notif-jobs-in-queue, enqueue-fail, enqueue-pass, dequeued

template

Specification	
Type	*object*

notification

Description: notification is a **JSON Block**. Please see below for *template_notification*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification*

template_notification

Specification	
Type	*object*

debug

Description: debug is a **JSON Block**. Please see below for *template_notification_debug*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/debug*

template-name-list

Type: List

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}*

template_notification_debug

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_notification_template-name-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

authentication

Description: authentication is a **JSON Block**. Please see below for *template_notification_template-name-list_authentication*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication*

debug-mode

Description Enable debug mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host-name

Description Configure the host name(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

http-port

Description Configure the http port to use(default 80) (http port(default 80))

Type: number

Range: 1-65535

Default: 80

https-port

Description Configure the https port to use(default 443) (http port(default 443))

Type: number

Range: 1-65535

Default: 443

ipv4-address

Description Configure the host IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the host IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

name

Description Notification template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol

Description 'http': Use http protocol; 'https': Use https protocol(default); (http protocol)

Type: string

Supported Values: http, https

Default: https

relative-uri

Description Configure the relative uri(e.g /example , default /)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: /

sampling-enable

Type: List

test-connectivity

Description Test connectivity to notification receiver

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for notifications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_notification_template-name-list_authentication

Specification	
Type	*object*

api-key

Description Configure api-key as a mode of authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

api-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

api-key-string

Description Configure api-key as a mode of authentication

Type: string

Format: password

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-password

Description Configure the authentication user password (Authentication password)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-password-string

Description Configure the authentication user password (Authentication password)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username

Description Configure the authentication user name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

relative-login-uri

Description Configure the authentication login uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

relative-logoff-uri

Description Configure the authentication logoff uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_notification_template-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sent_successful': Sent successful; 'send_fail': Send failures; 'response_fail': Response failures;

Type: string

Supported Values: all, sent_successful, send_fail, response_fail

telemetry-export-interval

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Monitored entity telemetry data export interval in mins (Default 5 mins)

Type: number

Range: 1-5

Default: 5

stats data

	Counter	Size	Description
	buffer-alloc-failure	8	Total reporting buffer allocation failures
	dequeued	8	Total jobs dequeued
	enqueue-pass	8	Total enqueue jobs passed
	notif-jobs-in-queue	8	Total notification jobs in queue
	enqueue-fail	8	Total enqueue jobs failed
	log-transmit-failure	8	Total log transmit failures

2.115.72 visibility reporting telemetry-export-interval

Configure monitor entity telemetry data export interval

telemetry-export-interval Specification

Type	*Configuration Resource*
Element Name	telemetry-export-interval
Element URI	/axapi/v3/visibility/reporting/telemetry-export-interval
Element Attributes	telemetry-export-interval_attributes
Schema	`telemetry-export-interval schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/reporting/telemetry-export-interval

telemetry-export-interval attributes

Get Object

GET

/axapi/v3/visibility/reporting/telemetry-export-interval

telemetry-export-interval attributes

Modify Object

POST

/axapi/v3/visibility/reporting/telemetry-export-interval

telemetry-export-interval attributes

Replace Object

PUT

/axapi/v3/visibility/reporting/telemetry-export-interval

telemetry-export-interval attributes

Delete Object

DELETE

/axapi/v3/visibility/reporting/telemetry-export-interval

telemetry-export-interval attributes

telemetry-export-interval attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Monitored entity telemetry data export interval in mins (Default 5 mins)

Type: number

Range: 1-5

Default: 5

2.115.73 visibility reporting template

Configure templates

template Specification

Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/visibility/reporting/template
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/visibility/reporting/template

template_attributes

template attributes

notification

Description: notification is a **JSON Block**. Please see below for *notification*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification*

notification

Specification	
Type	*object*

debug

Description: debug is a **JSON Block**. Please see below for *notification_debug*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/debug*

template-name-list

Type: List

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}*

notification_debug

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

notification_template-name-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

authentication

Description: authentication is a **JSON Block**. Please see below for *notification_template-name-list_authentication*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication*

debug-mode

Description Enable debug mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host-name

Description Configure the host name(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

http-port

Description Configure the http port to use(default 80) (http port(default 80))

Type: number

Range: 1-65535

Default: 80

https-port

Description Configure the https port to use(default 443) (http port(default 443))

Type: number

Range: 1-65535

Default: 443

ipv4-address

Description Configure the host IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the host IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

name

Description Notification template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol

Description 'http': Use http protocol; 'https': Use https protocol(default); (http protocol)

Type: string

Supported Values: http, https

Default: https

relative-uri

Description Configure the relative uri(e.g /example , default /)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: /

sampling-enable

Type: List

test-connectivity

Description Test connectivity to notification receiver

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for notifications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

notification_template-name-list_authentication

Specification	
Type	*object*

api-key

Description Configure api-key as a mode of authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

api-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

api-key-string

Description Configure api-key as a mode of authentication

Type: string

Format: password

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-password

Description Configure the authentication user password (Authentication password)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-password-string

Description Configure the authentication user password (Authentication password)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username

Description Configure the authentication user name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

relative-login-uri

Description Configure the authentication login uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

relative-logoff-uri

Description Configure the authentication logoff uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

notification_template-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sent_successful': Sent successful; 'send_fail': Send failures; 'response_fail': Response failures;

Type: string

Supported Values: all, sent_successful, send_fail, response_fail

2.115.74 visibility reporting template notification

Notification template configuration

notification Specification

Type	*Intermediate Resource*
Element Name	notification
Element URI	/axapi/v3/visibility/reporting/template/notification
Element Attributes	notification_attributes
Schema	`notification schema`

Operations Allowed:

Get Object

GET

/axapi/v3/visibility/reporting/template/notification

notification_attributes

notification attributes

debug

Description: debug is a **JSON Block**. Please see below for *debug*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/debug*

template-name-list

Type: List

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}*

debug

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-name-list

Specification	
Type	*list*
Block object keys	

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

authentication

Description: authentication is a **JSON Block**. Please see below for *template-name-list_authentication*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication*

debug-mode

Description Enable debug mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host-name

Description Configure the host name(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

http-port

Description Configure the http port to use(default 80) (http port(default 80))

Type: number

Range: 1-65535

Default: 80

https-port

Description Configure the https port to use(default 443) (http port(default 443))

Type: number

Range: 1-65535

Default: 443

ipv4-address

Description Configure the host IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the host IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

name

Description Notification template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol

Description 'http': Use http protocol; 'https': Use https protocol(default); (http protocol)

Type: string

Supported Values: http, https

Default: https

relative-uri

Description Configure the relative uri(e.g /example , default /)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: /

sampling-enable

Type: List

test-connectivity

Description Test connectivity to notification receiver

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for notifications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-name-list_authentication

Specification	
Type	*object*

api-key

Description Configure api-key as a mode of authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

api-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

api-key-string

Description Configure api-key as a mode of authentication

Type: string

Format: password

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-password

Description Configure the authentication user password (Authentication password)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-password-string

Description Configure the authentication user password (Authentication password)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username

Description Configure the authentication user name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

relative-login-uri

Description Configure the authentication login uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

relative-logoff-uri

Description Configure the authentication logoff uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-name-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sent_successful': Sent successful; 'send_fail': Send failures; 'response_fail': Response failures;

Type: string

Supported Values: all, sent_successful, send_fail, response_fail

2.115.75 visibility reporting template notification template-name

Notification template configuration

template-name Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-name-list*
Collection URI	/axapi/v3/visibility/reporting/template/notification/template-name
Element Name	template-name
Element URI	/axapi/v3/visibility/reporting/template/notification/template-name/{name}
Element Attributes	template-name_attributes
Schema	`template-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/reporting/template/notification/template-name

template-name attributes

Create List

POST

/axapi/v3/visibility/reporting/template/notification/template-name

template-name attributes

Get Object

GET

/axapi/v3/visibility/reporting/template/notification/template-name/{name}

template-name attributes

Get List

GET

/axapi/v3/visibility/reporting/template/notification/template-name

template-name-list

Modify Object

POST

/axapi/v3/visibility/reporting/template/notification/template-name/{name}

template-name attributes

Replace Object

PUT

/axapi/v3/visibility/reporting/template/notification/template-name/{name}

template-name attributes

Replace List

PUT

/axapi/v3/visibility/reporting/template/notification/template-name

template-name-list

Delete Object

DELETE

/axapi/v3/visibility/reporting/template/notification/template-name/{name}

template-name attributes

template-name-list

template-name-list is **JSON List** of *template-name attributes*

template-name-list : [

{ *template-name attributes* },

{ *template-name attributes* },

...

]

template-name attributes

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

Refernce Object: */axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication*

debug-mode

Description Enable debug mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host-name

Description Configure the host name(e.g www.a10networks.com)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: host-name ipv4-address and ipv6-address are mutually exclusive

http-port

Description Configure the http port to use(default 80) (http port(default 80))

Type: number

Range: 1-65535

Default: 80

https-port

Description Configure the https port to use(default 443) (http port(default 443))

Type: number

Range: 1-65535

Default: 443

ipv4-address

Description Configure the host IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address ipv6-address and host-name are mutually exclusive

ipv6-address

Description Configure the host IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address ipv4-address and host-name are mutually exclusive

name

Description Notification template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol

Description 'http': Use http protocol; 'https': Use https protocol(default); (http protocol)

Type: string

Supported Values: http, https

Default: https

relative-uri

Description Configure the relative uri(e.g /example , default /)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: /

sampling-enable

Type: List

test-connectivity

Description Test connectivity to notification receiver

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for notifications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	
Type	*object*

api-key

Description Configure api-key as a mode of authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

api-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

api-key-string

Description Configure api-key as a mode of authentication

Type: string

Format: password

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-password

Description Configure the authentication user password (Authentication password)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-password-string

Description Configure the authentication user password (Authentication password)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username

Description Configure the authentication user name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

relative-login-uri

Description Configure the authentication login uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

relative-logoff-uri

Description Configure the authentication logoff uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sent_successful': Sent successful; 'send_fail': Send failures; 'response_fail': Response failures;

Type: string

Supported Values: all, sent_successful, send_fail, response_fail

stats data

	Counter	Size	Description
	send_fail	8	Send failures
	sent_successful	8	Sent successful
	response_fail	8	Response failures

2.115.76 visibility reporting template notification template-name authentication

Configure authentication information

authentication Specification

Type	*Configuration Resource*
Element Name	authentication
Element URI	/axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication
Element Attributes	authentication_attributes
Schema	`authentication schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication

authentication attributes

Get Object

GET

/axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication

authentication attributes

Modify Object

POST

/axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication

authentication attributes

Replace Object

PUT

/axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication

authentication attributes

Delete Object

DELETE

/axapi/v3/visibility/reporting/template/notification/template-name/{name}/authentication

authentication attributes

authentication attributes

api-key

Description Configure api-key as a mode of authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

api-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

api-key-string

Description Configure api-key as a mode of authentication

Type: string

Format: password

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-password

Description Configure the authentication user password (Authentication password)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-password-string

Description Configure the authentication user password (Authentication password)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username

Description Configure the authentication user name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

relative-login-uri

Description Configure the authentication login uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

relative-logoff-uri

Description Configure the authentication logoff uri

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.77 visibility topk

Display topk Monitoring entities

topk Specification

Type	*Intermediate Resource*
Element Name	topk
Element URI	/axapi/v3/visibility/topk
Element Attributes	topk_attributes
Schema	`topk schema`

Operations Allowed:

Get Object

GET

/axapi/v3/visibility/topk

topk_attributes

topk attributes

sources

Description: sources is a **JSON Block**. Please see below for *sources*

Type: Object

Refernce Object: */axapi/v3/visibility/topk/sources*

sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.78 visibility topk sources

Display topk source entities

sources Specification

Type	*Configuration Resource*
Element Name	sources
Element URI	/axapi/v3/visibility/topk/sources
Element Attributes	sources_attributes
Operational Data URI	/axapi/v3/visibility/topk/sources/oper
Schema	`sources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topk/sources

sources attributes

Get Object

GET

/axapi/v3/visibility/topk/sources

sources attributes

Modify Object

POST

/axapi/v3/visibility/topk/sources

sources attributes

Replace Object

PUT

/axapi/v3/visibility/topk/sources

sources attributes

Delete Object

DELETE

/axapi/v3/visibility/topk/sources

sources attributes

sources attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	metric-topk-list		metric-topk-list

2.115.79 visibility topn

Configure topn

topn Specification

Type	*Configuration Resource*
Element Name	topn
Element URI	/axapi/v3/visibility/topn
Element Attributes	topn_attributes
Statistics Data URI	/axapi/v3/visibility/topn/stats
Operational Data URI	/axapi/v3/visibility/topn/oper
Schema	`topn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn

topn attributes

Get Object

GET

/axapi/v3/visibility/topn

topn attributes

Modify Object

POST

/axapi/v3/visibility/topn

topn attributes

Replace Object

PUT

/axapi/v3/visibility/topn

topn attributes

Delete Object

DELETE

/axapi/v3/visibility/topn

topn attributes

topn attributes

cgnv6-nat-pool-topn-node

Description: cgnv6-nat-pool-topn-node is a **JSON Block**. Please see below for *cgnv6-nat-pool-topn-node*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-node*

cgnv6-nat-pool-topn-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}*

gtp-apn-prefix-topn-node

Description: gtp-apn-prefix-topn-node is a **JSON Block**. Please see below for *gtp-apn-prefix-topn-node*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-node*

gtp-apn-prefix-topn-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}*

gtp-network-element-topn-node

Description: gtp-network-element-topn-node is a **JSON Block**. Please see below for *gtp-network-element-topn-node*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-node*

gtp-network-element-topn-tmpl-list

Type: List

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-nat-pool-topn-node

Specification	
Type	*object*

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp-network-element-topn-node

Specification	
Type	*object*

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp-apn-prefix-topn-node

Specification	
Type	*object*

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'heap-alloc-success': Total heap node allocated; 'heap-alloc-failed': Total heap node alloc failed; 'heap-alloc-oom': Total heap node alloc failed Out of Memory; 'obj-reg-success': Total object node allocated; 'obj-reg-failed': Total object node alloc failed; 'obj-reg-oom': Total object node alloc failed Out of Memory; 'heap-deleted': Total Heap node deleted; 'obj-deleted': Total Object node deleted; 'heap-metric-alloc-success': Total heap metric node allocated; 'heap-metric-alloc-oom': Total heap metric node alloc failed Out of Memory; 'heap-move-to-delq': Total heap node moved to delq; 'heap-metric-deleted': Total Heap metric node deleted; 'obj-metric-reg-success': Total object Metric node allocated; 'obj-metric-reg-oom': Total object Metric node alloc failed Out of Memory; 'obj_move_to_delq': Total object node moved to delq; 'obj-metric-deleted': Total Object metric node deleted;

Type: string

Supported Values: all, heap-alloc-success, heap-alloc-failed, heap-alloc-oom, obj-reg-success, obj-reg-failed, obj-reg-oom, heap-deleted, obj-deleted, heap-metric-alloc-success, heap-metric-alloc-oom, heap-move-to-delq, heap-metric-deleted, obj-metric-reg-success, obj-metric-reg-oom, obj-move-to-delq, obj-metric-deleted, hc-obj-alloc-failed

cgnv6-nat-pool-topn-tmpl-list

Specification	
Type	*list*
Block object keys	

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *cgnv6-nat-pool-topn-tmpl-list_metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgnv6-nat-pool-topn-tmpl-list_metrics

Specification	
Type	*object*

tcp-total

Description Track Top-N entities for TCP total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-total

Description Track Top-N entities for UDP Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp-apn-prefix-topn-tmpl-list

Specification	
Type	*list*
Block object keys	

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *gtp-apn-prefix-topn-tmpl-list_metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp-apn-prefix-topn-tmpl-list_metrics

Specification	
Type	*object*

downlink-bytes

Description Track Top-N entities for Downlink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-pkts

Description Track Top-N entities for Downlink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-apn-filtering

Description Track Top-N entities for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Track Top-N entities for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Track Top-N entities for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Track Top-N entities for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Track Top-N entities for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Track Top-N entities for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Track Top-N entities for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv0-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv1-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv2-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Create Session Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Track Top-N entities for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Track Top-N entities for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Track Top-N entities for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Track Top-N entities for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Track Top-N entities for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Track Top-N entities for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Track Top-N entities for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Track Top-N entities for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Track Top-N entities for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Track Top-N entities for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Track Top-N entities for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Track Top-N entities for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Track Top-N entities for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Track Top-N entities for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Track Top-N entities for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Track Top-N entities for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Track Top-N entities for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Track Top-N entities for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Track Top-N entities for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Track Top-N entities for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-unsupported-message-type

Description Track Top-N entities for Validation Drop: Message type not supported in GTP-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Track Top-N entities for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-path-management-message

Description Track Top-N entities for GTP Path Management Messages Received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-created

Description Track Top-N entities for GTP-U Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-deleted

Description Track Top-N entities for GTP-U Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPV0-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv0-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-closed

Description Track Top-N entities for GTPv0-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-created

Description Track Top-N entities for GTPv0-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted

Description Track Top-N entities for GTPv0-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv0-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-closed

Description Track Top-N entities for GTPv0-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-open

Description Track Top-N entities for GTPv0-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPV0-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPV1-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv1-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-closed

Description Track Top-N entities for GTPv1-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-created

Description Track Top-N entities for GTPv1-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted

Description Track Top-N entities for GTPv1-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv1-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-closed

Description Track Top-N entities for GTPv1-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-open

Description Track Top-N entities for GTPv1-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPV1-C Update PDP Context response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-create-sess-resp-unsuccess

Description Track Top-N entities for GTPV2-C Create Session Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv2-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-mod_bearer-resp-unsuccess

Description Track Top-N entities for GTPV2-C Modify Bearer Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-piggyback-message

Description Track Top-N entities for GTPv2-C Piggyback Messages seen

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-closed

Description Track Top-N entities for GTPv2-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-created

Description Track Top-N entities for GTPv2-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted

Description Track Top-N entities for GTPv2-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv2-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-closed

Description Track Top-N entities for GTPv2-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-open

Description Track Top-N entities for GTPv2-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-bytes

Description Track Top-N entities for Uplink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-pkts

Description Track Top-N entities for Uplink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp-network-element-topn-tmpl-list

Specification	
Type	*list*
Block object keys	

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *gtp-network-element-topn-tmpl-list_metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp-network-element-topn-tmpl-list_metrics

Specification	
Type	*object*

downlink-bytes

Description Track Top-N entities for Downlink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-pkts

Description Track Top-N entities for Downlink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-apn-filtering

Description Track Top-N entities for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Track Top-N entities for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Track Top-N entities for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Track Top-N entities for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Track Top-N entities for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Track Top-N entities for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Track Top-N entities for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv0-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv1-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv2-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Create Session Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Track Top-N entities for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Track Top-N entities for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Track Top-N entities for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Track Top-N entities for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Track Top-N entities for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Track Top-N entities for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Track Top-N entities for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Track Top-N entities for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Track Top-N entities for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Track Top-N entities for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Track Top-N entities for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Track Top-N entities for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Track Top-N entities for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Track Top-N entities for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Track Top-N entities for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Track Top-N entities for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Track Top-N entities for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Track Top-N entities for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Track Top-N entities for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-unsupported-message-type

Description Track Top-N entities for Validation Drop: Message type not supported by GTP Version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Track Top-N entities for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop_vld-gtp-bearer-count-exceed

Description Track Top-N entities for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-path-management-message

Description Track Top-N entities for GTP Path Management Messages Received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-created

Description Track Top-N entities for GTP-U Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-deleted

Description Track Top-N entities for GTP-U Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPv0-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv0-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-reserved-message-allow

Description Track Top-N entities for GTPv0-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-closed

Description Track Top-N entities for GTPv0-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-created

Description Track Top-N entities for GTPv0-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted

Description Track Top-N entities for GTPv0-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv0-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-closed

Description Track Top-N entities for GTPv0-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-open

Description Track Top-N entities for GTPv0-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPv0-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPv1-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv1-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-reserved-message-allow

Description Track Top-N entities for GTPv1-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-closed

Description Track Top-N entities for GTPv1-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-created

Description Track Top-N entities for GTPv1-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted

Description Track Top-N entities for GTPv1-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv1-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-closed

Description Track Top-N entities for GTPv1-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-open

Description Track Top-N entities for GTPv1-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPv1-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-create-sess-resp-unsuccess

Description Track Top-N entities for GTPv2-C Create Session Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv2-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-mod_bearer-resp-unsuccess

Description Track Top-N entities for GTPv2-C Modify Bearer Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-piggyback-message

Description Track Top-N entities for GTPv2-C Piggyback Messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-reserved-message-allow

Description Track Top-N entities for GTPv2-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-closed

Description Track Top-N entities for GTPv2-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-created

Description Track Top-N entities for GTPv2-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted

Description Track Top-N entities for GTPv2-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv2-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-closed

Description Track Top-N entities for GTPv2-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-open

Description Track Top-N entities for GTPv2-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-bytes

Description Track Top-N entities for Uplink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-pkts

Description Track Top-N entities for Uplink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	obj-deleted	8	Total Object node deleted
	obj-reg-oom	8	Total object node alloc failed Out of Memory
	heap-alloc-failed	8	Total heap node alloc failed
	obj-reg-success	8	Total object node allocated
	heap-alloc-oom	8	Total heap node alloc failed Out of Memory
	heap-alloc-success	8	Total heap node allocated
	obj-reg-failed	8	Total object node alloc failed
	heap-deleted	8	Total Heap node deleted

operational data

	Counter	Size	Description
	metric-topn-list		metric-topn-list
	used-memory	string	used-memory
	topn-duration	string	topn-duration
	total-memory	string	total-memory
	metric	string	metric
	memory-usage	flag	memory-usage
	class	string	class

2.115.80 visibility topn cgnv6-nat-pool-topn-node

Activate cgnv6-nat-pool-topn template

cgnv6-nat-pool-topn-node Specification

Type	*Configuration Resource*
Element Name	cgnv6-nat-pool-topn-node
Element URI	/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-node
Element Attributes	cgnv6-nat-pool-topn-node_attributes
Schema	`cgnv6-nat-pool-topn-node schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-node

cgnv6-nat-pool-topn-node attributes

Get Object

GET

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-node

cgnv6-nat-pool-topn-node attributes

Modify Object

POST

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-node

cgnv6-nat-pool-topn-node attributes

Replace Object

PUT

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-node

cgnv6-nat-pool-topn-node attributes

Delete Object

DELETE

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-node

cgnv6-nat-pool-topn-node attributes

cgnv6-nat-pool-topn-node attributes

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.81 visibility topn cgnv6-nat-pool-topn-tmpl

Configure template for cgnv6-nat-pool-topn-tmpl

cgnv6-nat-pool-topn-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*cgnv6-nat-pool-topn-tmpl-list*
Collection URI	/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl
Element Name	cgnv6-nat-pool-topn-tmpl
Element URI	/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}
Element Attributes	cgnv6-nat-pool-topn-tmpl_attributes
Schema	`cgnv6-nat-pool-topn-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl

cgnv6-nat-pool-topn-tmpl attributes

Create List

POST

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl

cgnv6-nat-pool-topn-tmpl attributes

Get Object

GET

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}

cgnv6-nat-pool-topn-tmpl attributes

Get List

GET

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl

cgnv6-nat-pool-topn-tmpl-list

Modify Object

POST

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}

cgnv6-nat-pool-topn-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}

cgnv6-nat-pool-topn-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl

cgnv6-nat-pool-topn-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}

cgnv6-nat-pool-topn-tmpl attributes

cgnv6-nat-pool-topn-tmpl-list

cgnv6-nat-pool-topn-tmpl-list is **JSON List** of *cgnv6-nat-pool-topn-tmpl attributes*

cgnv6-nat-pool-topn-tmpl-list : [

{ *cgnv6-nat-pool-topn-tmpl attributes* },

{ *cgnv6-nat-pool-topn-tmpl attributes* },

...

]

cgnv6-nat-pool-topn-tmpl attributes

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

metrics

Specification	
Type	*object*

tcp-total

Description Track Top-N entities for TCP total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-total

Description Track Top-N entities for UDP Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.82 visibility topn cgnv6-nat-pool-topn-tmpl metrics

Configure topn metrics for cgnv6-nat-pool-topn-tmpl

metrics Specification

Type	*Configuration Resource*
Element Name	metrics
Element URI	/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics
Element Attributes	metrics_attributes
Schema	`metrics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics

metrics attributes

Get Object

GET

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics

metrics attributes

Modify Object

POST

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics

metrics attributes

Replace Object

PUT

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics

metrics attributes

Delete Object

DELETE

/axapi/v3/visibility/topn/cgnv6-nat-pool-topn-tmpl/{name}/metrics

metrics attributes

metrics attributes

tcp-total

Description Track Top-N entities for TCP total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-total

Description Track Top-N entities for UDP Total

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.83 visibility topn gtp-apn-prefix-topn-node

Activate gtp-apn-prefix-topn template

gtp-apn-prefix-topn-node Specification

Type	*Configuration Resource*
Element Name	gtp-apn-prefix-topn-node
Element URI	/axapi/v3/visibility/topn/gtp-apn-prefix-topn-node
Element Attributes	gtp-apn-prefix-topn-node_attributes
Schema	`gtp-apn-prefix-topn-node schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-node

gtp-apn-prefix-topn-node attributes

Get Object

GET

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-node

gtp-apn-prefix-topn-node attributes

Modify Object

POST

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-node

gtp-apn-prefix-topn-node attributes

Replace Object

PUT

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-node

gtp-apn-prefix-topn-node attributes

Delete Object

DELETE

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-node

gtp-apn-prefix-topn-node attributes

gtp-apn-prefix-topn-node attributes

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.84 visibility topn gtp-apn-prefix-topn-tmpl

Configure template for gtp-apn-prefix-topn-tmpl

gtp-apn-prefix-topn-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*gtp-apn-prefix-topn-tmpl-list*
Collection URI	/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl
Element Name	gtp-apn-prefix-topn-tmpl
Element URI	/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}
Element Attributes	gtp-apn-prefix-topn-tmpl_attributes
Schema	`gtp-apn-prefix-topn-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl

gtp-apn-prefix-topn-tmpl attributes

Create List

POST

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl

gtp-apn-prefix-topn-tmpl attributes

Get Object

GET

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}

gtp-apn-prefix-topn-tmpl attributes

Get List

GET

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl

gtp-apn-prefix-topn-tmpl-list

Modify Object

POST

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}

gtp-apn-prefix-topn-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}

gtp-apn-prefix-topn-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl

gtp-apn-prefix-topn-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}

gtp-apn-prefix-topn-tmpl attributes

gtp-apn-prefix-topn-tmpl-list

gtp-apn-prefix-topn-tmpl-list is **JSON List** of *gtp-apn-prefix-topn-tmpl attributes*

```
gtp-apn-prefix-topn-tmpl-list : [
        { gtp-apn-prefix-topn-tmpl attributes },
        { gtp-apn-prefix-topn-tmpl attributes },
        ...
    ]
```

gtp-apn-prefix-topn-tmpl attributes

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

metrics

Specification	
Type	*object*

downlink-bytes

Description Track Top-N entities for Downlink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-pkts

Description Track Top-N entities for Downlink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-apn-filtering

Description Track Top-N entities for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Track Top-N entities for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Track Top-N entities for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Track Top-N entities for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Track Top-N entities for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Track Top-N entities for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Track Top-N entities for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv0-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv1-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv2-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Create Session Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Track Top-N entities for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Track Top-N entities for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Track Top-N entities for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Track Top-N entities for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Track Top-N entities for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Track Top-N entities for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Track Top-N entities for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Track Top-N entities for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Track Top-N entities for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Track Top-N entities for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Track Top-N entities for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Track Top-N entities for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Track Top-N entities for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Track Top-N entities for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Track Top-N entities for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Track Top-N entities for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Track Top-N entities for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Track Top-N entities for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Track Top-N entities for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Track Top-N entities for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-unsupported-message-type

Description Track Top-N entities for Validation Drop: Message type not supported in GTP-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Track Top-N entities for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-path-management-message

Description Track Top-N entities for GTP Path Management Messages Received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-created

Description Track Top-N entities for GTP-U Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-deleted

Description Track Top-N entities for GTP-U Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPV0-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv0-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-closed

Description Track Top-N entities for GTPv0-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-created

Description Track Top-N entities for GTPv0-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted

Description Track Top-N entities for GTPv0-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv0-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-closed

Description Track Top-N entities for GTPv0-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-open

Description Track Top-N entities for GTPv0-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPV0-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPV1-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv1-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-closed

Description Track Top-N entities for GTPv1-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-created

Description Track Top-N entities for GTPv1-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted

Description Track Top-N entities for GTPv1-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv1-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-closed

Description Track Top-N entities for GTPv1-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-open

Description Track Top-N entities for GTPv1-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPV1-C Update PDP Context response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-create-sess-resp-unsuccess

Description Track Top-N entities for GTPV2-C Create Session Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv2-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-mod_bearer-resp-unsuccess

Description Track Top-N entities for GTPV2-C Modify Bearer Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-piggyback-message

Description Track Top-N entities for GTPv2-C Piggyback Messages seen

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-closed

Description Track Top-N entities for GTPv2-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-created

Description Track Top-N entities for GTPv2-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted

Description Track Top-N entities for GTPv2-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv2-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-closed

Description Track Top-N entities for GTPv2-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-open

Description Track Top-N entities for GTPv2-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-bytes

Description Track Top-N entities for Uplink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-pkts

Description Track Top-N entities for Uplink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.85 visibility topn gtp-apn-prefix-topn-tmpl metrics

Configure topn metrics for gtp-apn-prefix-topn-tmpl

metrics Specification

Type	*Configuration Resource*
Element Name	metrics
Element URI	/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics
Element Attributes	metrics_attributes
Schema	`metrics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics

metrics attributes

Get Object

GET

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics

metrics attributes

Modify Object

POST

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics

metrics attributes

Replace Object

PUT

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics

metrics attributes

Delete Object

DELETE

/axapi/v3/visibility/topn/gtp-apn-prefix-topn-tmpl/{name}/metrics

metrics attributes

metrics attributes

downlink-bytes

Description Track Top-N entities for Downlink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-pkts

Description Track Top-N entities for Downlink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-apn-filtering

Description Track Top-N entities for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Track Top-N entities for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Track Top-N entities for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Track Top-N entities for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Track Top-N entities for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Track Top-N entities for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Track Top-N entities for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv0-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv1-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv2-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Create Session Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Track Top-N entities for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Track Top-N entities for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-bearer-count-exceed

Description Track Top-N entities for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Track Top-N entities for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Track Top-N entities for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Track Top-N entities for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Track Top-N entities for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Track Top-N entities for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Track Top-N entities for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Track Top-N entities for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Track Top-N entities for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Track Top-N entities for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Track Top-N entities for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Track Top-N entities for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Track Top-N entities for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Track Top-N entities for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Track Top-N entities for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Track Top-N entities for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Track Top-N entities for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Track Top-N entities for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-unsupported-message-type

Description Track Top-N entities for Validation Drop: Message type not supported in GTP-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Track Top-N entities for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-path-management-message

Description Track Top-N entities for GTP Path Management Messages Received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-created

Description Track Top-N entities for GTP-U Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-deleted

Description Track Top-N entities for GTP-U Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPV0-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv0-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-closed

Description Track Top-N entities for GTPv0-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-created

Description Track Top-N entities for GTPv0-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted

Description Track Top-N entities for GTPv0-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv0-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-closed

Description Track Top-N entities for GTPv0-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-open

Description Track Top-N entities for GTPv0-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPV0-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPV1-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv1-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-closed

Description Track Top-N entities for GTPv1-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-created

Description Track Top-N entities for GTPv1-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted

Description Track Top-N entities for GTPv1-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv1-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-closed

Description Track Top-N entities for GTPv1-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-open

Description Track Top-N entities for GTPv1-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPV1-C Update PDP Context response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-create-sess-resp-unsuccess

Description Track Top-N entities for GTPV2-C Create Session Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv2-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-mod_bearer-resp-unsuccess

Description Track Top-N entities for GTPV2-C Modify Bearer Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-piggyback-message

Description Track Top-N entities for GTPv2-C Piggyback Messages seen

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-closed

Description Track Top-N entities for GTPv2-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-created

Description Track Top-N entities for GTPv2-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted

Description Track Top-N entities for GTPv2-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv2-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-closed

Description Track Top-N entities for GTPv2-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-open

Description Track Top-N entities for GTPv2-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-bytes

Description Track Top-N entities for Uplink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-pkts

Description Track Top-N entities for Uplink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.86 visibility topn gtp-network-element-topn-node

Activate gtp-network-element-topn template

gtp-network-element-topn-node Specification

Type	*Configuration Resource*
Element Name	gtp-network-element-topn-node
Element URI	/axapi/v3/visibility/topn/gtp-network-element-topn-node
Element Attributes	gtp-network-element-topn-node_attributes
Schema	`gtp-network-element-topn-node schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/gtp-network-element-topn-node

gtp-network-element-topn-node attributes

Get Object

GET

/axapi/v3/visibility/topn/gtp-network-element-topn-node

gtp-network-element-topn-node attributes

Modify Object

POST

/axapi/v3/visibility/topn/gtp-network-element-topn-node

gtp-network-element-topn-node attributes

Replace Object

PUT

/axapi/v3/visibility/topn/gtp-network-element-topn-node

gtp-network-element-topn-node attributes

Delete Object

DELETE

/axapi/v3/visibility/topn/gtp-network-element-topn-node

gtp-network-element-topn-node attributes

gtp-network-element-topn-node attributes

activate

Description Name of the templated to be activated

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-tmpl*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.87 visibility topn gtp-network-element-topn-tmpl

Configure template for gtp-network-element-topn-tmpl

gtp-network-element-topn-tmpl Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*gtp-network-element-topn-tmpl-list*
Collection URI	/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl
Element Name	gtp-network-element-topn-tmpl
Element URI	/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}
Element Attributes	gtp-network-element-topn-tmpl_attributes
Schema	`gtp-network-element-topn-tmpl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl

gtp-network-element-topn-tmpl attributes

Create List

POST

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl

gtp-network-element-topn-tmpl attributes

Get Object

GET

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}

gtp-network-element-topn-tmpl attributes

Get List

GET

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl

gtp-network-element-topn-tmpl-list

Modify Object

POST

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}

gtp-network-element-topn-tmpl attributes

Replace Object

PUT

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}

gtp-network-element-topn-tmpl attributes

Replace List

PUT

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl

gtp-network-element-topn-tmpl-list

Delete Object

DELETE

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}

gtp-network-element-topn-tmpl attributes

gtp-network-element-topn-tmpl-list

gtp-network-element-topn-tmpl-list is **JSON List** of *gtp-network-element-topn-tmpl attributes*

```
gtp-network-element-topn-tmpl-list : [
        { gtp-network-element-topn-tmpl attributes },
        { gtp-network-element-topn-tmpl attributes },
        ...
    ]
```

gtp-network-element-topn-tmpl attributes

interval

Description '5': 5 minutes; '15': 15 minutes; '30': 30 minutes; '60': 60 minutes; 'all-time': Since template is activated;

Type: string

Supported Values: 5, 15, 30, 60, all-time

metrics

Description: metrics is a **JSON Block**. Please see below for *metrics*

Type: Object

Refernce Object: */axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics*

name

Description Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

topn-size

Description Congure value of N for topn

Type: number

Range: 10-200

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

metrics

Specification	
Type	*object*

downlink-bytes

Description Track Top-N entities for Downlink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-pkts

Description Track Top-N entities for Downlink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-apn-filtering

Description Track Top-N entities for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Track Top-N entities for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Track Top-N entities for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Track Top-N entities for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Track Top-N entities for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Track Top-N entities for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Track Top-N entities for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv0-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv1-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv2-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Create Session Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Track Top-N entities for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Track Top-N entities for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Track Top-N entities for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Track Top-N entities for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Track Top-N entities for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Track Top-N entities for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Track Top-N entities for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Track Top-N entities for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Track Top-N entities for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Track Top-N entities for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Track Top-N entities for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Track Top-N entities for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Track Top-N entities for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Track Top-N entities for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Track Top-N entities for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Track Top-N entities for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Track Top-N entities for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Track Top-N entities for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Track Top-N entities for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-unsupported-message-type

Description Track Top-N entities for Validation Drop: Message type not supported by GTP Version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Track Top-N entities for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop_vld-gtp-bearer-count-exceed

Description Track Top-N entities for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-path-management-message

Description Track Top-N entities for GTP Path Management Messages Received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-created

Description Track Top-N entities for GTP-U Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-deleted

Description Track Top-N entities for GTP-U Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPv0-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv0-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-reserved-message-allow

Description Track Top-N entities for GTPv0-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-closed

Description Track Top-N entities for GTPv0-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-created

Description Track Top-N entities for GTPv0-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted

Description Track Top-N entities for GTPv0-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv0-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-closed

Description Track Top-N entities for GTPv0-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-open

Description Track Top-N entities for GTPv0-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPv0-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPv1-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv1-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-reserved-message-allow

Description Track Top-N entities for GTPv1-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-closed

Description Track Top-N entities for GTPv1-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-created

Description Track Top-N entities for GTPv1-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted

Description Track Top-N entities for GTPv1-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv1-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-closed

Description Track Top-N entities for GTPv1-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-open

Description Track Top-N entities for GTPv1-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPv1-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-create-sess-resp-unsuccess

Description Track Top-N entities for GTPv2-C Create Session Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv2-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-mod_bearer-resp-unsuccess

Description Track Top-N entities for GTPv2-C Modify Bearer Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-piggyback-message

Description Track Top-N entities for GTPv2-C Piggyback Messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-reserved-message-allow

Description Track Top-N entities for GTPv2-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-closed

Description Track Top-N entities for GTPv2-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-created

Description Track Top-N entities for GTPv2-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted

Description Track Top-N entities for GTPv2-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv2-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-closed

Description Track Top-N entities for GTPv2-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-open

Description Track Top-N entities for GTPv2-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-bytes

Description Track Top-N entities for Uplink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-pkts

Description Track Top-N entities for Uplink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.88 visibility topn gtp-network-element-topn-tmpl metrics

Configure topn metrics for gtp-network-element-topn-tmpl

metrics Specification

Type	*Configuration Resource*
Element Name	metrics
Element URI	/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics
Element Attributes	metrics_attributes
Schema	`metrics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics

metrics attributes

Get Object

GET

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics

metrics attributes

Modify Object

POST

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics

metrics attributes

Replace Object

PUT

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics

metrics attributes

Delete Object

DELETE

/axapi/v3/visibility/topn/gtp-network-element-topn-tmpl/{name}/metrics

metrics attributes

metrics attributes

downlink-bytes

Description Track Top-N entities for Downlink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-pkts

Description Track Top-N entities for Downlink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-apn-filtering

Description Track Top-N entities for Filtering Drop: APN IMSI Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-gtp-in-gtp

Description Track Top-N entities for Filtering Drop: GTP in GTP Tunnel Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-message-filtering

Description Track Top-N entities for Filtering Drop: Message Type Not Permitted on Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-msisdn-filtering

Description Track Top-N entities for Filtering Drop: MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-flt-rat-type-filtering

Description Track Top-N entities for Filtering Drop: RAT Type Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-downlink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Downlink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-max-concurrent-tunnels

Description Track Top-N entities for Rate-limit Drop: GTP-U Concurrent Tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Total byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-total-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Total packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-tunnel-create

Description Track Top-N entities for Rate-limit Drop: GTP-U Tunnel Creation rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-byte

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink byte rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-u-uplink-packet

Description Track Top-N entities for Rate-limit Drop: GTP-U Uplink packet rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v0-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv0-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv1-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-create-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v1-c-update-pdp-request

Description Track Top-N entities for Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-agg

Description Track Top-N entities for Rate-limit Drop: Maximum GTPv2-C messages rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-create-session-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Create Session Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-rl-gtp-v2-c-modify-bearer-request

Description Track Top-N entities for Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-country-code-mismatch

Description Track Top-N entities for Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-cross-layer-correlation

Description Track Top-N entities for Validation Drop: Cross Layer IP Address Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-c-handover-in-progress

Description Track Top-N entities for Validation Drop: GTP-C Drop Since Handover In Progress

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-apn-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid APN Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-invalid-imsi-len-drop

Description Track Top-N entities for Validation Drop: GTP-C Invalid IMSI Length Drop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-u-spoofed-source-address

Description Track Top-N entities for Validation Drop: GTP-U IP Address Spoofed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtp-v2-wrong-lbi-create-bearer

Description Track Top-N entities for Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv0-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv1-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-gtpv2-seqnum-buffer-full

Description Track Top-N entities for Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-flow-label-v0

Description Track Top-N entities for Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-pkt-len-piggyback

Description Track Top-N entities for Validation Drop: Piggyback message invalid packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-invalid-teid

Description Track Top-N entities for Validation Drop: Invalid TEID Value

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-mandatory-information-element

Description Track Top-N entities for Validation Drop: Mandatory IE Not Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-message-length

Description Track Top-N entities for Validation Drop: Message Length Exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-order-ie

Description Track Top-N entities for Validation Drop: GTPv1-C Message Out of Order IE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state

Description Track Top-N entities for Validation Drop: Out Of State GTP Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-out-of-state-ie

Description Track Top-N entities for Validation Drop: Unexpected IE Present in Message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-protocol-flag-unset

Description Track Top-N entities for Validation Drop: Protocol flag in Header Field not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-field-set

Description Track Top-N entities for Validation Drop: Reserved Header Field Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-reserved-information-element

Description Track Top-N entities for Validation Drop: Reserved IE Field Present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sanity-failed-piggyback

Description Track Top-N entities for Validation Drop: piggyback message anomaly failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-sequence-num-correlation

Description Track Top-N entities for Validation Drop: GTP-C Sequence number Mismatch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-tunnel-id-flag

Description Track Top-N entities for Validation Drop: Tunnel Header Flag Not Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-unsupported-message-type

Description Track Top-N entities for Validation Drop: Message type not supported by GTP Version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-vld-version-not-supported

Description Track Top-N entities for Validation Drop: Invalid GTP version

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop_vld-gtp-bearer-count-exceed

Description Track Top-N entities for Validation Drop: GTP Bearer count exceeded max (11)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-path-management-message

Description Track Top-N entities for GTP Path Management Messages Received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-created

Description Track Top-N entities for GTP-U Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-u-tunnel-deleted

Description Track Top-N entities for GTP-U Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPv0-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv0-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-reserved-message-allow

Description Track Top-N entities for GTPv0-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-closed

Description Track Top-N entities for GTPv0-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-created

Description Track Top-N entities for GTPv0-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted

Description Track Top-N entities for GTPv0-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv0-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-closed

Description Track Top-N entities for GTPv0-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-tunnel-half-open

Description Track Top-N entities for GTPv0-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v0-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPv0-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-create-pdp-resp-unsuccess

Description Track Top-N entities for GTPv1-C Create PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv1-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-reserved-message-allow

Description Track Top-N entities for GTPv1-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-closed

Description Track Top-N entities for GTPv1-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-created

Description Track Top-N entities for GTPv1-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted

Description Track Top-N entities for GTPv1-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv1-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-closed

Description Track Top-N entities for GTPv1-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-tunnel-half-open

Description Track Top-N entities for GTPv1-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v1-c-update-pdp-resp-unsuccess

Description Track Top-N entities for GTPv1-C Update PDP Context Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-create-sess-resp-unsuccess

Description Track Top-N entities for GTPv2-C Create Session Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-half-open-tunnel-closed

Description Track Top-N entities for GTPv2-C Half open tunnel closed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-mod_bearer-resp-unsuccess

Description Track Top-N entities for GTPv2-C Modify Bearer Response Unsuccessful

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-piggyback-message

Description Track Top-N entities for GTPv2-C Piggyback Messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-reserved-message-allow

Description Track Top-N entities for GTPv2-C Reserved Message Allow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-closed

Description Track Top-N entities for GTPv2-C Tunnel Marked Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-created

Description Track Top-N entities for GTPv2-C Tunnel Created

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted

Description Track Top-N entities for GTPv2-C Tunnel Deleted

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-deleted-restart

Description Track Top-N entities for GTPv2-C Tunnel Deleted with Restart/failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-closed

Description Track Top-N entities for GTPv2-C Tunnel Delete Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-v2-c-tunnel-half-open

Description Track Top-N entities for GTPv2-C Tunnel Create Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-bytes

Description Track Top-N entities for Uplink Bytes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-pkts

Description Track Top-N entities for Uplink Packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.89 visibility zbar

Configure zbar

zbar Specification

Type	*Configuration Resource*
Element Name	zbar
Element URI	/axapi/v3/visibility/zbar
Element Attributes	zbar_attributes
Schema	`zbar schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/zbar

zbar attributes

Get Object

GET

/axapi/v3/visibility/zbar

zbar attributes

Modify Object

POST

/axapi/v3/visibility/zbar

zbar attributes

Replace Object

PUT

/axapi/v3/visibility/zbar

zbar attributes

Delete Object

DELETE

/axapi/v3/visibility/zbar

zbar attributes

zbar attributes

action

Description 'enable': Enable zbar infra; 'disable': Disable zbar infra(default);

Type: string

Supported Values: enable, disable

Default: disable

dest

Description: dest is a **JSON Block**. Please see below for *dest*

Type: Object

Refernce Object: */axapi/v3/visibility/zbar/dest*

truples

Description: truples is a **JSON Block**. Please see below for *truples*

Type: Object

Refernce Object: */axapi/v3/visibility/zbar/truples*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dest

Specification	
Type	*object*

bad-sources

Description: bad-sources is a **JSON Block**. Please see below for *dest_bad-sources*

Type: Object

Refernce Object: */axapi/v3/visibility/zbar/dest/bad-sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dest_bad-sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

truples

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115.90 visibility zbar dest

Configure zbar destinations

dest Specification

Type	*Configuration Resource*
Element Name	dest
Element URI	/axapi/v3/visibility/zbar/dest
Element Attributes	dest_attributes
Operational Data URI	/axapi/v3/visibility/zbar/dest/oper
Schema	`dest schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/zbar/dest

dest attributes

Get Object

GET

/axapi/v3/visibility/zbar/dest

dest attributes

Modify Object

POST

/axapi/v3/visibility/zbar/dest

dest attributes

Replace Object

PUT

/axapi/v3/visibility/zbar/dest

dest attributes

Delete Object

DELETE

/axapi/v3/visibility/zbar/dest

dest attributes

dest attributes

bad-sources

Description: bad-sources is a **JSON Block**. Please see below for *bad-sources*

Type: Object

Refernce Object: */axapi/v3/visibility/zbar/dest/bad-sources*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bad-sources

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	protocol	string	protocol
	ipv4-addr	ipv4-address	ipv4-addr
	ipv6-addr	ipv6-address	ipv6-addr
	truple-count	number	truple-count
	zbar-multi-ind-list		zbar-multi-ind-list
	phase	string	phase
	port	number	port

2.115.91 visibility zbar dest bad-sources

Configure zbar dest bad sources

bad-sources Specification

Type	*Configuration Resource*
Element Name	bad-sources
Element URI	/axapi/v3/visibility/zbar/dest/bad-sources
Element Attributes	bad-sources_attributes
Operational Data URI	/axapi/v3/visibility/zbar/dest/bad-sources/oper
Schema	`bad-sources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/zbar/dest/bad-sources

bad-sources attributes

Get Object

GET

/axapi/v3/visibility/zbar/dest/bad-sources

bad-sources attributes

Modify Object

POST

/axapi/v3/visibility/zbar/dest/bad-sources

bad-sources attributes

Replace Object

PUT

/axapi/v3/visibility/zbar/dest/bad-sources

bad-sources attributes

Delete Object

DELETE

/axapi/v3/visibility/zbar/dest/bad-sources

bad-sources attributes

bad-sources attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	protocol	string	protocol
	ipv4-addr	ipv4-address	ipv4-addr
	ipv6-addr	ipv6-address	ipv6-addr
	port	number	port
	multi-bad-src-list		multi-bad-src-list

2.115.92 visibility zbar truples

Configure zbar truples

truples Specification

Type	*Configuration Resource*
Element Name	truples
Element URI	/axapi/v3/visibility/zbar/truples
Element Attributes	truples_attributes
Operational Data URI	/axapi/v3/visibility/zbar/truples/oper
Schema	`truples schema`

Operations Allowed:

Create Object

POST

/axapi/v3/visibility/zbar/truples

truples attributes

Get Object

GET

/axapi/v3/visibility/zbar/truples

truples attributes

Modify Object

POST

/axapi/v3/visibility/zbar/truples

truples attributes

Replace Object

PUT

/axapi/v3/visibility/zbar/truples

truples attributes

Delete Object

DELETE

/axapi/v3/visibility/zbar/truples

truples attributes

truples attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	src-ipv6-addr	ipv6-address	src-ipv6-addr
	protocol	string	protocol
	src-ipv4-addr	ipv4-address	src-ipv4-addr
	dest-ipv6-addr	ipv4-address	dest-ipv6-addr
	zbar-multi-ind-list		zbar-multi-ind-list
	dest-ipv4-addr	ipv4-address	dest-ipv4-addr
	phase	string	phase
	port	number	port

2.116 vpn

Objects:

2.116.1 vpn

VPN Commands

vpn Specification

Type	*Configuration Resource*
Element Name	vpn
Element URI	/axapi/v3/vpn
Element Attributes	vpn_attributes
Statistics Data URI	/axapi/v3/vpn/stats
Operational Data URI	/axapi/v3/vpn/oper
Schema	`vpn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn

vpn attributes

```
POST /axapi/v3/vpn
Payload:
{
    "vpn": {
        "asymmetric-flow-support": 1,
        "ike-gateway-list": [
            {
                "name": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/vpn

vpn attributes

```
GET /axapi/v3/vpn
Reponse:
{
```

(continues on next page)

(continued from previous page)


```
    "vpn": {
        "asymmetric-flow-support": 1,
        "stateful-mode": 0,
        "fragment-after-encap": 0,
        "nat-traversal-flow-affinity": 0,
        "tcp-mss-adjust-disable": 0,
        "ike-sa-timeout": 600,
        "ike-acc-enable": 0,
        "ipsec-error-dump": 0,
        "uuid": "292e8770-19de-11e9-9549-a73822acd584",
        "ike-stats-global": {
            "uuid": "292e8892-19de-11e9-9549-a73822acd584",
            "a10-url": "/axapi/v3/vpn/ike-stats-global"
        },
        "ike-gateway-list": [
            {
                "name": "a",
                "ike-version": "v2",
                "auth-method": "preshare-key",
                "dh-group": "1",
                "lifetime": 86400,
                "nat-traversal": 0,
                "disable-rekey": 0,
                "uuid": "03f2cd74-afbe-11e9-8d1d-000c298ae040",
                "a10-url": "/axapi/v3/vpn/ike-gateway/a"
            }
        ],
        "crl": {
            "uuid": "90de9f64-19ec-11e9-9fc7-d150edc24b5f",
            "a10-url": "/axapi/v3/vpn/crl"
        },
        "ocsp": {
            "uuid": "90dea086-19ec-11e9-9fc7-d150edc24b5f",
            "a10-url": "/axapi/v3/vpn/ocsp"
        },
        "ipsec-sa-by-gw": {
            "uuid": "dc2137b0-aa61-11e9-8c0d-79dc577100d6",
            "a10-url": "/axapi/v3/vpn/ipsec-sa-by-gw"
        },
        "ike-sa": {
            "uuid": "dc2138c8-aa61-11e9-8c0d-79dc577100d6",
            "a10-url": "/axapi/v3/vpn/ike-sa"
        },
        "ipsec-sa": {
            "uuid": "dc2139d6-aa61-11e9-8c0d-79dc577100d6",
            "a10-url": "/axapi/v3/vpn/ipsec-sa"
        },
        "a10-url": "/axapi/v3/vpn"
    }
}
```


Modify Object

POST

/axapi/v3/vpn

vpn attributes

Replace Object

PUT

/axapi/v3/vpn

vpn attributes

```
PUT /axapi/v3/vpn
Payload:
{
    "vpn": {
        "asymmetric-flow-support": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/vpn

vpn attributes

```
DELETE /axapi/v3/vpn
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vpn attributes

asymmetric-flow-support

Description Support asymmetric flows pass through IPsec tunnel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl

Description: crl is a **JSON Block**. Please see below for *crl*

Type: Object

Refernce Object: */axapi/v3/vpn/crl*

default

Description: default is a **JSON Block**. Please see below for *default*

Type: Object

Refernce Object: */axapi/v3/vpn/default*

error

Description: error is a **JSON Block**. Please see below for *error*

Type: Object

Refernce Object: */axapi/v3/vpn/error*

errordump

Description: errordump is a **JSON Block**. Please see below for *errordump*

Type: Object

Refernce Object: */axapi/v3/vpn/errordump*

extended-matching

Description Enable session extended matching for packet comes from IPsec tunnel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fragment-after-encap

Description Fragment after adding IPsec headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fragment-after-encap and jumbo-fragment are mutually exclusive

ike-acc-enable

Description Enable IKE Acceleration by Cavium Nitrox card

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ike-gateway-list

Type: List

Refernce Object: */axapi/v3/vpn/ike-gateway/{name}*

ike-sa

Description: ike-sa is a **JSON Block**. Please see below for *ike-sa*

Type: Object

Refernce Object: */axapi/v3/vpn/ike-sa*

ike-sa-brief

Description: ike-sa-brief is a **JSON Block**. Please see below for *ike-sa-brief*

Type: Object

Refernce Object: */axapi/v3/vpn/ike-sa-brief*

ike-sa-clients

Description: ike-sa-clients is a **JSON Block**. Please see below for *ike-sa-clients*

Type: Object

Refernce Object: */axapi/v3/vpn/ike-sa-clients*

ike-sa-timeout

Description Timeout IKE-SA in connecting state in seconds (default 600s)

Type: number

Range: 300-86400

Default: 600

ike-stats-by-gw

Description: ike-stats-by-gw is a **JSON Block**. Please see below for *ike-stats-by-gw*

Type: Object

Refernce Object: /axapi/v3/vpn/ike-stats-by-gw

ike-stats-global

Description: ike-stats-global is a **JSON Block**. Please see below for *ike-stats-global*

Type: Object

Refernce Object: /axapi/v3/vpn/ike-stats-global

ipsec-error-dump

Description Support record the error ipsec cavium information in dump file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec-list

Type: List

Refernce Object: */axapi/v3/vpn/ipsec/{name}*

ipsec-mgmt-default-policy-drop

Description Drop MGMT traffic that is not match ipsec tunnel, share partition only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec-sa

Description: ipsec-sa is a **JSON Block**. Please see below for *ipsec-sa*

Type: Object

Refernce Object: */axapi/v3/vpn/ipsec-sa*

ipsec-sa-by-gw

Description: ipsec-sa-by-gw is a **JSON Block**. Please see below for *ipsec-sa-by-gw*

Type: Object

Refernce Object: */axapi/v3/vpn/ipsec-sa-by-gw*

ipsec-sa-clients

Description: ipsec-sa-clients is a **JSON Block**. Please see below for *ipsec-sa-clients*

Type: Object

Refernce Object: */axapi/v3/vpn/ipsec-sa-clients*

ipsec-sa-stats-list

Type: List

Refernce Object: /axapi/v3/vpn/ipsec-sa-stats/{sampling-enable}

jumbo-fragment

Description Support IKE jumbo fragment packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: jumbo-fragment and fragment-after-encap are mutually exclusive

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

Refernce Object: */axapi/v3/vpn/log*

nat-traversal-flow-affinity

Description Choose IPsec UDP source port based on port of inner flow (only for A10 to A10)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocsp

Description: ocsp is a **JSON Block**. Please see below for *ocsp*

Type: Object

Refernce Object: */axapi/v3/vpn/ocsp*

revocation-list

Type: List

Refernce Object: */axapi/v3/vpn/revocation/{name}*

sampling-enable

Type: List

stateful-mode

Description VPN module will work in stateful mode and create sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-mss-adjust-disable

Description Disable TCP MSS adjustment in SYN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec-sa-stats-list

Specification	
Type	*list*
Block object keys	

sampling-enable

Type: List

ipsec-sa-stats-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-encrypted': Encrypted Packets; 'packets-decrypted': Decrypted Packets; 'anti-replay-num': Anti-Replay Failure; 'rekey-num': Rekey Times; 'packets-err-inactive': Inactive Error; 'packets-err-encryption': Encryption Error; 'packets-err-pad-check': Pad Check Error; 'packets-err-pkt-sanity': Packets Sanity Error; 'packets-err-icv-check': ICV Check Error; 'packets-err-lifetime-lifebytes': Lifetime Lifebytes Error; 'bytes-encrypted': Encrypted Bytes; 'bytes-decrypted': Decrypted Bytes; 'prefrag-success': Pre-frag Success; 'prefrag-error': Pre-frag Error; 'cavium-bytes-encrypted': CAVIUM Encrypted Bytes; 'cavium-bytes-decrypted': CAVIUM Decrypted Bytes; 'cavium-packets-encrypted': CAVIUM Encrypted Packets; 'cavium-packets-decrypted': CAVIUM Decrypted Packets; 'qat-bytes-encrypted': QAT Encrypted Bytes; 'qat-bytes-decrypted': QAT Decrypted

Bytes; 'qat-packets-encrypted': QAT Encrypted Packets; 'qat-packets-decrypted': QAT Decrypted Packets; 'tunnel-intf-down': Packet dropped: Tunnel Interface Down; 'pkt-fail-prep-to-send': Packet dropped: Failed in prepare to send; 'no-next-hop': Packet dropped: No next hop; 'invalid-tunnel-id': Packet dropped: Invalid tunnel ID; 'no-tunnel-found': Packet dropped: No tunnel found; 'pkt-fail-to-send': Packet dropped: Failed to send; 'frag-after-encap-frag-packets': Frag-after-encap Fragment Generated; 'frag-received': Fragment Received; 'sequence-num': Sequence Number; 'sequence-num-rollover': Sequence Number Rollover; 'packets-err-nh-check': Next Header Check Error;

Type: string

Supported Values: all, packets-encrypted, packets-decrypted, anti-replay-num, rekey-num, packets-err-inactive, packets-err-encryption, packets-err-pad-check, packets-err-pkt-sanity, packets-err-icv-check, packets-err-lifetime-lifebytes, bytes-encrypted, bytes-decrypted, prefrag-success, prefrag-error, cavium-bytes-encrypted, cavium-bytes-decrypted, cavium-packets-encrypted, cavium-packets-decrypted, qat-bytes-encrypted, qat-bytes-decrypted, qat-packets-encrypted, qat-packets-decrypted, tunnel-intf-down, pkt-fail-prep-to-send, no-next-hop, invalid-tunnel-id, no-tunnel-found, pkt-fail-to-send, frag-after-encap-frag-packets, frag-received, sequence-num, sequence-num-rollover, packets-err-nh-check

ike-sa-clients

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec-sa-clients

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ocsp

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ike-sa-brief

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec-sa-by-gw

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ike-gateway-list

Specification	
Type	*list*
Block object keys	

auth-method

Description 'preshare-key': Authenticate the remote gateway using a pre-shared key (Default); 'rsa-signature': Authenticate the remote gateway using an RSA certificate;

Type: string

Supported Values: preshare-key, rsa-signature, ecdsa-signature, eap-radius, eap-tls

Default: preshare-key

configuration-payload

Description 'dhcp': Enable DHCP configuration-payload; 'radius': Enable RADIUS configuration-payload;

Type: string

Supported Values: dhcp, radius

dh-group

Description '1': Diffie-Hellman group 1 (Default); '2': Diffie-Hellman group 2; '5': Diffie-Hellman group 5; '14': Diffie-Hellman group 14; '15': Diffie-Hellman group 15; '16': Diffie-Hellman group 16; '18': Diffie-Hellman group 18;

Type: string

Supported Values: 1, 2, 5, 14, 15, 16, 18, 19, 20

Default: 1

dhcp-server

Description: dhcp-server is a **JSON Block**. Please see below for *ike-gateway-list_dhcp-server*

Type: Object

disable-rekey

Description Disable initiating rekey

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dpd

Description: dpd is a **JSON Block**. Please see below for *ike-gateway-list_dpd*

Type: Object

enc-cfg

Type: List

ike-version

Description 'v1': IKEv1 key exchange; 'v2': IKEv2 key exchange;

Type: string

Supported Values: v1, v2

Default: v2

interface-management

Description only handle traffic on management interface, share partition only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key

Description Private Key

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

key-passphrase

Description Private Key Pass Phrase

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

key-passphrase-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED key string)

lifetime

Description IKE SA age in seconds

Type: number

Range: 300-86400

Default: 86400

local-address

Description: local-address is a **JSON Block**. Please see below for *ike-gateway-list_local-address*

Type: Object

local-cert

Description: local-cert is a **JSON Block**. Please see below for *ike-gateway-list_local-cert*

Type: Object

local-id

Description Local Gateway Identity

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

mode

Description 'main': Negotiate Main mode (Default); 'aggressive': Negotiate Aggressive mode;

Type: string

Supported Values: main, aggressive

Default: main

name

Description IKE-gateway name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

nat-traversal

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preshare-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED pre-shared key string)

preshare-key-value

Description pre-shared key

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

radius-server

Description: radius-server is a **JSON Block**. Please see below for *ike-gateway-list_radius-server*

Type: Object

remote-address

Description: remote-address is a **JSON Block**. Please see below for *ike-gateway-list_remote-address*

Type: Object

remote-ca-cert

Description: remote-ca-cert is a **JSON Block**. Please see below for *ike-gateway-list_remote-ca-cert*

Type: Object

remote-id

Description Remote Gateway Identity

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description: vrid is a **JSON Block**. Please see below for *ike-gateway-list_vrid*

Type: Object

ike-gateway-list_local-cert

Specification	
Type	*object*

local-cert-name

Description Certificate File Name

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

ike-gateway-list_dhcp-server

Specification	
Type	*object*

pri

Description: pri is a **JSON Block**. Please see below for *ike-gateway-list_dhcp-server_pri*

Type: Object

sec

Description: sec is a **JSON Block**. Please see below for *ike-gateway-list_dhcp-server_sec*

Type: Object

ike-gateway-list_dhcp-server_sec

Specification	
Type	*object*

dhcp-sec-ipv4

Description Secondary DHCP Server IP Address

Type: string

Format: ipv4-address

ike-gateway-list_dhcp-server_pri

Specification	
Type	*object*

dhcp-pri-ipv4

Description Primary DHCP Server IP Address

Type: string

Format: ipv4-address

ike-gateway-list_enc-cfg

Specification	
Type	*list*
Block object keys	

encryption

Description 'des': Data Encryption Standard algorithm; '3des': Triple Data Encryption Standard algorithm; 'aes-128': Advanced Encryption Standard algorithm (key size: 128 bits); 'aes-192': Advanced Encryption Standard algorithm (key size: 192 bits); 'aes-256': Advanced Encryption Standard algorithm (key size: 256 bits); 'null': No encryption algorithm, only for IKEv2;

Type: string

Supported Values: des, 3des, aes-128, aes-192, aes-256, aes-gcm-128, aes-gcm-192, aes-gcm-256, null

gcm_priority

Description Prioritizes (1-10) security protocol, least value has highest priority

Type: number

Range: 1-10

Default: 5

hash

Description 'md5': MD5 Dessage-Digest Algorithm; 'sha1': Secure Hash Algorithm 1; 'sha256': Secure Hash Algorithm 256;

Type: string

Supported Values: md5, sha1, sha256, sha384, sha512

prf

Description 'md5': MD5 Dessage-Digest Algorithm; 'sha1': Secure Hash Algorithm 1; 'sha256': Secure Hash Algorithm 256; 'sha384': Secure Hash Algorithm 384; 'sha512': Secure Hash Algorithm 512;

Type: string

Supported Values: md5, sha1, sha256, sha384, sha512

priority

Description Prioritizes (1-10) security protocol, least value has highest priority

Type: number

Range: 1-10

Default: 5

ike-gateway-list_vrid

Specification	
Type	*object*

vrid-num

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

Mutual Exclusion: vrid-num and default are mutually exclusive

ike-gateway-list_radius-server

Specification	
Type	*object*

radius-pri

Description Primary RADIUS Authentication Server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance*

radius-sec

Description Secondary RADIUS Authentication Server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance*

ike-gateway-list_local-address

Specification	
Type	*object*

local-ip

Description Ipv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: local-ip and local-ipv6 are mutually exclusive

local-ipv6

Description Ipv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: local-ipv6 and local-ip are mutually exclusive

ike-gateway-list_remote-address

Specification	
Type	*object*

dns

Description Remote IP based on Domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: dns remote-ip and remote-ipv6 are mutually exclusive

remote-ip

Description Ipv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: remote-ip dns and remote-ipv6 are mutually exclusive

remote-ipv6

Description Ipv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: remote-ipv6 remote-ip and dns are mutually exclusive

ike-gateway-list_remote-ca-cert

Specification	
Type	*object*

remote-cert-name

Description Remote CA certificate DN (C=, ST=, L=, O=, CN=) without emailAddress

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ike-gateway-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'v2-init-rekey': Initiate Rekey; 'v2-rsp-rekey': Respond Rekey; 'v2-child-sa-rekey': Child SA Rekey; 'v2-in-invalid': Incoming Invalid; 'v2-in-invalid-spi': Incoming Invalid SPI; 'v2-in-init-req': Incoming Init Request; 'v2-in-init-rsp': Incoming Init Response; 'v2-out-init-req': Outgoing Init Request; 'v2-out-init-rsp': Outgoing Init Response; 'v2-in-auth-req': Incoming Auth Request; 'v2-in-auth-rsp': Incoming Auth Response; 'v2-out-auth-req': Outgoing Auth Request; 'v2-out-auth-rsp': Outgoing Auth Response; 'v2-in-create-child-req': Incoming Create Child Request; 'v2-in-create-child-rsp': Incoming Create Child Response; 'v2-out-create-child-req': Outgoing Create Child Request; 'v2-out-create-child-rsp': Outgoing Create Child Response; 'v2-in-info-req': Incoming Info Request; 'v2-in-info-rsp': Incoming Info Response; 'v2-out-info-req': Outgoing Info Request; 'v2-out-info-rsp': Outgoing Info Response; 'v1-in-id-prot-req': Incoming ID Protection Request; 'v1-in-id-prot-rsp': Incoming ID Protection Response; 'v1-out-id-prot-req': Outgoing ID Protection Request; 'v1-out-id-prot-rsp': Outgoing ID Protection Response; 'v1-in-auth-only-req': Incoming Auth Only Request; 'v1-in-auth-only-rsp': Incoming Auth Only Response; 'v1-out-auth-only-req': Outgoing Auth Only Request; 'v1-out-auth-only-rsp': Outgoing Auth Only Response; 'v1-in-aggressive-req': Incoming Aggressive Request; 'v1-in-aggressive-rsp': Incoming Aggressive Response; 'v1-out-aggressive-req': Outgoing Aggressive Request; 'v1-out-aggressive-rsp': Outgoing Aggressive Response; 'v1-in-info-v1-req': Incoming Info Request; 'v1-in-info-v1-rsp': Incoming Info Response; 'v1-out-info-v1-req': Outgoing Info Request; 'v1-out-info-v1-rsp': Outgoing Info Response; 'v1-in-transaction-req': Incoming Transaction Request; 'v1-in-transaction-rsp': Incoming Transaction Response; 'v1-out-transaction-req': Outgoing Transaction Request; 'v1-out-transaction-rsp': Outgoing Transaction Response; 'v1-in-quick-mode-req': Incoming Quick Mode Request; 'v1-in-quick-mode-rsp': Incoming Quick Mode Response; 'v1-out-quick-mode-req': Outgoing Quick Mode Request; 'v1-out-quick-mode-rsp': Outgoing Quick Mode Response; 'v1-in-new-group-mode-req': Incoming New Group Mode Request; 'v1-in-new-group-mode-rsp': Incoming New Group Mode Response; 'v1-out-new-group-mode-req': Outgoing New Group Mode Request; 'v1-out-new-group-mode-rsp': Outgoing New Group Mode Response; 'v1-child-sa-invalid-spi': Invalid SPI for Child SAs; 'ike-current-version': IKE version;

Type: string

Supported Values: all, v2-init-rekey, v2-rsp-rekey, v2-child-sa-rekey, v2-in-invalid, v2-in-invalid-spi, v2-in-init-req, v2-in-init-rsp, v2-out-init-req, v2-out-init-rsp, v2-in-auth-req, v2-in-auth-rsp, v2-out-auth-req, v2-out-auth-rsp, v2-in-create-child-req, v2-in-create-child-rsp, v2-out-create-child-req, v2-out-create-child-rsp, v2-in-info-req, v2-in-info-rsp, v2-out-info-req, v2-out-info-rsp, v1-in-id-prot-req, v1-in-id-prot-rsp, v1-out-id-prot-req, v1-out-id-prot-rsp, v1-in-auth-only-req, v1-in-auth-only-rsp, v1-out-auth-only-req, v1-out-auth-only-rsp, v1-in-aggressive-req, v1-in-aggressive-rsp, v1-out-aggressive-req, v1-out-aggressive-rsp, v1-in-info-v1-req, v1-in-info-v1-rsp, v1-out-info-v1-req, v1-out-info-v1-rsp, v1-in-transaction-req, v1-in-transaction-rsp, v1-out-transaction-req, v1-out-transaction-rsp, v1-in-quick-mode-req, v1-in-quick-mode-rsp, v1-out-quick-mode-req, v1-out-quick-mode-rsp, v1-in-new-group-mode-req, v1-in-new-group-mode-rsp, v1-out-new-group-mode-req, v1-out-new-group-mode-rsp, v1-child-sa-invalid-spi, v2-child-sa-invalid-spi, ike-current-version

ike-gateway-list_dpd

Specification	
Type	*object*

interval

Description Interval time in seconds

Type: number

Range: 10-3600

retry

Description Retry times

Type: number

Range: 1-10

ike-stats-by-gw

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ike-stats-global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ike-stats-global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'v2-init-rekey': Initiate Rekey; 'v2-rsp-rekey': Respond Rekey; 'v2-child-sa-rekey': Child SA Rekey; 'v2-in-invalid': Incoming Invalid; 'v2-in-invalid-spi': Incoming Invalid SPI; 'v2-in-init-req': Incoming Init Request; 'v2-in-init-rsp': Incoming Init Response; 'v2-out-init-req': Outgoing Init Request; 'v2-out-init-rsp': Outgoing Init Response; 'v2-in-auth-req': Incoming Auth Request; 'v2-in-auth-rsp': Incoming Auth Response; 'v2-out-auth-req': Outgoing Auth Request; 'v2-out-auth-rsp': Outgoing Auth Response; 'v2-in-create-child-req': Incoming Create Child Request; 'v2-in-create-child-rsp': Incoming Create Child Response; 'v2-out-create-child-req': Outgoing Create Child Request; 'v2-out-create-child-rsp': Outgoing Create Child Response; 'v2-in-info-req': Incoming Info Request; 'v2-in-info-rsp': Incoming Info Response; 'v2-out-info-req': Outgoing Info Request; 'v2-out-info-rsp': Outgoing Info Response; 'v1-in-id-prot-req': Incoming ID Protection Request; 'v1-in-id-prot-rsp': Incoming ID Protection Response; 'v1-out-id-prot-req': Outgoing ID Protection Request; 'v1-out-id-prot-rsp': Outgoing ID Protection Response; 'v1-in-auth-only-req': Incoming Auth Only Request; 'v1-in-auth-only-rsp': Incoming Auth Only Response; 'v1-out-auth-only-req': Outgoing Auth Only Request; 'v1-out-auth-only-rsp': Outgoing Auth Only Response; 'v1-in-aggressive-req': Incoming Aggressive Request; 'v1-in-aggressive-rsp': Incoming Aggressive Response; 'v1-out-aggressive-req': Outgoing Aggressive Request; 'v1-out-aggressive-rsp': Outgoing Aggressive Response; 'v1-in-info-v1-req': Incoming Info Request; 'v1-in-info-v1-rsp': Incoming Info Response; 'v1-out-info-v1-req': Outgoing Info Request; 'v1-out-info-v1-rsp': Outgoing Info Response; 'v1-in-transaction-req': Incoming Transaction Request; 'v1-in-transaction-rsp': Incoming Transaction Response; 'v1-out-transaction-req': Outgoing Transaction Request; 'v1-out-transaction-rsp': Outgoing Transaction Response; 'v1-in-quick-mode-req': Incoming Quick Mode Request; 'v1-in-quick-mode-rsp': Incoming Quick Mode Response; 'v1-out-quick-mode-req': Outgoing Quick Mode Request; 'v1-out-quick-mode-rsp': Outgoing Quick Mode Response; 'v1-in-new-group-mode-req': Incoming

New Group Mode Request; 'v1-in-new-group-mode-rsp': Incoming New Group Mode Response; 'v1-out-new-group-mode-req': Outgoing New Group Mode Request; 'v1-out-new-group-mode-rsp': Outgoing New Group Mode Response;

Type: string

Supported Values: all, v2-init-rekey, v2-rsp-rekey, v2-child-sa-rekey, v2-in-invalid, v2-in-invalid-spi, v2-in-init-req, v2-in-init-rsp, v2-out-init-req, v2-out-init-rsp, v2-in-auth-req, v2-in-auth-rsp, v2-out-auth-req, v2-out-auth-rsp, v2-in-create-child-req, v2-in-create-child-rsp, v2-out-create-child-req, v2-out-create-child-rsp, v2-in-info-req, v2-in-info-rsp, v2-out-info-req, v2-out-info-rsp, v1-in-id-prot-req, v1-in-id-prot-rsp, v1-out-id-prot-req, v1-out-id-prot-rsp, v1-in-auth-only-req, v1-in-auth-only-rsp, v1-out-auth-only-req, v1-out-auth-only-rsp, v1-in-aggressive-req, v1-in-aggressive-rsp, v1-out-aggressive-req, v1-out-aggressive-rsp, v1-in-info-v1-req, v1-in-info-v1-rsp, v1-out-info-v1-req, v1-out-info-v1-rsp, v1-in-transaction-req, v1-in-transaction-rsp, v1-out-transaction-req, v1-out-transaction-rsp, v1-in-quick-mode-req, v1-in-quick-mode-rsp, v1-out-quick-mode-req, v1-out-quick-mode-rsp, v1-in-new-group-mode-req, v1-in-new-group-mode-rsp, v1-out-new-group-mode-req, v1-out-new-group-mode-rsp

revocation-list

Specification	
Type	*list*
Block object keys	

ca

Description Certificate Authority file name

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl

Description: crl is a **JSON Block**. Please see below for *revocation-list_crl*

Type: Object

name

Description Revocation name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ocsp

Description: ocsp is a **JSON Block**. Please see below for *revocation-list_ocsp*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

revocation-list_ocsp

Specification	
Type	*object*

ocsp-pri

Description Primary OCSP Authentication Server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance*

ocsp-sec

Description Secondary OCSP Authentication Server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance*

revocation-list_crl

Specification	
Type	*object*

crl-pri

Description Primary CRL URL (http://www.example.com/ocsp) (only .der filetypes)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-sec

Description Secondary CRL URL (http://www.example.com/ocsp) (only .der filetypes)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ipsec-sa

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

default

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ike-sa

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'passthrough': passthrough;

Type: string

Supported Values: all, passthrough, ha-standby-drop

errordump

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

error

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec-list

Specification	
Type	*list*
Block object keys	

anti-replay-window

Description '0': Disable Anti-Replay Window Check; '32': Window Size of 32; '64': Window Size of 64; '128': Window Size of 128; '256': Window Size of 256; '512': Window Size of 512; '1024': Window Size of 1024;

Type: string

Supported Values: 0, 32, 64, 128, 256, 512, 1024

Default: 0

bind-tunnel

Description: bind-tunnel is a **JSON Block**. Please see below for *ipsec-list_bind-tunnel*

Type: Object

Refernce Object: */axapi/v3/vpn/ipsec/{name}/bind-tunnel*

dh-group

Description '0': Diffie-Hellman group 0 (Default); '1': Diffie-Hellman group 1; '2': Diffie-Hellman group 2; '5': Diffie-Hellman group 5; '14': Diffie-Hellman group 14; '15': Diffie-Hellman group 15; '16': Diffie-Hellman group 16; '18': Diffie-Hellman group 18;

Type: string

Supported Values: 0, 1, 2, 5, 14, 15, 16, 18, 19, 20

Default: 0

dscp

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,

17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

enc-cfg

Type: List

enforce-traffic-selector

Description Enforce Traffic Selector

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec-gateway

Description: ipsec-gateway is a **JSON Block**. Please see below for *ipsec-list_ipsec-gateway*

Type: Object

Refernce Object: */axapi/v3/vpn/ipsec/{name}/ipsec-gateway*

lifebytes

Description IPsec SA age in megabytes (0 indicates unlimited bytes)

Type: number

Range: 0-8000000

Default: 0

lifetime

Description IPsec SA age in seconds

Type: number

Range: 300-28800

Default: 28800

mode

Description 'tunnel': Encapsulating the packet in IPsec tunnel mode (Default);

Type: string

Supported Values: tunnel

Default: tunnel

name

Description IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

proto

Description 'esp': Encapsulating security protocol (Default);

Type: string

Supported Values: esp

Default: esp

sampling-enable

Type: List

sequence-number-disable

Description Do not use incremental sequence number in the ESP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-selector

Description: traffic-selector is a **JSON Block**. Please see below for *ipsec-list_traffic-selector*

Type: Object

up

Description Initiates SA negotiation to bring the IPsec connection up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec-list_traffic-selector

Specification	
Type	*object*

ipv4

Description: ipv4 is a **JSON Block**. Please see below for *ipsec-list_traffic-selector_ipv4*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipsec-list_traffic-selector_ipv6*

Type: Object

ipsec-list_traffic-selector_ipv4

Specification	
Type	*object*

local

Description Local Traffic Selector

Type: string

Format: ipv4-address

Mutual Exclusion: local and localv6 are mutually exclusive

local_netmask

Description IPv4 Address Network Mask

Type: string

Format: ipv4-netmask

local_port

Description Port Number

Type: number

Range: 0-65535

protocol

Description IP Protocol Number (0-255)

Type: number

Range: 0-255

remote-ip

Description IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: remote-ip and remote-ipv4-assigned are mutually exclusive

remote-ipv4-assigned

Description Remote IP address assigned

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: remote-ipv4-assigned and remote-ip are mutually exclusive

remote_netmask

Description IPv4 Address Network Mask

Type: string

Format: ipv4-netmask

remote_port

Description Port Number

Type: number

Range: 0-65535

ipsec-list_traffic-selector_ipv6

Specification	
Type	*object*

local_portv6

Description Port Number

Type: number

Range: 0-65535

localv6

Description Local Traffic Selector

Type: string

Format: ipv6-address-plen

Mutual Exclusion: localv6 and local are mutually exclusive

protocolv6

Description IP Protocol Number (0-255)

Type: number

Range: 0-255

remote-ipv6

Description IPv6 Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: remote-ipv6 and remote-ipv6-assigned are mutually exclusive

remote-ipv6-assigned

Description Remote IPv6 address assigned

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: remote-ipv6-assigned and remote-ipv6 are mutually exclusive

remote_portv6

Description Port Number

Type: number

Range: 0-65535

ipsec-list_bind-tunnel

Specification	
Type	*object*

next-hop

Description IPsec Next Hop IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: next-hop and next-hop-v6 are mutually exclusive

next-hop-v6

Description IPsec Next Hop IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: next-hop-v6 and next-hop are mutually exclusive

tunnel

Description Tunnel interface index

Type: number

Range: 1-128

Refernce Object: */axapi/v3/interface/tunnel*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-encrypted': Encrypted Packets; 'packets-decrypted': Decrypted Packets; 'anti-replay-num': Anti-Replay Failure; 'rekey-num': Rekey Times; 'packets-err-inactive': Inactive Error; 'packets-err-encryption': Encryption Error; 'packets-err-pad-check': Pad Check Error; 'packets-err-pkt-sanity': Packets Sanity Error; 'packets-err-icv-check': ICV Check Error; 'packets-err-lifetime-lifebytes': Lifetime Lifebytes Error; 'bytes-encrypted': Encrypted Bytes; 'bytes-decrypted': Decrypted Bytes; 'prefrag-success': Pre-frag Success; 'prefrag-error': Pre-frag Error; 'cavium-bytes-encrypted': CAVIUM Encrypted Bytes; 'cavium-bytes-decrypted': CAVIUM Decrypted Bytes; 'cavium-packets-encrypted': CAVIUM Encrypted Packets; 'cavium-packets-decrypted': CAVIUM Decrypted Packets; 'tunnel-intf-down': Packet dropped: Tunnel Interface Down; 'pkt-fail-prep-to-send': Packet dropped: Failed in prepare to send; 'no-next-hop': Packet dropped: No next hop; 'invalid-tunnel-id': Packet dropped: Invalid tunnel ID; 'no-tunnel-found': Packet dropped: No tunnel found; 'pkt-fail-to-send': Packet dropped: Failed to send;

Type: string

Supported Values: all, packets-encrypted, packets-decrypted, anti-replay-num, rekey-num, packets-err-inactive, packets-err-encryption, packets-err-pad-check, packets-err-pkt-sanity, packets-err-icv-check, packets-err-lifetime-lifebytes, bytes-encrypted, bytes-decrypted, prefrag-success, prefrag-error, cavium-bytes-encrypted, cavium-bytes-decrypted, cavium-packets-encrypted, cavium-packets-decrypted, qat-bytes-encrypted, qat-bytes-decrypted, qat-packets-encrypted, qat-packets-decrypted, tunnel-intf-down, pkt-fail-prep-to-send, no-next-hop, invalid-tunnel-id, no-tunnel-found, pkt-fail-to-send, frag-after-encap-frag-packets, frag-received, sequence-num, sequence-num-rollover, packets-err-nh-check

ipsec-list_ipsec-gateway

Specification	
Type	*object*

ike-gateway

Description Gateway to use for IPsec SA

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ike-gateway*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec-list_enc-cfg

Specification	
Type	*list*
Block object keys	

encryption

Description 'des': Data Encryption Standard algorithm; '3des': Triple Data Encryption Standard algorithm; 'aes-128': Advanced Encryption Standard algorithm (key size: 128 bits); 'aes-192': Advanced Encryption Standard algorithm (key size: 192 bits); 'aes-256': Advanced Encryption Standard algorithm (key size: 256 bits); 'null': No encryption algorithm;

Type: string

Supported Values: des, 3des, aes-128, aes-192, aes-256, aes-gcm-128, aes-gcm-192, aes-gcm-256, null

gcm_priority

Description Prioritizes (1-10) security protocol, least value has highest priority

Type: number

Range: 1-10

Default: 5

hash

Description 'md5': MD5 Dessage-Digest Algorithm; 'sha1': Secure Hash Algorithm 1; 'sha256': Secure Hash Algorithm 256; 'null': No hash algorithm;

Type: string

Supported Values: md5, sha1, sha256, sha384, sha512, null

priority

Description Prioritizes (1-10) security protocol, least value has highest priority

Type: number

Range: 1-10

Default: 5

crl

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	passthrough	8	passthrough
	ha-standby-drop	8	ha-standby-drop

operational data

	Counter	Size	Description
	all-partitions	flag	all-partitions
	Num-hardware-devices	number	Num-hardware-devices
	IPsec-mode	string	IPsec-mode
	specific-partition	string	specific-partition
	IKE-Gateway-total	number	IKE-Gateway-total
	all-partition-list		all-partition-list
	IPsec-SA-total	number	IPsec-SA-total
	Crypto-cores-assigned-to-IPsec	number	Crypto-cores-assigned-to-IPsec
	IKE-SA-total	number	IKE-SA-total
	Crypto-cores-total	number	Crypto-cores-total
	IPsec-total	number	IPsec-total
	shared	flag	shared
	Crypto-mem	number	Crypto-mem

2.116.2 vpn crl

VPN Certificate Revocation List

crl Specification

Type	*Configuration Resource*
Element Name	crl
Element URI	/axapi/v3/vpn/crl
Element Attributes	crl_attributes
Operational Data URI	/axapi/v3/vpn/crl/oper
Schema	`crl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/crl

crl attributes

Get Object

GET

/axapi/v3/vpn/crl

crl attributes

Modify Object

POST

/axapi/v3/vpn/crl

crl attributes

Replace Object

PUT

/axapi/v3/vpn/crl

crl attributes

Delete Object

DELETE

/axapi/v3/vpn/crl

crl attributes

crl attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	total-crls	number	total-crls
	crl-list		crl-list

2.116.3 vpn ike-gateway

IKE-gateway settings

ike-gateway Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*ike-gateway-list*
Collection URI	/axapi/v3/vpn/ike-gateway
Element Name	ike-gateway
Element URI	/axapi/v3/vpn/ike-gateway/{name}
Element Attributes	ike-gateway_attributes
Statistics Data URI	/axapi/v3/vpn/ike-gateway/{name}/stats
Operational Data URI	/axapi/v3/vpn/ike-gateway/{name}/oper
Schema	`ike-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/ike-gateway

ike-gateway attributes

```
POST /axapi/v3/vpn/ike-gateway/
Payload:
{
    "ike-gateway": {
        "name": "a",
```

(continues on next page)

(continued from previous page)

```
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/vpn/ike-gateway

ike-gateway attributes

Get Object

GET

/axapi/v3/vpn/ike-gateway/{name}

ike-gateway attributes

```
GET /axapi/v3/vpn/ike-gateway/a
Reponse:
{
    "ike-gateway": {
        "name": "a",
        "ike-version": "v2",
        "auth-method": "preshare-key",
        "dh-group": "1",
        "lifetime": 86400,
        "nat-traversal": 0,
        "disable-rekey": 0,
        "uuid": "8ab2d2b4-afbe-11e9-8d1d-000c298ae040",
        "user-tag": "a",
        "a10-url": "/axapi/v3/vpn/ike-gateway/a"
    }
}
```

Get List

GET

/axapi/v3/vpn/ike-gateway

ike-gateway-list

Modify Object

POST

/axapi/v3/vpn/ike-gateway/{name}

ike-gateway attributes

Replace Object

PUT

/axapi/v3/vpn/ike-gateway/{name}

ike-gateway attributes

```
PUT /axapi/v3/vpn/ike-gateway/a
Payload:
{
    "ike-gateway": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/vpn/ike-gateway

ike-gateway-list

Delete Object

DELETE

/axapi/v3/vpn/ike-gateway/{name}

ike-gateway attributes

```
DELETE /axapi/v3/vpn/ike-gateway/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ike-gateway-list

ike-gateway-list is **JSON List** of *ike-gateway attributes*

ike-gateway-list : [

{ *ike-gateway attributes* },

{ *ike-gateway attributes* },

...

]

ike-gateway attributes

auth-method

Description 'preshare-key': Authenticate the remote gateway using a pre-shared key (Default); 'rsa-signature': Authenticate the remote gateway using an RSA certificate; 'ecdsa-signature': Authenticate the remote gateway using an ECDSA certificate;

Type: string

Supported Values: preshare-key, rsa-signature, ecdsa-signature, eap-radius, eap-tls

Default: preshare-key

configuration-payload

Description 'dhcp': Enable DHCP configuration-payload; 'radius': Enable RADIUS configuration-payload;

Type: string

Supported Values: dhcp, radius

dh-group

Description '1': Diffie-Hellman group 1 - 768-bit(Default); '2': Diffie-Hellman group 2 - 1024-bit; '5': Diffie-Hellman group 5 - 1536-bit; '14': Diffie-Hellman group 14 - 2048-bit; '15': Diffie-Hellman group 15 - 3072-bit; '16': Diffie-Hellman group 16 - 4096-bit; '18': Diffie-Hellman group 18 - 8192-bit; '19': Diffie-Hellman group 19 - 256-bit Elliptic Curve; '20': Diffie-Hellman group 20 - 384-bit Elliptic Curve;

Type: string

Supported Values: 1, 2, 5, 14, 15, 16, 18, 19, 20

Default: 1

dhcp-server

Description: dhcp-server is a **JSON Block**. Please see below for *dhcp-server*

Type: Object

disable-rekey

Description Disable initiating rekey

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dpd

Description: dpd is a **JSON Block**. Please see below for *dpd*

Type: Object

enc-cfg

Type: List

ike-version

Description 'v1': IKEv1 key exchange; 'v2': IKEv2 key exchange;

Type: string

Supported Values: v1, v2

Default: v2

interface-management

Description only handle traffic on management interface, share partition only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key

Description Private Key

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

key-passphrase

Description Private Key Pass Phrase

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

key-passphrase-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED key string)

lifetime

Description IKE SA age in seconds

Type: number

Range: 300-86400

Default: 86400

local-address

Description: local-address is a **JSON Block**. Please see below for *local-address*

Type: Object

local-cert

Description: local-cert is a **JSON Block**. Please see below for *local-cert*

Type: Object

local-id

Description Local Gateway Identity

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

mode

Description 'main': Negotiate Main mode (Default); 'aggressive': Negotiate Aggressive mode;

Type: string

Supported Values: main, aggressive

Default: main

name

Description IKE-gateway name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

nat-traversal

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preshare-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED pre-shared key string)

preshare-key-value

Description pre-shared key

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

radius-server

Description: radius-server is a **JSON Block**. Please see below for *radius-server*

Type: Object

remote-address

Description: remote-address is a **JSON Block**. Please see below for *remote-address*

Type: Object

remote-ca-cert

Description: remote-ca-cert is a **JSON Block**. Please see below for *remote-ca-cert*

Type: Object

remote-id

Description Remote Gateway Identity

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description: vrid is a **JSON Block**. Please see below for *vrid*

Type: Object

local-cert

Specification	
Type	*object*

local-cert-name

Description Certificate File Name

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

dhcp-server

Specification	
Type	*object*

pri

Description: pri is a **JSON Block**. Please see below for *dhcp-server_pri*

Type: Object

sec

Description: sec is a **JSON Block**. Please see below for *dhcp-server_sec*

Type: Object

dhcp-server_sec

Specification	
Type	*object*

dhcp-sec-ipv4

Description Secondary DHCP Server IP Address

Type: string

Format: ipv4-address

dhcp-server_pri

Specification	
Type	*object*

dhcp-pri-ipv4

Description Primary DHCP Server IP Address

Type: string

Format: ipv4-address

enc-cfg

Specification	
Type	*list*
Block object keys	

encryption

Description 'des': Data Encryption Standard algorithm; '3des': Triple Data Encryption Standard algorithm; 'aes-128': Advanced Encryption Standard algorithm (key size: 128 bits); 'aes-192': Advanced Encryption Standard algorithm (key size: 192 bits); 'aes-256': Advanced Encryption Standard algorithm (key size: 256 bits); 'null': No encryption algorithm, only for IKEv2;

Type: string

Supported Values: des, 3des, aes-128, aes-192, aes-256, aes-gcm-128, aes-gcm-192, aes-gcm-256, null

gcm_priority

Description Prioritizes (1-10) security protocol, least value has highest priority

Type: number

Range: 1-10

Default: 5

hash

Description 'md5': MD5 Dessage-Digest Algorithm; 'sha1': Secure Hash Algorithm 1; 'sha256': Secure Hash Algorithm 256;

Type: string

Supported Values: md5, sha1, sha256, sha384, sha512

prf

Description 'md5': MD5 Dessage-Digest Algorithm; 'sha1': Secure Hash Algorithm 1; 'sha256': Secure Hash Algorithm 256; 'sha384': Secure Hash Algorithm 384; 'sha512': Secure Hash Algorithm 512;

Type: string

Supported Values: md5, sha1, sha256, sha384, sha512

priority

Description Prioritizes (1-10) security protocol, least value has highest priority

Type: number

Range: 1-10

Default: 5

vrid

Specification	
Type	*object*

vrid-num

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

Mutual Exclusion: vrid-num and default are mutually exclusive

radius-server

Specification	
Type	*object*

radius-pri

Description Primary RADIUS Authentication Server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance*

radius-sec

Description Secondary RADIUS Authentication Server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/radius/instance*

local-address

Specification	
Type	*object*

local-ip

Description Ipv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: local-ip and local-ipv6 are mutually exclusive

local-ipv6

Description Ipv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: local-ipv6 and local-ip are mutually exclusive

remote-address

Specification	
Type	*object*

dns

Description Remote IP based on Domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: dns remote-ip and remote-ipv6 are mutually exclusive

remote-ip

Description Ipv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: remote-ip dns and remote-ipv6 are mutually exclusive

remote-ipv6

Description Ipv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: remote-ipv6 remote-ip and dns are mutually exclusive

remote-ca-cert

Specification	
Type	*object*

remote-cert-name

Description Remote CA certificate DN (C=, ST=, L=, O=, CN=) without emailAddress

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'v2-init-rekey': Initiate Rekey; 'v2-rsp-rekey': Respond Rekey; 'v2-child-sa-rekey': Child SA Rekey; 'v2-in-invalid': Incoming Invalid; 'v2-in-invalid-spi': Incoming Invalid SPI; 'v2-in-init-req': Incoming Init Request; 'v2-in-init-rsp': Incoming Init Response; 'v2-out-init-req': Outgoing Init Request; 'v2-out-init-rsp': Outgoing Init Response; 'v2-in-auth-req': Incoming Auth Request; 'v2-in-auth-rsp': Incoming Auth Response; 'v2-out-auth-req': Outgoing Auth Request; 'v2-out-auth-rsp': Outgoing Auth Response; 'v2-in-create-child-req': Incoming Create Child Request; 'v2-in-create-child-rsp': Incoming Create Child Response; 'v2-out-create-child-req': Outgoing Create Child Request; 'v2-out-create-child-rsp': Outgoing Create Child Response; 'v2-in-info-req': Incoming Info Request; 'v2-in-info-rsp': Incoming Info Response; 'v2-out-info-req': Outgoing Info Request; 'v2-out-info-rsp': Outgoing Info Response; 'v1-in-id-prot-req': Incoming ID Protection Request; 'v1-in-id-prot-rsp': Incoming ID Protection Response; 'v1-out-id-prot-req': Outgoing ID Protection Request; 'v1-out-id-prot-rsp': Outgoing ID Protection Response; 'v1-in-auth-only-req': Incoming Auth Only Request; 'v1-in-auth-only-rsp': Incoming Auth Only Response; 'v1-out-auth-only-req': Outgoing Auth Only Request; 'v1-out-auth-only-rsp': Outgoing Auth Only Response; 'v1-in-aggressive-req': Incoming Aggressive Request; 'v1-in-aggressive-rsp': Incoming Aggressive Response; 'v1-out-aggressive-req': Outgoing Aggressive Request; 'v1-out-aggressive-rsp': Outgoing Aggressive Response; 'v1-in-info-v1-req': Incoming Info Request; 'v1-in-info-v1-rsp': Incoming Info Response; 'v1-out-info-v1-req': Outgoing Info Request; 'v1-out-info-v1-rsp': Outgoing Info Response; 'v1-in-transaction-req': Incoming Transaction

Request; 'v1-in-transaction-rsp': Incoming Transaction Response; 'v1-out-transaction-req': Outgoing Transaction Request; 'v1-out-transaction-rsp': Outgoing Transaction Response; 'v1-in-quick-mode-req': Incoming Quick Mode Request; 'v1-in-quick-mode-rsp': Incoming Quick Mode Response; 'v1-out-quick-mode-req': Outgoing Quick Mode Request; 'v1-out-quick-mode-rsp': Outgoing Quick Mode Response; 'v1-in-new-group-mode-req': Incoming New Group Mode Request; 'v1-in-new-group-mode-rsp': Incoming New Group Mode Response; 'v1-out-new-group-mode-req': Outgoing New Group Mode Request; 'v1-out-new-group-mode-rsp': Outgoing New Group Mode Response; 'v1-child-sa-invalid-spi': Invalid SPI for Child SAs; 'ike-current-version': IKE version;

Type: string

Supported Values: all, v2-init-rekey, v2-rsp-rekey, v2-child-sa-rekey, v2-in-invalid, v2-in-invalid-spi, v2-in-init-req, v2-in-init-rsp, v2-out-init-req, v2-out-init-rsp, v2-in-auth-req, v2-in-auth-rsp, v2-out-auth-req, v2-out-auth-rsp, v2-in-create-child-req, v2-in-create-child-rsp, v2-out-create-child-req, v2-out-create-child-rsp, v2-in-info-req, v2-in-info-rsp, v2-out-info-req, v2-out-info-rsp, v1-in-id-prot-req, v1-in-id-prot-rsp, v1-out-id-prot-req, v1-out-id-prot-rsp, v1-in-auth-only-req, v1-in-auth-only-rsp, v1-out-auth-only-req, v1-out-auth-only-rsp, v1-in-aggressive-req, v1-in-aggressive-rsp, v1-out-aggressive-req, v1-out-aggressive-rsp, v1-in-info-v1-req, v1-in-info-v1-rsp, v1-out-info-v1-req, v1-out-info-v1-rsp, v1-in-transaction-req, v1-in-transaction-rsp, v1-out-transaction-req, v1-out-transaction-rsp, v1-in-quick-mode-req, v1-in-quick-mode-rsp, v1-out-quick-mode-req, v1-out-quick-mode-rsp, v1-in-new-group-mode-req, v1-in-new-group-mode-rsp, v1-out-new-group-mode-req, v1-out-new-group-mode-rsp, v1-child-sa-invalid-spi, v2-child-sa-invalid-spi, ike-current-version

dpd

Specification	
Type	*object*

interval

Description Interval time in seconds

Type: number

Range: 10-3600

retry

Description Retry times

Type: number

Range: 1-10

stats data

	Counter	Size	Description
	v1-in-id-prot-rsp	8	Incoming ID Protection Response
	v1-in-auth-only-rsp	8	Incoming Auth Only Response
	v1-out-new-group-mode-rsp	8	Outgoing New Group Mode Response
	v1-out-aggressive-req	8	Outgoing Aggressive Request
	v2-child-sa-rekey	8	Child SA Rekey
	ike-current-version	8	IKE version
	v2-out-auth-req	8	Outgoing Auth Request
	v2-rsp-rekey	8	Respond Rekey
	v2-out-info-req	8	Outgoing Info Request
	v2-out-init-req	8	Outgoing Init Request
	v1-in-info-v1-rsp	8	Incoming Info Response
	v1-out-id-prot-req	8	Outgoing ID Protection Request
	v2-in-invalid	8	Incoming Invalid
	v1-in-aggressive-req	8	Incoming Aggressive Request
	v1-child-sa-invalid-spi	8	Invalid SPI for Child SAs
	v2-in-info-rsp	8	Incoming Info Response
	v1-out-quick-mode-req	8	Outgoing Quick Mode Request
	v2-out-auth-rsp	8	Outgoing Auth Response
	v1-in-auth-only-req	8	Incoming Auth Only Request
	v1-in-aggressive-rsp	8	Incoming Aggressive Response
	v2-in-create-child-req	8	Incoming Create Child Request
	v2-out-info-rsp	8	Outgoing Info Response

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Table 2.74 – continued from previous page

	Counter	Size	Description
	v2-out-create-child-req	8	Outgoing Create Child Request
	v2-in-auth-rsp	8	Incoming Auth Response
	v2-in-init-req	8	Incoming Init Request
	v1-out-info-v1-req	8	Outgoing Info Request
	v2-init-rekey	8	Initiate Rekey
	v1-out-transaction-rsp	8	Outgoing Transaction Response
	v1-out-quick-mode-rsp	8	Outgoing Quick Mode Response
	v1-out-auth-only-rsp	8	Outgoing Auth Only Response
	v1-out-auth-only-req	8	Outgoing Auth Only Request
	v1-in-quick-mode-rsp	8	Incoming Quick Mode Response
	v1-in-new-group-mode-req	8	Incoming New Group Mode Request
	v1-out-id-prot-rsp	8	Outgoing ID Protection Response
	v1-in-transaction-rsp	8	Incoming Transaction Response
	v2-in-info-req	8	Incoming Info Request
	v1-in-transaction-req	8	Incoming Transaction Request
	v1-in-quick-mode-req	8	Incoming Quick Mode Request
	v1-in-info-v1-req	8	Incoming Info Request
	v2-in-invalid-spi	8	Incoming Invalid SPI
	v2-out-init-rsp	8	Outgoing Init Response
	v1-out-transaction-req	8	Outgoing Transaction Request
	v1-out-new-group-mode-req	8	Outgoing New Group Mode Request

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Table 2.74 – continued from previous page

	Counter	Size	Description
	v2-child-sa-invalid-spi	8	Invalid SPI for Child SAs
	v1-out-info-v1-rsp	8	Outgoing Info Response
	v2-in-init-rsp	8	Incoming Init Response
	v2-in-create-child-rsp	8	Incoming Create Child Response
	v2-in-auth-req	8	Incoming Auth Request
	v1-in-id-prot-req	8	Incoming ID Protection Request
	v1-in-new-group-mode-rsp	8	Incoming New Group Mode Response
	v2-out-create-child-rsp	8	Outgoing Create Child Response
	v1-out-aggressive-rsp	8	Outgoing Aggressive Response

operational data

	Counter	Size	Description
	SA-List		SA-List
	remote-ip-filter	string	remote-ip-filter
	brief-filter	string	brief-filter
	remote-id-filter	string	remote-id-filter

2.116.4 vpn ike-sa

Get IKE SAs

ike-sa Specification

Type	*Configuration Resource*
Element Name	ike-sa
Element URI	/axapi/v3/vpn/ike-sa
Element Attributes	ike-sa_attributes
Operational Data URI	/axapi/v3/vpn/ike-sa/oper
Schema	`ike-sa schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/ike-sa

ike-sa attributes

Get Object

GET

/axapi/v3/vpn/ike-sa

ike-sa attributes

Modify Object

POST

/axapi/v3/vpn/ike-sa

ike-sa attributes

Replace Object

PUT

/axapi/v3/vpn/ike-sa

ike-sa attributes

Delete Object

DELETE

/axapi/v3/vpn/ike-sa

ike-sa attributes

ike-sa attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ike-sa-list		ike-sa-list

2.116.5 vpn ipsec

IPsec settings

ipsec Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*ipsec-list*
Collection URI	/axapi/v3/vpn/ipsec
Element Name	ipsec
Element URI	/axapi/v3/vpn/ipsec/{name}
Element Attributes	ipsec_attributes
Statistics Data URI	/axapi/v3/vpn/ipsec/{name}/stats
Operational Data URI	/axapi/v3/vpn/ipsec/{name}/oper
Schema	`ipsec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/ipsec

ipsec attributes

```
POST /axapi/v3/vpn/ipsec/
Payload:
{
    "ipsec": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/vpn/ipsec

ipsec attributes

Get Object

GET

/axapi/v3/vpn/ipsec/{name}

ipsec attributes

```
GET /axapi/v3/vpn/ipsec/a
Reponse:
{
```

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```
    "ipsec": {
        "name": "a",
        "mode": "tunnel",
        "proto": "esp",
        "dh-group": "0",
        "lifetime": 28800,
        "lifebytes": 0,
        "anti-replay-window": "0",
        "sequence-number-disable": 0,
        "enforce-traffic-selector": 0,
        "uuid": "04849a1e-afbf-11e9-8d1d-000c298ae040",
        "user-tag": "a",
        "a10-url": "/axapi/v3/vpn/ipsec/a"
    }
}
```

Get List

GET

/axapi/v3/vpn/ipsec

ipsec-list

Modify Object

POST

/axapi/v3/vpn/ipsec/{name}

ipsec attributes

Replace Object

PUT

/axapi/v3/vpn/ipsec/{name}

ipsec attributes

```
PUT /axapi/v3/vpn/ipsec/a
Payload:
{
    "ipsec": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/vpn/ipsec

ipsec-list

Delete Object

DELETE

/axapi/v3/vpn/ipsec/{name}

ipsec attributes

```
DELETE /axapi/v3/vpn/ipsec/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ipsec-list

ipsec-list is **JSON List** of *ipsec attributes*

ipsec-list : [

{ *ipsec attributes* },

{ *ipsec attributes* },

...

]

ipsec attributes

anti-replay-window

Description '0': Disable Anti-Replay Window Check; '32': Window size of 32; '64': Window size of 64; '128': Window size of 128; '256': Window size of 256; '512': Window size of 512; '1024': Window size of 1024;

Type: string

Supported Values: 0, 32, 64, 128, 256, 512, 1024

Default: 0

bind-tunnel

Description: bind-tunnel is a **JSON Block**. Please see below for *bind-tunnel*

Type: Object

Refernce Object: */axapi/v3/vpn/ipsec/{name}/bind-tunnel*

dh-group

Description '0': Diffie-Hellman group 0 (Default); '1': Diffie-Hellman group 1 - 768-bits; '2': Diffie-Hellman group 2 - 1024-bits; '5': Diffie-Hellman group 5 - 1536-bits; '14': Diffie-Hellman group 14 - 2048-bits; '15': Diffie-Hellman group 15 - 3072-bits; '16': Diffie-Hellman group 16 - 4096-bits; '18': Diffie-Hellman group 18 - 8192-bits;

Type: string

Supported Values: 0, 1, 2, 5, 14, 15, 16, 18, 19, 20

Default: 0

dscp

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110); '0': 000000; '1': 000001; '2': 000010; '3': 000011; '4': 000100; '5': 000101; '6': 000110; '7': 000111; '8': 001000; '9': 001001; '10': 001010; '11': 001011; '12': 001100; '13': 001101; '14': 001110; '15': 001111; '16': 010000; '17': 010001; '18': 010010; '19': 010011; '20': 010100; '21': 010101; '22': 010110; '23': 010111; '24': 011000; '25': 011001; '26': 011010; '27': 011011; '28': 011100; '29': 011101; '30': 011110; '31': 011111; '32': 100000; '33': 100001; '34': 100010; '35': 100011; '36': 100100; '37': 100101; '38': 100110; '39': 100111; '40': 101000; '41': 101001; '42': 101010; '43': 101011; '44': 101100; '45': 101101; '46': 101110; '47': 101111; '48': 110000; '49': 110001; '50': 110010; '51': 110011; '52': 110100; '53': 110101; '54': 110110; '55': 110111; '56': 111000; '57': 111001; '58': 111010; '59': 111011; '60': 111100; '61': 111101; '62': 111110; '63': 111111;

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

enc-cfg

Type: List

enforce-traffic-selector

Description Enforce Traffic Selector

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec-gateway

Description: ipsec-gateway is a **JSON Block**. Please see below for *ipsec-gateway*

Type: Object

Refernce Object: */axapi/v3/vpn/ipsec/{name}/ipsec-gateway*

lifebytes

Description IPsec SA age in megabytes (0 indicates unlimited bytes)

Type: number

Range: 0-8000000

Default: 0

lifetime

Description IPsec SA age in seconds

Type: number

Range: 300-28800

Default: 28800

mode

Description 'tunnel': Encapsulating the packet in IPsec tunnel mode (Default);

Type: string

Supported Values: tunnel

Default: tunnel

name

Description IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

proto

Description 'esp': Encapsulating security protocol (Default);

Type: string

Supported Values: esp

Default: esp

sampling-enable

Type: List

sequence-number-disable

Description Do not use incremental sequence number in the ESP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-selector

Description: traffic-selector is a **JSON Block**. Please see below for *traffic-selector*

Type: Object

up

Description Initiates SA negotiation to bring the IPsec connection up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-selector

Specification	
Type	*object*

ipv4

Description: ipv4 is a **JSON Block**. Please see below for *traffic-selector_ipv4*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *traffic-selector_ipv6*

Type: Object

traffic-selector_ipv4

Specification	
Type	*object*

local

Description Local Traffic Selector

Type: string

Format: ipv4-address

Mutual Exclusion: local and localv6 are mutually exclusive

local_netmask

Description IPv4 Address Network Mask

Type: string

Format: ipv4-netmask

local_port

Description Port Number

Type: number

Range: 0-65535

protocol

Description IP Protocol Number (0-255)

Type: number

Range: 0-255

remote-ip

Description IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: remote-ip and remote-ipv4-assigned are mutually exclusive

remote-ipv4-assigned

Description Remote IP address assigned

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: remote-ipv4-assigned and remote-ip are mutually exclusive

remote_netmask

Description IPv4 Address Network Mask

Type: string

Format: ipv4-netmask

remote_port

Description Port Number

Type: number

Range: 0-65535

traffic-selector_ipv6

Specification	
Type	*object*

local_portv6

Description Port Number

Type: number

Range: 0-65535

localv6

Description Local Traffic Selector

Type: string

Format: ipv6-address-plen

Mutual Exclusion: localv6 and local are mutually exclusive

protocolv6

Description IP Protocol Number (0-255)

Type: number

Range: 0-255

remote-ipv6

Description IPv6 Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: remote-ipv6 and remote-ipv6-assigned are mutually exclusive

remote-ipv6-assigned

Description Remote IPv6 address assigned

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: remote-ipv6-assigned and remote-ipv6 are mutually exclusive

remote_portv6

Description Port Number

Type: number

Range: 0-65535

bind-tunnel

Specification	
Type	*object*

next-hop

Description IPsec Next Hop IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: next-hop and next-hop-v6 are mutually exclusive

next-hop-v6

Description IPsec Next Hop IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: next-hop-v6 and next-hop are mutually exclusive

tunnel

Description Tunnel interface index

Type: number

Range: 1-128

Refernce Object: */axapi/v3/interface/tunnel*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-encrypted': Encrypted Packets; 'packets-decrypted': Decrypted Packets; 'anti-replay-num': Anti-Replay Failure; 'rekey-num': Rekey Times; 'packets-err-inactive': Inactive Error; 'packets-err-encryption': Encryption Error; 'packets-err-pad-check': Pad Check Error; 'packets-err-pkt-sanity': Packets Sanity Error; 'packets-err-icv-check': ICV Check Error; 'packets-err-lifetime-lifebytes': Lifetime Lifebytes Error; 'bytes-encrypted': Encrypted Bytes; 'bytes-decrypted': Decrypted Bytes; 'prefrag-success': Pre-frag Success; 'prefrag-error': Pre-frag Error; 'cavium-bytes-encrypted': CAVIUM Encrypted Bytes; 'cavium-bytes-decrypted': CAVIUM Decrypted Bytes; 'cavium-packets-encrypted': CAVIUM Encrypted Packets; 'cavium-packets-decrypted': CAVIUM Decrypted Packets; 'tunnel-intf-down': Packet dropped: Tunnel Interface Down; 'pkt-fail-prep-to-send': Packet dropped: Failed in prepare to send; 'no-next-hop': Packet dropped: No next hop; 'invalid-tunnel-id': Packet dropped: Invalid tunnel ID; 'no-tunnel-found': Packet dropped: No tunnel found; 'pkt-fail-to-send': Packet dropped: Failed to send;

Type: string

Supported Values: all, packets-encrypted, packets-decrypted, anti-replay-num, rekey-num, packets-err-inactive, packets-err-encryption, packets-err-pad-check, packets-err-pkt-sanity, packets-err-icv-check, packets-err-lifetime-lifebytes, bytes-encrypted, bytes-decrypted, prefrag-success, prefrag-error, cavium-bytes-encrypted, cavium-bytes-decrypted, cavium-packets-encrypted, cavium-packets-decrypted, qat-bytes-encrypted, qat-bytes-decrypted, qat-packets-encrypted, qat-packets-decrypted, tunnel-intf-down, pkt-fail-prep-to-send, no-next-hop, invalid-tunnel-id, no-tunnel-found, pkt-fail-to-send, frag-after-encap-frag-packets, frag-received, sequence-num, sequence-num-rollover, packets-err-nh-check

ipsec-gateway

Specification	
Type	*object*

ike-gateway

Description Gateway to use for IPsec SA

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ike-gateway*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enc-cfg

Specification	
Type	*list*
Block object keys	

encryption

Description 'des': Data Encryption Standard algorithm; '3des': Triple Data Encryption Standard algorithm; 'aes-128': Advanced Encryption Standard algorithm (key size: 128 bits); 'aes-192': Advanced Encryption Standard algorithm (key size: 192 bits); 'aes-256': Advanced Encryption Standard algorithm (key size: 256 bits); 'null': No encryption algorithm;

Type: string

Supported Values: des, 3des, aes-128, aes-192, aes-256, aes-gcm-128, aes-gcm-192, aes-gcm-256, null

gcm_priority

Description Prioritizes (1-10) security protocol, least value has highest priority

Type: number

Range: 1-10

Default: 5

hash

Description 'md5': MD5 Dessage-Digest Algorithm; 'sha1': Secure Hash Algorithm 1; 'sha256': Secure Hash Algorithm 256; 'null': No hash algorithm;

Type: string

Supported Values: md5, sha1, sha256, sha384, sha512, null

priority

Description Prioritizes (1-10) security protocol, least value has highest priority

Type: number

Range: 1-10

Default: 5

stats data

	Counter	Size	Description
	sequence-num-rollover	8	Sequence Number Rollover
	anti-replay-num	8	Anti-Replay Failure
	qat-packets-decrypted	8	QAT Decrypted Packets
	packets-decrypted	8	Decrypted Packets
	tunnel-intf-down	8	Packet dropped: Tunnel Interface Down
	pkt-fail-to-send	8	Packet dropped: Failed to send
	packets-encrypted	8	Encrypted Packets
	bytes-encrypted	8	Encrypted Bytes
	packets-err-nh-check	4	Next Header Check Error
	no-tunnel-found	8	Packet dropped: No tunnel found
	prefrag-success	8	Pre-frag Success
	qat-bytes-decrypted	8	QAT Decrypted Bytes
	prefrag-error	8	Pre-frag Error
	qat-packets-encrypted	8	QAT Encrypted Packets
	bytes-decrypted	8	Decrypted Bytes
	invalid-tunnel-id	8	Packet dropped: Invalid tunnel ID
	pkt-fail-prep-to-send	8	Packet dropped: Failed in prepare to send
	cavium-packets-encrypted	8	CAVIUM Encrypted Packets

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	Counter	Size	Description
	packets-err-icv-check	4	ICV Check Error
	packets-err-inactive	4	Inactive Error
	cavium-bytes-decrypted	8	CAVIUM Decrypted Bytes
	packets-err-pad-check	4	Pad Check Error
	packets-err-pkt-sanity	4	Packets Sanity Error
	cavium-bytes-encrypted	8	CAVIUM Encrypted Bytes
	sequence-num	8	Sequence Number
	packets-err-lifetime-lifebytes	8	Lifetime Lifebytes Error
	packets-err-encryption	4	Encryption Error
	rekey-num	8	Rekey Times
	cavium-packets-decrypted	8	CAVIUM Decrypted Packets
	frag-after-encap-frag-packets	8	Frag-after-encap Fragment Generated
	qat-bytes-encrypted	8	QAT Encrypted Bytes
	no-next-hop	8	Packet dropped: No next hop
	frag-received	8	Fragment Received

operational data

	Counter	Size	Description
	in-spi-filter	string	in-spi-filter
	remote-ts-v6-filter	string	remote-ts-v6-filter
	SA-List		SA-List
	out-spi-filter	string	out-spi-filter
	remote-ts-filter	string	remote-ts-filter

2.116.6 vpn ipsec bind-tunnel

Binds tunnel interface to the IPsec connection

bind-tunnel Specification

Type	*Configuration Resource*
Element Name	bind-tunnel
Element URI	/axapi/v3/vpn/ipsec/{name}/bind-tunnel
Element Attributes	bind-tunnel_attributes
Schema	`bind-tunnel schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/ipsec/{name}/bind-tunnel

bind-tunnel attributes

```
POST /axapi/v3/vpn/ipsec/a/bind-tunnel
Payload:
{
    "bind-tunnel": {
        "tunnel": 1,
        "next-hop": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/vpn/ipsec/{name}/bind-tunnel

bind-tunnel attributes

```
GET /axapi/v3/vpn/ipsec/a/bind-tunnel
Reponse:
{
    "bind-tunnel": {
        "tunnel": 1,
        "next-hop": "3.3.3.3",
        "uuid": "6d818bda-afbf-11e9-8d1d-000c298ae040",
        "a10-url": "/axapi/v3/vpn/ipsec/a/bind-tunnel"
    }
}
```

Modify Object

POST

/axapi/v3/vpn/ipsec/{name}/bind-tunnel

bind-tunnel attributes

Replace Object

PUT

/axapi/v3/vpn/ipsec/{name}/bind-tunnel

bind-tunnel attributes

```
PUT /axapi/v3/vpn/ipsec/a/bind-tunnel
Payload:
{
    "bind-tunnel": {
        "tunnel": 1,
        "next-hop": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/vpn/ipsec/{name}/bind-tunnel

bind-tunnel attributes

```
DELETE /axapi/v3/vpn/ipsec/a/bind-tunnel
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

bind-tunnel attributes

next-hop

Description IPsec Next Hop IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: next-hop and next-hop-v6 are mutually exclusive

next-hop-v6

Description IPsec Next Hop IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: next-hop-v6 and next-hop are mutually exclusive

tunnel

Description Tunnel interface index

Type: number

Range: 1-128

Refernce Object: */axapi/v3/interface/tunnel*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.116.7 vpn ipsec ipsec-gateway

Configure IKE gateway to use for IPsec

ipsec-gateway Specification

Type	*Configuration Resource*
Element Name	ipsec-gateway
Element URI	/axapi/v3/vpn/ipsec/{name}/ipsec-gateway
Element Attributes	ipsec-gateway_attributes
Schema	`ipsec-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/ipsec/{name}/ipsec-gateway

ipsec-gateway attributes

Get Object

GET

/axapi/v3/vpn/ipsec/{name}/ipsec-gateway

ipsec-gateway attributes

Modify Object

POST

/axapi/v3/vpn/ipsec/{name}/ipsec-gateway

ipsec-gateway attributes

Replace Object

PUT

/axapi/v3/vpn/ipsec/{name}/ipsec-gateway

ipsec-gateway attributes

Delete Object

DELETE

/axapi/v3/vpn/ipsec/{name}/ipsec-gateway

ipsec-gateway attributes

ipsec-gateway attributes

ike-gateway

Description Gateway to use for IPsec SA

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ike-gateway*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.116.8 vpn ipsec-sa

Get IPsec SAs

ipsec-sa Specification

Type	*Configuration Resource*
Element Name	ipsec-sa
Element URI	/axapi/v3/vpn/ipsec-sa
Element Attributes	ipsec-sa_attributes
Statistics Data URI	/axapi/v3/vpn/ipsec-sa/stats
Operational Data URI	/axapi/v3/vpn/ipsec-sa/oper
Schema	`ipsec-sa schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/ipsec-sa

ipsec-sa attributes

Get Object

GET

/axapi/v3/vpn/ipsec-sa

ipsec-sa attributes

Modify Object

POST

/axapi/v3/vpn/ipsec-sa

ipsec-sa attributes

Replace Object

PUT

/axapi/v3/vpn/ipsec-sa

ipsec-sa attributes

Delete Object

DELETE

/axapi/v3/vpn/ipsec-sa

ipsec-sa attributes

ipsec-sa attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	sequence-num-rollover	8	Sequence Number Rollover
	anti-replay-num	8	Anti-Replay Failure
	qat-packets-decrypted	8	QAT Decrypted Packets
	packets-decrypted	8	Decrypted Packets
	tunnel-intf-down	8	Packet dropped: Tunnel Interface Down
	pkt-fail-to-send	8	Packet dropped: Failed to send
	packets-encrypted	8	Encrypted Packets
	bytes-encrypted	8	Encrypted Bytes

continues on next page

Table 2.76 – continued from previous page

	Counter	Size	Description
	packets-err-nh-check	4	Next Header Check Error
	no-tunnel-found	8	Packet dropped: No tunnel found
	prefrag-success	8	Pre-frag Success
	qat-bytes-decrypted	8	QAT Decrypted Bytes
	prefrag-error	8	Pre-frag Error
	qat-packets-encrypted	8	QAT Encrypted Packets
	bytes-decrypted	8	Decrypted Bytes
	invalid-tunnel-id	8	Packet dropped: Invalid tunnel ID
	pkt-fail-prep-to-send	8	Packet dropped: Failed in prepare to send
	cavium-packets-encrypted	8	CAVIUM Encrypted Packets
	packets-err-icv-check	4	ICV Check Error
	packets-err-inactive	4	Inactive Error
	cavium-bytes-decrypted	8	CAVIUM Decrypted Bytes
	packets-err-pad-check	4	Pad Check Error
	packets-err-pkt-sanity	4	Packets Sanity Error
	cavium-bytes-encrypted	8	CAVIUM Encrypted Bytes
	sequence-num	8	Sequence Number
	packets-err-lifetime-lifebytes	8	Lifetime Lifebytes Error
	packets-err-encryption	4	Encryption Error
	rekey-num	8	Rekey Times
	cavium-packets-decrypted	8	CAVIUM Decrypted Packets
	frag-after-encap-frag-packets	8	Frag-after-encap Fragment Generated

continues on next page

Table 2.76 – continued from previous page

	Counter	Size	Description
	qat-bytes-encrypted	8	QAT Encrypted Bytes
	no-next-hop	8	Packet dropped: No next hop
	frag-received	8	Fragment Received

operational data

	Counter	Size	Description
	ipsec-sa-list		ipsec-sa-list

2.116.9 vpn ipsec-sa-by-gw

Get IPsec SAs by IKE Gateway

ipsec-sa-by-gw Specification

Type	*Configuration Resource*
Element Name	ipsec-sa-by-gw
Element URI	/axapi/v3/vpn/ipsec-sa-by-gw
Element Attributes	ipsec-sa-by-gw_attributes
Operational Data URI	/axapi/v3/vpn/ipsec-sa-by-gw/oper
Schema	`ipsec-sa-by-gw schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/ipsec-sa-by-gw

ipsec-sa-by-gw attributes

Get Object

GET

/axapi/v3/vpn/ipsec-sa-by-gw

ipsec-sa-by-gw attributes

Modify Object

POST

/axapi/v3/vpn/ipsec-sa-by-gw

ipsec-sa-by-gw attributes

Replace Object

PUT

/axapi/v3/vpn/ipsec-sa-by-gw

ipsec-sa-by-gw attributes

Delete Object

DELETE

/axapi/v3/vpn/ipsec-sa-by-gw

ipsec-sa-by-gw attributes

ipsec-sa-by-gw attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	local-ip	string	local-ip
	ike-gateway-name	string	ike-gateway-name
	ipsec-sa-list		ipsec-sa-list
	peer-ip	string	peer-ip

2.116.10 vpn ocsp

VPN Online Certificate Status Protocol

ocsp Specification

Type	*Configuration Resource*
Element Name	ocsp
Element URI	/axapi/v3/vpn/ocsp
Element Attributes	ocsp_attributes
Operational Data URI	/axapi/v3/vpn/ocsp/oper
Schema	`ocsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/ocsp

ocsp attributes

Get Object

GET

/axapi/v3/vpn/ocsp

ocsp attributes

Modify Object

POST

/axapi/v3/vpn/ocsp

ocsp attributes

Replace Object

PUT

/axapi/v3/vpn/ocsp

ocsp attributes

Delete Object

DELETE

/axapi/v3/vpn/ocsp

ocsp attributes

ocsp attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	total-ocsps	number	total-ocsps
	ocsp-list		ocsp-list

2.116.11 vpn revocation

IPsec VPN revocation settings

revocation Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*revocation-list*
Collection URI	/axapi/v3/vpn/revocation
Element Name	revocation
Element URI	/axapi/v3/vpn/revocation/{name}
Element Attributes	revocation_attributes
Schema	`revocation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vpn/revocation

revocation attributes

```
POST /axapi/v3/vpn/revocation/
Payload:
{
    "revocation": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/vpn/revocation

revocation attributes

Get Object

GET

/axapi/v3/vpn/revocation/{name}

revocation attributes

```
GET /axapi/v3/vpn/revocation/a
Reponse:
{
    "revocation": {
        "name": "a",
```

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```
        "uuid": "bd6368e4-afbf-11e9-8d1d-000c298ae040",
        "user-tag": "a",
        "a10-url": "/axapi/v3/vpn/revocation/a"
    }
}
```

Get List

GET

/axapi/v3/vpn/revocation

revocation-list

Modify Object

POST

/axapi/v3/vpn/revocation/{name}

revocation attributes

Replace Object

PUT

/axapi/v3/vpn/revocation/{name}

revocation attributes

```
PUT /axapi/v3/vpn/revocation/a
Payload:
{
    "revocation": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/vpn/revocation

revocation-list

Delete Object

DELETE

/axapi/v3/vpn/revocation/{name}

revocation attributes

```
DELETE /axapi/v3/vpn/revocation/a
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

revocation-list

revocation-list is **JSON List** of *revocation attributes*

revocation-list : [

{ *revocation attributes* },

{ *revocation attributes* },

...

]

revocation attributes

ca

Description Certificate Authority file name

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl

Description: crl is a **JSON Block**. Please see below for *crl*

Type: Object

name

Description Revocation name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ocsp

Description: ocsp is a **JSON Block**. Please see below for *ocsp*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ocsp

Specification	
Type	*object*

ocsp-pri

Description Primary OCSP Authentication Server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance*

ocsp-sec

Description Secondary OCSP Authentication Server

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/aam/authentication/server/ocsp/instance*

crl

Specification	
Type	*object*

crl-pri

Description Primary CRL URL (http://www.example.com/ocsp) (only .der filetypes)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-sec

Description Secondary CRL URL (http://www.example.com/ocsp) (only .der filetypes)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

2.117 vrrp-a

Objects:

2.117.1 vrrp-a

HA VRRP-A Global Commands

vrrp-a Specification

Type	*Intermediate Resource*
Element Name	vrrp-a
Element URI	/axapi/v3/vrrp-a
Element Attributes	vrrp-a_attributes
Schema	`vrrp-a schema`

Operations Allowed:

Get Object

GET

/axapi/v3/vrrp-a

vrrp-a_attributes

vrrp-a attributes

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/common*

detail

Description: detail is a **JSON Block**. Please see below for *detail*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/detail*

fail-over-policy-template-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/fail-over-policy-template/{name}*

force-self-standby

Description: force-self-standby is a **JSON Block**. Please see below for *force-self-standby*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/force-self-standby*

force-self-standby-persistent-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/force-self-standby-persistent/{vrid}*

hostid

Description: hostid is a **JSON Block**. Please see below for *hostid*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/hostid*

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/interface*

l2-inline-peer-ip-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/l2-inline-peer-ip/{ip-address}*

l3-inline-mode-flag

Description: l3-inline-mode-flag is a **JSON Block**. Please see below for *l3-inline-mode-flag*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/l3-inline-mode-flag*

mac

Description: mac is a **JSON Block**. Please see below for *mac*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/mac*

ospf-inline-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/ospf-inline/{vlan}*

partition-vrid-all-status

Description: partition-vrid-all-status is a **JSON Block**. Please see below for *partition-vrid-all-status*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/partition-vrid-all-status*

partition-vrid-status

Description: partition-vrid-status is a **JSON Block**. Please see below for *partition-vrid-status*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/partition-vrid-status*

peer-group

Description: peer-group is a **JSON Block**. Please see below for *peer-group*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/peer-group*

preferred-session-sync-port

Description: preferred-session-sync-port is a **JSON Block**. Please see below for *preferred-session-sync-port*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/preferred-session-sync-port*

restart-port-list

Description: restart-port-list is a **JSON Block**. Please see below for *restart-port-list*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/restart-port-list*

session-sync

Description: session-sync is a **JSON Block**. Please see below for *session-sync*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/session-sync*

setid-monitor

Description: setid-monitor is a **JSON Block**. Please see below for *setid-monitor*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/setid-monitor*

state

Description: state is a **JSON Block**. Please see below for *state*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/state*

state-cpu

Description: state-cpu is a **JSON Block**. Please see below for *state-cpu*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/state-cpu*

vrid-lead-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid-lead/{vrid-lead-str}*

vrid-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}*

force-self-standby

Specification	
Type	*object*

action

Description 'enable': enable vrrp-a force-self-standby; 'disable': disable vrrp-a force-self-standby;

Type: string

Supported Values: enable, disable

all-partitions

Description force all partitions in standby state

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description Specify one VRRP-A vrid to force into standby state

Type: number

Range: 0-31

restart-port-list

Specification	
Type	*object*

ethernet-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/restart-port-list/vrid/{vrid-val}*

restart-port-list_vrid-list

Specification	
Type	*list*
Block object keys	

ethernet-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-val

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

Default: 0

restart-port-list_vrid-list_ethernet-cfg

Specification	
Type	*list*
Block object keys	

flap-ethernet-end

Description Ethernet Port

Type: number

Format: interface

flap-ethernet-start

Description Ethernet Port

Type: number

Format: interface

restart-port-list_ethernet-cfg

Specification	
Type	*list*
Block object keys	

flap-ethernet-end

Description Ethernet Port

Type: number

Format: interface

flap-ethernet-start

Description Ethernet Port

Type: number

Format: interface

force-self-standby-persistent-list

Specification	
Type	*list*
Block object keys	

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify one VRRP-A vrid to force into standby state

Type: number

Range: 0-31

l3-inline-mode-flag

Specification	
Type	*object*

l3-inline-mode

Description Enable Layer 3 Inline Hot Standby Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

peer-group

Specification	
Type	*object*

peer

Description: peer is a **JSON Block**. Please see below for *peer-group_peer*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

peer-group_peer

Specification	
Type	*object*

ip-peer-address-cfg

Type: List

ipv6-peer-address-cfg

Type: List

peer-group_peer_ip-peer-address-cfg

Specification	
Type	*list*
Block object keys	

ip-peer-address

Description IP Address

Type: string

Format: ipv4-address

peer-group_peer_ipv6-peer-address-cfg

Specification	
Type	*list*
Block object keys	

ipv6-peer-address

Description IPV6 address

Type: string

Format: ipv6-address

detail

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fail-over-policy-template-list

Specification	
Type	*list*
Block object keys	

bgp

Description: bgp is a **JSON Block**. Please see below for *fail-over-policy-template-list_bgp*

Type: Object

gateway

Description: gateway is a **JSON Block**. Please see below for *fail-over-policy-template-list_gateway*

Type: Object

interface

Type: List

name

Description VRRP-A fail over policy template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

route

Description: route is a **JSON Block**. Please see below for *fail-over-policy-template-list_route*

Type: Object

trunk-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

fail-over-policy-template-list_vlan-cfg

Specification	
Type	*list*
Block object keys	

timeout

Description

Type: number

Range: 2-600

vlan

Description VLAN tracking (VLAN id)

Type: number

Range: 1-4094

weight

Description The failover event weight

Type: number

Range: 1-255

fail-over-policy-template-list_route

Specification	
Type	*object*

ip-destination-cfg

Type: List

ipv6-destination-cfg

Type: List

fail-over-policy-template-list_route_ipv6-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gatewayv6

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv6-address

ipv6-destination

Description IPv6 Destination Prefix

Type: string

Format: ipv6-address-plen

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

weight

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

fail-over-policy-template-list_route_ip-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance(default: match any)

Type: number

Range: 1-255

gateway

Description

Type: string

Format: ipv4-address

ip-destination

Description Destination prefix

Type: string

Format: ipv4-address

mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

weight

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

fail-over-policy-template-list_bgp

Specification	
Type	*object*

bgp-ipv4-address-cfg

Type: List

bgp-ipv6-address-cfg

Type: List

fail-over-policy-template-list_bgp_bgp-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv4-address

Description bgp IP Address

Type: string

Format: ipv4-address

weight

Description The failover event weight

Type: number

Range: 1-255

fail-over-policy-template-list_bgp_bgp-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

weight

Description The failover event weight

Type: number

Range: 1-255

fail-over-policy-template-list_interface

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

weight

Description The failover event weight

Type: number

Range: 1-255

fail-over-policy-template-list_gateway

Specification	
Type	*object*

gw-ipv4-address-cfg

Type: List

gw-ipv6-address-cfg

Type: List

fail-over-policy-template-list_gateway_gw-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

gw-ipv4-address

Description IP Address

Type: string

Format: ipv4-address

weight

Description The failover event weight

Type: number

Range: 1-255

fail-over-policy-template-list_gateway_gw-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

gw-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

weight

Description The failover event weight

Type: number

Range: 1-255

fail-over-policy-template-list_trunk-cfg

Specification	
Type	*list*
Block object keys	

per-port-weight

Description Per port failover weight

Type: number

Range: 0-255

Default: 0

trunk

Description trunk tracking (trunk id)

Type: number

Range: 1-4096

weight

Description failover event weight

Type: number

Range: 1-255

state

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sync_pkt_tx_counter': Conn Sync Sent counter; 'sync_pkt_rcv_counter': Conn Sync Received counter; 'sync_rx_create_counter': Conn Sync Create Session Received counter; 'sync_rx_del_counter': Conn Sync Del Session Received counter; 'sync_rx_update_age_counter': Conn Sync Update Age Received counter; 'sync_tx_create_counter': Conn Sync Create Session Sent counter; 'sync_tx_del_counter': Conn Sync Del Session Sent counter; 'sync_tx_update_age_counter': Conn Sync Update Age Sent counter; 'sync_rx_persist_create_counter': Conn Sync Create Persist Session Pkts Received counter; 'sync_rx_persist_del_counter': Conn Sync Delete Persist Session Pkts Received counter; 'sync_rx_persist_update_age_counter': Conn Sync Update Persist Age Pkts Received counter; 'sync_tx_persist_create_counter': Conn Sync Create Persist Session Pkts Sent counter; 'sync_tx_persist_del_counter': Conn Sync Delete Persist Session Pkts Sent counter; 'sync_tx_persist_update_age_counter': Conn Sync Update Persist Age Pkts Sent counter; 'query_pkt_tx_counter': Conn Query sent counter; 'query_pkt_rcv_counter': Conn Query Received counter; 'sync_tx_smp_radius_table_counter': Conn Sync Update LSN RADIUS Sent counter; 'sync_rx_smp_radius_table_counter': Conn Sync Update LSN RADIUS Received counter; 'query_tx_max_packed': Max Query Msg Per Packet; 'query_tx_min_packed': Min Query Msg Per Packet; 'query_pkt_invalid_idx_counter': Conn Query Invalid Interface; 'query_tx_get_buff_failed': Conn Query Get Buff Failure; 'query_rx_zero_info_counter': Conn Query Packet Empty; 'query_rx_full_info_counter': Conn Query Packet Full; 'query_rx_unk_counter': Conn Query Unknown Type; 'sync_pkt_invalid_idx_counter': Conn Sync Invalid Interface; 'sync_tx_get_buff_failed': Conn Sync Get Buff Failure; 'sync_tx_total_info_counter': Conn Sync Total Info Pkts Sent counter; 'sync_tx_create_ext_bit_counter': Conn Sync Create with Ext Sent counter; 'sync_tx_update_seqnos_counter': Conn Sync Update Seq Num Sent counter; 'sync_tx_min_packed': Max Sync Msg Per Packet; 'sync_tx_max_packed': Min Sync Msg Per Packet; 'sync_rx_len_invalid': Conn Sync Length Invalid; 'sync_persist_rx_len_invalid': Persist Conn Sync Length Invalid; 'sync_persist_rx_proto_not_supported': Persist Conn Sync Protocol Invalid; 'sync_persist_rx_type_invalid': Persist Conn Sync Type Invalid; 'sync_persist_rx_cannot_process_mandatory': Persist Conn Sync Process Mandatory Invalid; 'sync_persist_rx_ext_bit_process_error': Persist Conn Sync Proc Ext Bit Failure; 'sync_persist_rx_no_such_vport': Persist Conn Sync Virt Port Not Found; 'sync_persist_rx_vporttype_not_supported': Persist Conn Sync Virt Port Type Invalid; 'sync_persist_rx_no_such_rport': Persist Conn Sync Real Port Not Found; 'sync_persist_rx_no_such_sg_group': Persist Conn Sync No Service Group Found; 'sync_persist_rx_no_sg_group_info': Persist Conn Sync No Service Group Info Found; 'sync_persist_rx_conn_get_failed': Persist Conn Sync Get Conn Failure; 'sync_rx_no_such_vport': Conn Sync Virt Port Not Found; 'sync_rx_no_such_rport': Conn Sync Real Port Not Found; 'sync_rx_cannot_process_mandatory': Conn Sync Process Mandatory Invalid; 'sync_rx_ext_bit_process_error': Conn Sync Proc Ext Bit Failure; 'sync_rx_create_ext_bit_counter': Conn Sync Create with Ext Received counter; 'sync_rx_conn_exists': Conn Sync Create Conn Exists; 'sync_rx_conn_get_failed': Conn Sync Get Conn Failure; 'sync_rx_proto_not_supported': Conn Sync Protocol Invalid; 'sync_rx_no_dst_for_vport_inline': Conn Sync 'dst' not found for vport inline; 'sync_rx_no_such_nat_pool': Conn Sync NAT Pool Error; 'sync_rx_no_such_sg_node': Conn Sync no SG node found; 'sync_rx_del_no_such_session': Conn Sync Del Conn not

Found; 'sync_rx_type_invalid': Conn Sync Type Invalid; 'sync_rx_zero_info_counter': Conn Sync Packet Empty; 'sync_rx_dcmsg_counter': Conn Sync forward CPU; 'sync_rx_total_info_counter': Conn Sync Total Info Pkts Received counter; 'sync_rx_update_seqnos_counter': Conn Sync Update Seq Num Received counter; 'sync_rx_unk_counter': Conn Sync Unknown Type; 'sync_rx_apptype_not_supported': Conn Sync App Type Invalid; 'sync_query_dcmsg_counter': Conn Sync query forward CPU; 'sync_get_buff_failed_rt': Conn Sync Get Buff Failure No Route; 'sync_get_buff_failed_port': Conn Sync Get Buff Failure Wrong Port; 'sync_rx_lsn_create_sby': Conn Sync LSN Create Standby; 'sync_rx_nat_create_sby': Conn Sync NAT Create Standby; 'sync_rx_nat_alloc_sby': Conn Sync NAT Alloc Standby; 'sync_rx_insert_tuple': Conn Sync Insert Tuple; 'sync_rx_sfw': Conn Sync SFW; 'sync_rx_create_static_sby': Conn Sync Create Static Standby; 'sync_rx_ext_pptp': Conn Sync Ext PPTP; 'sync_rx_ext_rtsp': Conn Sync Ext RTSP; 'sync_rx_reserve_ha': Conn Sync Reserve HA Conn; 'sync_rx_seq_deltas': Conn Sync Seq Deltas Failure; 'sync_rx_ftp_control': Conn Sync FTP Control Failure; 'sync_rx_ext_lsn_acl': Conn Sync LSN ACL Failure; 'sync_rx_ext_lsn_ac_idle_timeout': Conn Sync LSN ACL Idle Timeout Failure; 'sync_rx_ext_sip_alg': Conn Sync SIP TCP ALG Failure; 'sync_rx_ext_nat_mac': Conn Sync NAT MAC Failure; 'sync_tx_lsn_fullcone': Conn Sync Update LSN Fullcone Sent counter; 'sync_rx_lsn_fullcone': Conn Sync Update LSN Fullcone Received counter; 'sync_err_lsn_fullcone': Conn Sync LSN Fullcone Failure; 'sync_tx_update_sctp_conn_addr': Update SCTP Addresses Sent; 'sync_rx_update_sctp_conn_addr': Update SCTP Addresses Received; 'sync_rx_ext_dcfw_log': Conn Sync FIREWALL session logging information Failure;

Type: string

Supported Values: all, sync_pkt_tx_counter, sync_pkt_rcv_counter, sync_rx_create_counter, sync_rx_del_counter, sync_rx_update_age_counter, sync_tx_create_counter, sync_tx_del_counter, sync_tx_update_age_counter, sync_rx_persist_create_counter, sync_rx_persist_del_counter, sync_rx_persist_update_age_counter, sync_tx_persist_create_counter, sync_tx_persist_del_counter, sync_tx_persist_update_age_counter, query_pkt_tx_counter, query_pkt_rcv_counter, sync_tx_smp_radius_table_counter, sync_rx_smp_radius_table_counter, query_tx_max_packed, query_tx_min_packed, query_pkt_invalid_idx_counter, query_tx_get_buff_failed, query_rx_zero_info_counter, query_rx_full_info_counter, query_rx_unk_counter, sync_pkt_invalid_idx_counter, sync_tx_get_buff_failed, sync_tx_total_info_counter, sync_tx_create_ext_bit_counter, sync_tx_update_seqnos_counter, sync_tx_min_packed, sync_tx_max_packed, sync_rx_len_invalid, sync_persist_rx_len_invalid, sync_persist_rx_proto_not_supported, sync_persist_rx_type_invalid, sync_persist_rx_cannot_process_mandatory, sync_persist_rx_ext_bit_process_error, sync_persist_rx_no_such_vport, sync_persist_rx_vporttype_not_supported, sync_persist_rx_no_such_rport, sync_persist_rx_no_such_sg_group, sync_persist_rx_no_sg_group_info, sync_persist_rx_conn_get_failed, sync_rx_no_such_vport, sync_rx_no_such_rport, sync_rx_cannot_process_mandatory, sync_rx_ext_bit_process_error, sync_rx_create_ext_bit_counter, sync_rx_conn_exists, sync_rx_conn_get_failed, sync_rx_proto_not_supported, sync_rx_no_dst_for_vport_inline, sync_rx_no_such_nat_pool, sync_rx_no_such_sg_node, sync_rx_del_no_such_session, sync_rx_type_invalid, sync_rx_zero_info_counter, sync_rx_dcmsg_counter, sync_rx_total_info_counter, sync_rx_update_seqnos_counter, sync_rx_unk_counter, sync_rx_apptype_not_supported, sync_query_dcmsg_counter, sync_get_buff_failed_rt, sync_get_buff_failed_port, sync_rx_lsn_create_sby, sync_rx_nat_create_sby, sync_rx_nat_alloc_sby, sync_rx_insert_tuple, sync_rx_sfw, sync_rx_create_static_sby, sync_rx_ext_pptp, sync_rx_ext_rtsp, sync_rx_reserve_ha, sync_rx_seq_deltas, sync_rx_ftp_control, sync_rx_ext_lsn_acl, sync_rx_ext_lsn_ac_idle_timeout, sync_rx_ext_sip_alg,

sync_rx_ext_h323_alg, sync_rx_ext_nat_mac, sync_tx_lsn_fullcone, sync_rx_lsn_fullcone, sync_err_lsn_fullcone, sync_tx_update_sctp_conn_addr, sync_rx_update_sctp_conn_addr, sync_rx_ext_nat_alg_tcp_info, sync_rx_ext_dcfw_rule_id, sync_rx_ext_dcfw_log, sync_rx_estab_counter, sync_tx_estab_counter, sync_rx_zone_failure_counter, sync_rx_ext_fw_http_logging, sync_rx_ext_dcfw_rule_idle_timeout, sync_rx_ext_fw_gtp_info, sync_rx_not_expect_sync_pkt, sync_rx_ext_fw_apps, sync_tx_mon_entity, sync_rx_mon_entity, sync_rx_ext_fw_gtp_log_info, sync_rx_ext_fw_gtp_u_info, sync_rx_ext_fw_gtp_ext_info, sync_rx_ext_fw_gtp_log_ext_info, sync_rx_ddos_drop_counter, sync_rx_invalid_sync_packet_counter, sync_pkt_empty_buff_counter, sync_pkt_no_sending_vgrp_counter, sync_pkt_no_receiving_vgrp_counter, sync_pkt_no_receiving_vgrp_counter, sync_pkt_failed_buff_copy_counter, sync_rx_bad_protocol_counter, sync_rx_no_vgrp_counter, sync_rx_by_inactive_peer_counter, sync_rx_table_entry_update_counter, sync_rx_table_entry_create_counter

counters2

Description 'sync_rx_table_entry_del_counter': Conn Sync receive packet with table entry delete; 'sync_rx_aflex_update_counter': Conn Sync receive packet with aflex update; 'sync_rx_aflex_create_counter': Conn Sync receive packet with aflex create; 'sync_rx_aflex_del_counter': Conn Sync receive packet with aflex delete; 'sync_rx_aflex_frag_counter': Conn Sync receive packet with aflex fragment; 'query_rx_invalid_partition_counter': Conn Sync receive query packet with invalid partition; 'query_rx_invalid_ha_group_counter': Conn Sync receive query packet with invalid ha group; 'query_rx_invalid_sync_version_counter': Conn Sync receive query packet with invalid sync version; 'query_rx_invalid_msg_dir_counter': Conn Sync receive query packet with invalid message dir; 'sync_rx_out_of_order_pkt_counter': total number of out of order packets received; 'sync_rx_unreached_pkt_counter': total number of unreached packets;

Type: string

Supported Values: sync_rx_table_entry_del_counter, sync_rx_aflex_update_counter, sync_rx_aflex_create_counter, sync_rx_aflex_del_counter, sync_rx_aflex_frag_counter, query_rx_invalid_partition_counter, query_rx_invalid_ha_group_counter, query_rx_invalid_sync_version_counter, query_rx_invalid_msg_dir_counter, sync_rx_out_of_order_pkt_counter, sync_rx_unreached_pkt_counter, sync_rx_ext_fw_gtp_echo_ext_info, sync_rx_smp_create_counter, sync_rx_smp_delete_counter, sync_rx_smp_update_counter, sync_tx_smp_create_counter, sync_tx_smp_delete_counter, sync_tx_smp_update_counter, sync_rx_smp_clear_counter, sync_tx_smp_clear_counter, sync_rx_ext_fw_so_shadow_ext_info, sync_tx_aflex_table_entry_add_counter, sync_rx_aflex_table_entry_add_counter, sync_tx_aflex_table_entry_append_counter, sync_rx_aflex_table_entry_append_counter, sync_tx_aflex_table_entry_delete_counter, sync_rx_aflex_table_entry_delete_counter, sync_tx_aflex_table_entry_incr_counter, sync_rx_aflex_table_entry_incr_counter, sync_tx_aflex_table_entry_lookup_counter, sync_rx_aflex_table_entry_lookup_counter, sync_tx_aflex_table_entry_lifetime_counter, sync_rx_aflex_table_entry_lifetime_counter, sync_tx_aflex_table_entry_replace_counter, sync_rx_aflex_table_entry_replace_counter, sync_tx_aflex_table_entry_set_counter, sync_rx_aflex_table_entry_set_counter, sync_tx_aflex_table_entry_timeout_counter, sync_rx_aflex_table_entry_timeout_counter, sync_tx_aflex_table_entry_fastsync_counter, sync_rx_aflex_table_entry_fastsync_counter, sync_tx_aflex_table_entry_error_counter, sync_tx_aflex_table_entry_not_eligible_counter, sync_rx_ext_fw_limit_entry

setid-monitor

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-list

Specification	
Type	*list*
Block object keys	

blade-parameters

Description: blade-parameters is a **JSON Block**. Please see below for *vrid-list_blade-parameters*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters*

floating-ip

Description: floating-ip is a **JSON Block**. Please see below for *vrid-list_floating-ip*

Type: Object

follow

Description: follow is a **JSON Block**. Please see below for *vrid-list_follow*

Type: Object

pair-follow

Description: pair-follow is a **JSON Block**. Please see below for *vrid-list_pair-follow*

Type: Object

preempt-mode

Description: preempt-mode is a **JSON Block**. Please see below for *vrid-list_preempt-mode*

Type: Object

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-val

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

Default: 0

vrid-list_pair-follow

Specification	
Type	*object*

pair-follow

Description Follow other VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid-lead

Description Define a VRRP-A VRID leader

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vrid-list_blade-parameters

Specification	
Type	*object*

fail-over-policy-template

Description Apply a fail over policy template (VRRP-A fail over policy template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vrrp-a/fail-over-policy-template*

priority

Description VRRP-A priorty (Priority, default is 150)

Type: number

Range: 1-255

Default: 150

tracking-options

Description: tracking-options is a **JSON Block**. Please see below for *vrid-list_blade-parameters_tracking-options*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-list_blade-parameters_tracking-options

Specification	
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *vrid-list_blade-parameters_tracking-options_bgp*

Type: Object

gateway

Description: gateway is a **JSON Block**. Please see below for *vrid-list_blade-parameters_tracking-options_gateway*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway*

interface

Type: List

route

Description: route is a **JSON Block**. Please see below for *vrid-list_blade-parameters_tracking-options_route*

Type: Object

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

vrid-list_blade-parameters_tracking-options_vlan-cfg

Specification	
Type	*list*
Block object keys	

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

timeout

Description

Type: number

Range: 2-600

vlan

Description VLAN tracking (VLAN id)

Type: number

Range: 1-4094

vrid-list_blade-parameters_tracking-options_route

Specification	
Type	*object*

ip-destination-cfg

Type: List

ipv6-destination-cfg

Type: List

vrid-list_blade-parameters_tracking-options_route_ipv6-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gatewayv6

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv6-address

ipv6-destination

Description IPv6 Destination Prefix

Type: string

Format: ipv6-address-plen

priority-cost

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

vrid-list_blade-parameters_tracking-options_route_ip-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gateway

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv4-address

ip-destination

Description Destination prefix

Type: string

Format: ipv4-address

mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask

priority-cost

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

vrid-list_blade-parameters_tracking-options_bgp

Specification	
Type	*object*

bgp-ipv4-address-cfg

Type: List

bgp-ipv6-address-cfg

Type: List

vrid-list_blade-parameters_tracking-options_bgp_bgp-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv4-address

Description bgp IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

vrid-list_blade-parameters_tracking-options_bgp_bgp-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

vrid-list_blade-parameters_tracking-options_interface

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

vrid-list_blade-parameters_tracking-options_gateway

Specification	
Type	*object*

ipv4-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}*

ipv6-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}*

vrid-list_blade-parameters_tracking-options_gateway_ipv4-gateway-list

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-list_blade-parameters_tracking-options_gateway_ipv6-gateway-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-list_blade-parameters_tracking-options_trunk-cfg

Specification	
Type	*list*
Block object keys	

per-port-pri

Description per port priority

Type: number

Range: 0-255

Default: 0

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

trunk

Description trunk tracking (Trunk Number)

Type: number

Range: 1-4096

vrid-list_floating-ip

Specification	
Type	*object*

ip-address-cfg

Type: List

ip-address-part-cfg

Type: List

ipv6-address-cfg

Type: List

ipv6-address-part-cfg

Type: List

vrid-list_floating-ip_ipv6-address-part-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet (for link-local address only)

Type: number

Format: interface

ipv6-address-partition

Description IPV6 address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (for link-local address only)

Type: number

Range: 1-4096

ve

Description VE interface (for link-local address only)

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

vrid-list_floating-ip_ip-address-cfg

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address

Type: string

Format: ipv4-address

vrid-list_floating-ip_ip-address-part-cfg

Specification	
Type	*list*
Block object keys	

ip-address-partition

Description IP Address

Type: string

Format: ipv4-address

vrid-list_floating-ip_ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet (for link-local address only)

Type: number

Format: interface

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (for link-local address only)

Type: number

Range: 1-4096

Refernce Object: */axapi/v3/interface/trunk*

ve

Description VE interface (for link-local address only)

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

vrid-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'associated_vip_count': Number of vips associated to vrid; 'associated_vport_count': Number of vports associated to vrid; 'associated_natpool_count': Number of nat pools associated to vrid;

Type: string

Supported Values: all, associated_vip_count, associated_vport_count, associated_natpool_count

vrid-list_preempt-mode

Specification	
Type	*object*

disable

Description disable preemption

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description preemption threshold (preemption threshhold (0-255), default 0)

Type: number

Range: 0-255

Default: 0

vrid-list_follow

Specification	
Type	*object*

vrid-lead

Description Define a VRRP-A VRID leader

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vrid-lead-list

Specification	
Type	*list*
Block object keys	

partition

Description: partition is a **JSON Block**. Please see below for *vrid-lead-list_partition*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-lead-str

Description VRRP-A VRID leader name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default-vrid-lead

vrid-lead-list_partition

Specification	
Type	*object*

name-cfg

Description: name-cfg is a **JSON Block**. Please see below for *vrid-lead-list_partition_name-cfg*

Type: Object

partition

Description Partition name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-cfg

Description: shared-cfg is a **JSON Block**. Please see below for *vrid-lead-list_partition_shared-cfg*

Type: Object

vrid-lead-list_partition_shared-cfg

Specification	
Type	*object*

shared

Description Shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and name are mutually exclusive

vrid

Description VRRP-A id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid-value

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

vrid-lead-list_partition_name-cfg

Specification	
Type	*object*

name

Description Partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: name and shared are mutually exclusive

Refernce Object: */axapi/v3/partition*

vrid

Description VRRP-A id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid-value

Description Specify ha VRRP-A vrid

Type: number

Range: 0-7

mac

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-vrid-all-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	
Type	*object*

ethernet-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/interface/ethernet/{ethernet-val}*

trunk-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/interface/trunk/{trunk-val}*

interface_trunk-list

Specification	
Type	*list*
Block object keys	

both

Description both a router and server interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: both router-interface and server-interface are mutually exclusive

no-heartbeat

Description do not send out heartbeat packet from this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: no-heartbeat and vlan are mutually exclusive

router-interface

Description interface to upstream router

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: router-interface server-interface and both are mutually exclusive

server-interface

Description interface to real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-interface router-interface and both are mutually exclusive

trunk-val

Description Ethernet Interface

Type: number

Range: 1-4096

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

interface_trunk-list_vlan-cfg

Specification	
Type	*list*
Block object keys	

vlan

Description VLAN ID

Type: number

Range: 2-4094

Mutual Exclusion: vlan and no-heartbeat are mutually exclusive

interface_ethernet-list

Specification	
Type	*list*
Block object keys	

both

Description both a router and server interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: both router-interface and server-interface are mutually exclusive

ethernet-val

Description Ethernet Interface

Type: number

Format: interface

no-heartbeat

Description do not send out heartbeat packet from this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: no-heartbeat and vlan are mutually exclusive

router-interface

Description interface to upstream router

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: router-interface server-interface and both are mutually exclusive

server-interface

Description interface to real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-interface router-interface and both are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

interface_ethernet-list_vlan-cfg

Specification	
Type	*list*
Block object keys	

vlan

Description VLAN ID

Type: number

Range: 2-4094

Mutual Exclusion: vlan and no-heartbeat are mutually exclusive

session-sync

Specification	
Type	*object*

action

Description 'enable': enable vrrp-a session sync (default); 'disable': disable vrrp-a session sync;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hostid

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-inline-list

Specification	
Type	*list*
Block object keys	

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description Do not filter OSPF packet on specific vlan (Vlan number)

Type: number

Range: 1-4094

common

Specification	
Type	*object*

action

Description 'enable': enable vrrp-a; 'disable': disable vrrp-a;

Type: string

Supported Values: enable, disable

Default: disable

arp-retry

Description Number of additional gratuitous ARPs sent out after HA failover (1-255, default is 4)

Type: number

Range: 1-255

Default: 4

dead-timer

Description VRRP-A dead timer in terms of how many hello messages missed, default is 5 (2-255, default is 5)

Type: number

Range: 2-255

Default: 5

device-id

Description Unique ID for each VRRP-A box (Device-id number)

Type: number

disable-default-vrid

Description Disable default vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-sync-session-seq-number

Description enable monitoring sending and receiving sync packets with sequence number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-l4-packet-on-standby

Description Enables Layer 2/3 forwarding of Layer 4 traffic on the Standby ACOS device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-ready-time

Description set get ready time after ax starting up (60-1200, in unit of 100millisec, default is 60)

Type: number

Range: 60-1200

Default: 60

hello-interval

Description VRRP-A Hello Interval (1-255, in unit of 100millisec, default is 2)

Type: number

Range: 1-255

Default: 2

hostid-append-to-vrid

Description: hostid-append-to-vrid is a **JSON Block**. Please see below for *common_hostid-append-to-vrid*

Type: Object

inline-mode-cfg

Description: inline-mode-cfg is a **JSON Block**. Please see below for *common_inline-mode-cfg*

Type: Object

preemption-delay

Description Delay before changing state from Active to Standby (1-255, in unit of 100millisec, default is 60)

Type: number

Range: 1-255

Default: 60

restart-time

Description Time between restarting ports on standby system after transition

Type: number

Range: 1-100

Default: 20

set-id

Description Set-ID for HA configuration (Set id from 1 to 15)

Type: number

Range: 1-15

track-event-delay

Description Delay before changing state after up/down event (Units of 100 milliseconds (default 30))

Type: number

Range: 1-100

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_hostid-append-to-vrid

Specification	
Type	*object*

hostid-append-to-vrid-default

Description hostid append to vrid default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: hostid-append-to-vrid-default and hostid-append-to-vrid-value are mutually exclusive

hostid-append-to-vrid-value

Description hostid append to vrid num

Type: number

Range: 1-31

Mutual Exclusion: hostid-append-to-vrid-value and hostid-append-to-vrid-default are mutually exclusive

common_inline-mode-cfg

Specification	
Type	*object*

inline-mode

Description Enable Layer 2 Inline Hot Standby Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-port

Description Preferred ethernet Port

Type: number

Format: interface

Mutual Exclusion: preferred-port and preferred-trunk are mutually exclusive

preferred-trunk

Description Preferred trunk Port

Type: number

Range: 1-4096

Mutual Exclusion: preferred-trunk and preferred-port are mutually exclusive

state-cpu

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l2-inline-peer-ip-list

Specification	
Type	*list*
Block object keys	

ip-address

Description IP address (IPv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-vrid-status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

preferred-session-sync-port

Specification	
Type	*object*

ethernet-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/{pre-eth}*

trunk-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/preferred-session-sync-port/trunk/{pre-trunk}*

preferred-session-sync-port_trunk-list

Specification	
Type	*list*
Block object keys	

pre-trunk

Description Trunk Interface number

Type: number

Range: 1-4096

pre-vlan

Description Interface VLAN (VLAN ID)

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

preferred-session-sync-port_ethernet-list

Specification	
Type	*list*
Block object keys	

pre-eth

Description Ethernet interface number

Type: number

Format: interface

pre-vlan

Description Interface VLAN (VLAN ID)

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.2 vrrp-a common

HA VRRP-A Global Commands

common Specification

Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/vrrp-a/common
Element Attributes	common_attributes
Statistics Data URI	/axapi/v3/vrrp-a/common/stats
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/common

common attributes

```
POST /axapi/v3/vrrp-a/common
Payload:
{
    "common": {
        "device-id": 1
    }
}
```

Get Object

GET

/axapi/v3/vrrp-a/common

common attributes

```
GET /axapi/v3/vrrp-a/common
Reponse:
{
    "common": {
        "device-id": 1,
        "disable-default-vrid": 0,
        "action": "disable",
        "hello-interval": 2,
        "preemption-delay": 60,
        "dead-timer": 5,
        "arp-retry": 4,
        "track-event-delay": 30,
        "get-ready-time": 60,
        "inline-mode-cfg": {
            "inline-mode": 0
```

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```
        },
        "restart-time": 20,
        "hostid-append-to-vrid": {
            "hostid-append-to-vrid-default": 0
        },
        "forward-l4-packet-on-standby": 0,
        "enable-sync-session-seq-number": 0,
        "uuid": "1041dbb6-5c12-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/common"
    }
}
```

Modify Object

POST

/axapi/v3/vrrp-a/common

common attributes

Replace Object

PUT

/axapi/v3/vrrp-a/common

common attributes

```
PUT /axapi/v3/vrrp-a/common
Payload:
{
    "common": {
        "device-id": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/vrrp-a/common

common attributes

```
DELETE /axapi/v3/vrrp-a/common
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

common attributes

action

Description 'enable': enable vrrp-a; 'disable': disable vrrp-a;

Type: string

Supported Values: enable, disable

Default: disable

arp-retry

Description Number of additional gratuitous ARPs sent out after HA failover (1-255, default is 4)

Type: number

Range: 1-255

Default: 4

dead-timer

Description VRRP-A dead timer in terms of how many hello messages missed, default is 5 (2-255, default is 5)

Type: number

Range: 2-255

Default: 5

device-id

Description Unique ID for each VRRP-A box (Device-id number)

Type: number

disable-default-vrid

Description Disable default vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-sync-session-seq-number

Description enable monitoring sending and receiving sync packets with sequence number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-l4-packet-on-standby

Description Enables Layer 2/3 forwarding of Layer 4 traffic on the Standby ACOS device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-ready-time

Description set get ready time after ax starting up (60-1200, in unit of 100millisec, default is 60)

Type: number

Range: 60-1200

Default: 60

hello-interval

Description VRRP-A Hello Interval (1-255, in unit of 100millisec, default is 2)

Type: number

Range: 1-255

Default: 2

hostid-append-to-vrid

Description: hostid-append-to-vrid is a **JSON Block**. Please see below for *hostid-append-to-vrid*

Type: Object

inline-mode-cfg

Description: inline-mode-cfg is a **JSON Block**. Please see below for *inline-mode-cfg*

Type: Object

preemption-delay

Description Delay before changing state from Active to Standby (1-255, in unit of 100millisec, default is 60)

Type: number

Range: 1-255

Default: 60

restart-time

Description Time between restarting ports on standby system after transition

Type: number

Range: 1-100

Default: 20

set-id

Description Set-ID for HA configuration (Set id from 1 to 15)

Type: number

Range: 1-15

track-event-delay

Description Delay before changing state after up/down event (Units of 100 milliseconds (default 30))

Type: number

Range: 1-100

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hostid-append-to-vrid

Specification	
Type	*object*

hostid-append-to-vrid-default

Description hostid append to vrid default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: hostid-append-to-vrid-default and hostid-append-to-vrid-value are mutually exclusive

hostid-append-to-vrid-value

Description hostid append to vrid num

Type: number

Range: 1-31

Mutual Exclusion: hostid-append-to-vrid-value and hostid-append-to-vrid-default are mutually exclusive

inline-mode-cfg

Specification	
Type	*object*

inline-mode

Description Enable Layer 2 Inline Hot Standby Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-port

Description Preferred ethernet Port

Type: number

Format: interface

Mutual Exclusion: preferred-port and preferred-trunk are mutually exclusive

preferred-trunk

Description Preferred trunk Port

Type: number

Range: 1-4096

Mutual Exclusion: preferred-trunk and preferred-port are mutually exclusive

stats data

	Counter	Size	Description
	vrrp_common_dummy	8	dummy counter

2.117.3 vrrp-a fail-over-policy-template

Define a VRRP-A failover policy template

fail-over-policy-template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*fail-over-policy-template-list*
Collection URI	/axapi/v3/vrrp-a/fail-over-policy-template
Element Name	fail-over-policy-template
Element URI	/axapi/v3/vrrp-a/fail-over-policy-template/{name}
Element Attributes	fail-over-policy-template_attributes
Schema	`fail-over-policy-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/fail-over-policy-template

fail-over-policy-template attributes

```
POST /axapi/v3/vrrp-a/fail-over-policy-template/
Payload:
{
    "fail-over-policy-template": {
```

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```
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/fail-over-policy-template

fail-over-policy-template attributes

Get Object

GET

/axapi/v3/vrrp-a/fail-over-policy-template/{name}

fail-over-policy-template attributes

```
GET /axapi/v3/vrrp-a/fail-over-policy-template/a
Reponse:
{
    "fail-over-policy-template": {
        "name": "a",
        "uuid": "8e1e0ece-5c12-11d9-adc9-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/vrrp-a/fail-over-policy-template/a"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/fail-over-policy-template

fail-over-policy-template-list

Modify Object

POST

/axapi/v3/vrrp-a/fail-over-policy-template/{name}

fail-over-policy-template attributes

Replace Object

PUT

/axapi/v3/vrrp-a/fail-over-policy-template/{name}

fail-over-policy-template attributes

```
PUT /axapi/v3/vrrp-a/fail-over-policy-template/a
Payload:
{
    "fail-over-policy-template": {
        "name": "a",
```

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```
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/fail-over-policy-template

fail-over-policy-template-list

Delete Object

DELETE

/axapi/v3/vrrp-a/fail-over-policy-template/{name}

fail-over-policy-template attributes

```
DELETE /axapi/v3/vrrp-a/fail-over-policy-template/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

fail-over-policy-template-list

fail-over-policy-template-list is **JSON List** of *fail-over-policy-template attributes*

fail-over-policy-template-list : [

{ *fail-over-policy-template attributes* },

{ *fail-over-policy-template attributes* },

...

]

fail-over-policy-template attributes

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

gateway

Description: gateway is a **JSON Block**. Please see below for *gateway*

Type: Object

interface

Type: List

name

Description VRRP-A fail over policy template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

trunk-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

vlan-cfg

Specification	
Type	*list*
Block object keys	

timeout

Description

Type: number

Range: 2-600

vlan

Description VLAN tracking (VLAN id)

Type: number

Range: 1-4094

weight

Description The failover event weight

Type: number

Range: 1-255

route

Specification	
Type	*object*

ip-destination-cfg

Type: List

ipv6-destination-cfg

Type: List

route_ipv6-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gatewayv6

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv6-address

ipv6-destination

Description IPv6 Destination Prefix

Type: string

Format: ipv6-address-plen

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

weight

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

route_ip-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance(default: match any)

Type: number

Range: 1-255

gateway

Description

Type: string

Format: ipv4-address

ip-destination

Description Destination prefix

Type: string

Format: ipv4-address

mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

weight

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

bgp

Specification	
Type	*object*

bgp-ipv4-address-cfg

Type: List

bgp-ipv6-address-cfg

Type: List

bgp_bgp-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv4-address

Description bgp IP Address

Type: string

Format: ipv4-address

weight

Description The failover event weight

Type: number

Range: 1-255

bgp_bgp-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

weight

Description The failover event weight

Type: number

Range: 1-255

interface

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

weight

Description The failover event weight

Type: number

Range: 1-255

gateway

Specification	
Type	*object*

gw-ipv4-address-cfg

Type: List

gw-ipv6-address-cfg

Type: List

gateway_gw-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

gw-ipv4-address

Description IP Address

Type: string

Format: ipv4-address

weight

Description The failover event weight

Type: number

Range: 1-255

gateway_gw-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

gw-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

weight

Description The failover event weight

Type: number

Range: 1-255

trunk-cfg

Specification	
Type	*list*
Block object keys	

per-port-weight

Description Per port failover weight

Type: number

Range: 0-255

Default: 0

trunk

Description trunk tracking (trunk id)

Type: number

Range: 1-4096

weight

Description failover event weight

Type: number

Range: 1-255

2.117.4 vrrp-a force-self-standby-persistent

HA VRRP-A Configured Command to force the unit or a group to HA standby state

force-self-standby-persistent Specification

Type	*Collection*
Object Key(s)	*vrid*
Collection Name	*force-self-standby-persistent-list*
Collection URI	/axapi/v3/vrrp-a/force-self-standby-persistent
Element Name	force-self-standby-persistent
Element URI	/axapi/v3/vrrp-a/force-self-standby-persistent/{vrid}
Element Attributes	force-self-standby-persistent_attributes
Schema	`force-self-standby-persistent schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/force-self-standby-persistent

force-self-standby-persistent attributes

```
POST /axapi/v3/vrrp-a/force-self-standby-persistent/
Payload:
{
    "force-self-standby-persistent": {
        "vrid": 0
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/force-self-standby-persistent

force-self-standby-persistent attributes

Get Object

GET

/axapi/v3/vrrp-a/force-self-standby-persistent/{vrid}

force-self-standby-persistent attributes

```
GET /axapi/v3/vrrp-a/force-self-standby-persistent/0
Reponse:
{
    "force-self-standby-persistent": {
        "vrid": 0,
        "uuid": "d8fe8464-5c12-11d9-adc9-001fa00680a0",
```

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```
        "a10-url": "/axapi/v3/vrrp-a/force-self-standby-persistent/0"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/force-self-standby-persistent

force-self-standby-persistent-list

Modify Object

POST

/axapi/v3/vrrp-a/force-self-standby-persistent/{vrid}

force-self-standby-persistent attributes

Replace Object

PUT

/axapi/v3/vrrp-a/force-self-standby-persistent/{vrid}

force-self-standby-persistent attributes

```
PUT /axapi/v3/vrrp-a/force-self-standby-persistent/0
Payload:
{
    "force-self-standby-persistent": {
        "vrid": 0
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/force-self-standby-persistent

force-self-standby-persistent-list

Delete Object

DELETE

/axapi/v3/vrrp-a/force-self-standby-persistent/{vrid}

force-self-standby-persistent attributes

```
DELETE /axapi/v3/vrrp-a/force-self-standby-persistent/0
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

force-self-standby-persistent-list

force-self-standby-persistent-list is **JSON List** of *force-self-standby-persistent attributes*

force-self-standby-persistent-list : [

{ *force-self-standby-persistent attributes* },

{ *force-self-standby-persistent attributes* },

...

]

force-self-standby-persistent attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify one VRRP-A vrid to force into standby state

Type: number

Range: 0-31

2.117.5 vrrp-a interface

VRRP-A interface

interface Specification

Type	*Intermediate Resource*
Element Name	interface
Element URI	/axapi/v3/vrrp-a/interface
Element Attributes	interface_attributes
Schema	`interface schema`

Operations Allowed:

Get Object

GET

/axapi/v3/vrrp-a/interface

interface_attributes

interface attributes

ethernet-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/interface/ethernet/{ethernet-val}*

trunk-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/interface/trunk/{trunk-val}*

trunk-list

Specification	
Type	*list*
Block object keys	

both

Description both a router and server interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: both router-interface and server-interface are mutually exclusive

no-heartbeat

Description do not send out heartbeat packet from this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: no-heartbeat and vlan are mutually exclusive

router-interface

Description interface to upstream router

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: router-interface server-interface and both are mutually exclusive

server-interface

Description interface to real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-interface router-interface and both are mutually exclusive

trunk-val

Description Ethernet Interface

Type: number

Range: 1-4096

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

trunk-list_vlan-cfg

Specification	
Type	*list*
Block object keys	

vlan

Description VLAN ID

Type: number

Range: 2-4094

Mutual Exclusion: vlan and no-heartbeat are mutually exclusive

ethernet-list

Specification	
Type	*list*
Block object keys	

both

Description both a router and server interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: both router-interface and server-interface are mutually exclusive

ethernet-val

Description Ethernet Interface

Type: number

Format: interface

no-heartbeat

Description do not send out heartbeat packet from this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: no-heartbeat and vlan are mutually exclusive

router-interface

Description interface to upstream router

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: router-interface server-interface and both are mutually exclusive

server-interface

Description interface to real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-interface router-interface and both are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

ethernet-list_vlan-cfg

Specification	
Type	*list*
Block object keys	

vlan

Description VLAN ID

Type: number

Range: 2-4094

Mutual Exclusion: vlan and no-heartbeat are mutually exclusive

2.117.6 vrrp-a interface ethernet

VRRP-A interface ethernet

ethernet Specification

Type	*Collection*
Object Key(s)	*ethernet-val*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/vrrp-a/interface/ethernet
Element Name	ethernet
Element URI	/axapi/v3/vrrp-a/interface/ethernet/{ethernet-val}
Element Attributes	ethernet_attributes
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/interface/ethernet

ethernet attributes

```
POST /axapi/v3/vrrp-a/interface/ethernet/
Payload:
{
    "ethernet": {
        "ethernet-val": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/interface/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/vrrp-a/interface/ethernet/{ethernet-val}

ethernet attributes

```
GET /axapi/v3/vrrp-a/interface/ethernet/1
Reponse:
{
    "ethernet": {
        "ethernet-val": 1,
        "router-interface": 0,
        "no-heartbeat": 0,
        "uuid": "fb3c21ee-5c12-11d9-adc9-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/vrrp-a/interface/ethernet/1"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/interface/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/vrrp-a/interface/ethernet/{ethernet-val}

ethernet attributes

Replace Object

PUT

/axapi/v3/vrrp-a/interface/ethernet/{ethernet-val}

ethernet attributes

```
PUT /axapi/v3/vrrp-a/interface/ethernet/1
Payload:
{
    "ethernet": {
        "ethernet-val": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/interface/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/vrrp-a/interface/ethernet/{ethernet-val}

ethernet attributes

```
DELETE /axapi/v3/vrrp-a/interface/ethernet/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

ethernet-list : [

{ *ethernet attributes* },

{ *ethernet attributes* },

...

]

ethernet attributes

both

Description both a router and server interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: both router-interface and server-interface are mutually exclusive

ethernet-val

Description Ethernet Interface

Type: number

Format: interface

no-heartbeat

Description do not send out heartbeat packet from this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: no-heartbeat and vlan are mutually exclusive

router-interface

Description interface to upstream router

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: router-interface server-interface and both are mutually exclusive

server-interface

Description interface to real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-interface router-interface and both are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

vlan-cfg

Specification	
Type	*list*
Block object keys	

vlan

Description VLAN ID

Type: number

Range: 2-4094

Mutual Exclusion: vlan and no-heartbeat are mutually exclusive

2.117.7 vrrp-a interface trunk

VRRP-A interface trunk

trunk Specification

Type	*Collection*
Object Key(s)	*trunk-val*
Collection Name	*trunk-list*
Collection URI	/axapi/v3/vrrp-a/interface/trunk
Element Name	trunk
Element URI	/axapi/v3/vrrp-a/interface/trunk/{trunk-val}
Element Attributes	trunk_attributes
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/interface/trunk

trunk attributes

```
POST /axapi/v3/vrrp-a/interface/trunk/
Payload:
{
    "trunk": {
        "trunk-val": 1,
        "user-tag": "a",
        "vlan": 2
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/interface/trunk

trunk attributes

Get Object

GET

/axapi/v3/vrrp-a/interface/trunk/{trunk-val}

trunk attributes

```
GET /axapi/v3/vrrp-a/interface/trunk/1
Reponse:
{
    "trunk": {
        "trunk-val": 1,
        "router-interface": 1,
        "no-heartbeat": 0,
        "uuid": "16d18840-5c13-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/interface/trunk/1"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/interface/trunk

trunk-list

Modify Object

POST

/axapi/v3/vrrp-a/interface/trunk/{trunk-val}

trunk attributes

Replace Object

PUT

/axapi/v3/vrrp-a/interface/trunk/{trunk-val}

trunk attributes

```
PUT /axapi/v3/vrrp-a/interface/trunk/1
Payload:
{
    "trunk": {
        "trunk-val": 1,
        "router-interface": 0
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/interface/trunk

trunk-list

Delete Object

DELETE

/axapi/v3/vrrp-a/interface/trunk/{trunk-val}

trunk attributes

```
DELETE /axapi/v3/vrrp-a/interface/trunk/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

trunk-list

trunk-list is **JSON List** of *trunk attributes*

trunk-list : [

{ *trunk attributes* },

{ *trunk attributes* },

...

]

trunk attributes

both

Description both a router and server interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: both router-interface and server-interface are mutually exclusive

no-heartbeat

Description do not send out heartbeat packet from this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: no-heartbeat and vlan are mutually exclusive

router-interface

Description interface to upstream router

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: router-interface server-interface and both are mutually exclusive

server-interface

Description interface to real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-interface router-interface and both are mutually exclusive

trunk-val

Description Ethernet Interface

Type: number

Range: 1-4096

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

vlan-cfg

Specification	
Type	*list*
Block object keys	

vlan

Description VLAN ID

Type: number

Range: 2-4094

Mutual Exclusion: vlan and no-heartbeat are mutually exclusive

2.117.8 vrrp-a l2-inline-peer-ip

Peer IP for Layer 2 inline mode

l2-inline-peer-ip Specification

Type	*Collection*
Object Key(s)	*ip-address*
Collection Name	*l2-inline-peer-ip-list*
Collection URI	/axapi/v3/vrrp-a/l2-inline-peer-ip
Element Name	l2-inline-peer-ip
Element URI	/axapi/v3/vrrp-a/l2-inline-peer-ip/{ip-address}
Element Attributes	l2-inline-peer-ip_attributes
Schema	`l2-inline-peer-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/l2-inline-peer-ip

l2-inline-peer-ip attributes

```
POST /axapi/v3/vrrp-a/l2-inline-peer-ip/
Payload:
{
    "l2-inline-peer-ip": {
        "ip-address": "3.3.3.3"
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/l2-inline-peer-ip

l2-inline-peer-ip attributes

Get Object

GET

/axapi/v3/vrrp-a/l2-inline-peer-ip/{ip-address}

l2-inline-peer-ip attributes

```
GET /axapi/v3/vrrp-a/l2-inline-peer-ip/3.3.3.3
Reponse:
{
    "l2-inline-peer-ip": {
        "ip-address": "3.3.3.3",
        "uuid": "59761f0e-5c12-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/l2-inline-peer-ip/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/l2-inline-peer-ip

l2-inline-peer-ip-list

Modify Object

POST

/axapi/v3/vrrp-a/l2-inline-peer-ip/{ip-address}

l2-inline-peer-ip attributes

Replace Object

PUT

/axapi/v3/vrrp-a/l2-inline-peer-ip/{ip-address}

l2-inline-peer-ip attributes

```
PUT /axapi/v3/vrrp-a/l2-inline-peer-ip/3.3.3.3
Payload:
{
    "l2-inline-peer-ip": {
        "ip-address": "3.3.3.3"
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/l2-inline-peer-ip

l2-inline-peer-ip-list

Delete Object

DELETE

/axapi/v3/vrrp-a/l2-inline-peer-ip/{ip-address}

l2-inline-peer-ip attributes

```
DELETE /axapi/v3/vrrp-a/l2-inline-peer-ip/3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

l2-inline-peer-ip-list

l2-inline-peer-ip-list is **JSON List** of *l2-inline-peer-ip attributes*

l2-inline-peer-ip-list : [

{ *l2-inline-peer-ip attributes* },

{ *l2-inline-peer-ip attributes* },

...

]

l2-inline-peer-ip attributes

ip-address

Description IP address (IPv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.9 vrrp-a l3-inline-mode-flag

Enable OSPF under Layer 3 Inline Hot Standby Mode

l3-inline-mode-flag Specification

Type	*Configuration Resource*
Element Name	l3-inline-mode-flag
Element URI	/axapi/v3/vrrp-a/l3-inline-mode-flag
Element Attributes	l3-inline-mode-flag_attributes
Schema	`l3-inline-mode-flag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/l3-inline-mode-flag

l3-inline-mode-flag attributes

```
POST /axapi/v3/vrrp-a/l3-inline-mode-flag
Payload:
{
    "l3-inline-mode-flag": {
        "l3-inline-mode": 1
    }
}
```

Get Object

GET

/axapi/v3/vrrp-a/l3-inline-mode-flag

l3-inline-mode-flag attributes

```
GET /axapi/v3/vrrp-a/l3-inline-mode-flag
Reponse:
{
    "l3-inline-mode-flag": {
        "l3-inline-mode": 1,
        "uuid": "66c2fe98-5c12-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/l3-inline-mode-flag"
    }
}
```

Modify Object

POST

/axapi/v3/vrrp-a/l3-inline-mode-flag

l3-inline-mode-flag attributes

Replace Object

PUT

/axapi/v3/vrrp-a/l3-inline-mode-flag

l3-inline-mode-flag attributes

```
PUT /axapi/v3/vrrp-a/l3-inline-mode-flag
Payload:
{
    "l3-inline-mode-flag": {
        "l3-inline-mode": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/vrrp-a/l3-inline-mode-flag

l3-inline-mode-flag attributes

```
DELETE /axapi/v3/vrrp-a/l3-inline-mode-flag
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

l3-inline-mode-flag attributes

l3-inline-mode

Description Enable Layer 3 Inline Hot Standby Mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.10 vrrp-a ospf-inline

Enable OSPF under Layer 3 Inline Hot Standby Mode

ospf-inline Specification

Type	*Collection*
Object Key(s)	*vlan*
Collection Name	*ospf-inline-list*
Collection URI	/axapi/v3/vrrp-a/ospf-inline
Element Name	ospf-inline
Element URI	/axapi/v3/vrrp-a/ospf-inline/{vlan}
Element Attributes	ospf-inline_attributes
Schema	`ospf-inline schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/ospf-inline

ospf-inline attributes

```
POST /axapi/v3/vrrp-a/ospf-inline/
Payload:
{
    "ospf-inline": {
        "vlan": 1
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/ospf-inline

ospf-inline attributes

Get Object

GET

/axapi/v3/vrrp-a/ospf-inline/{vlan}

ospf-inline attributes

```
GET /axapi/v3/vrrp-a/ospf-inline/1
Reponse:
{
    "ospf-inline": {
        "vlan": 1,
        "uuid": "75e7a5b8-5c12-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/ospf-inline/1"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/ospf-inline

ospf-inline-list

Modify Object

POST

/axapi/v3/vrrp-a/ospf-inline/{vlan}

ospf-inline attributes

Replace Object

PUT

/axapi/v3/vrrp-a/ospf-inline/{vlan}

ospf-inline attributes

```
PUT /axapi/v3/vrrp-a/ospf-inline/1
Payload:
{
    "ospf-inline": {
        "vlan": 1
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/ospf-inline

ospf-inline-list

Delete Object

DELETE

/axapi/v3/vrrp-a/ospf-inline/{vlan}

ospf-inline attributes

```
DELETE /axapi/v3/vrrp-a/ospf-inline/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ospf-inline-list

ospf-inline-list is **JSON List** of *ospf-inline attributes*

ospf-inline-list : [

{ *ospf-inline attributes* },

{ *ospf-inline attributes* },

...

]

ospf-inline attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description Do not filter OSPF packet on specific vlan (Vlan number)

Type: number

Range: 1-4094

2.117.11 vrrp-a peer-group

VRRP-A peer group

peer-group Specification

Type	*Configuration Resource*
Element Name	peer-group
Element URI	/axapi/v3/vrrp-a/peer-group
Element Attributes	peer-group_attributes
Schema	`peer-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/peer-group

peer-group attributes

```
POST /axapi/v3/vrrp-a/peer-group
Payload:
{
    "peer-group": {
        "peer": {
            "ip-peer-address-cfg": [
                {
                    "ip-peer-address": "3.3.3.3"
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/vrrp-a/peer-group

peer-group attributes

```
GET /axapi/v3/vrrp-a/peer-group
Reponse:
{
    "peer-group": {
        "peer": {
            "ip-peer-address-cfg": [
                {
                    "ip-peer-address": "3.3.3.3"
                }
            ]
        },
        "uuid": "409b8360-5c13-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/peer-group"
    }
}
```

Modify Object

POST

/axapi/v3/vrrp-a/peer-group

peer-group attributes

Replace Object

PUT

/axapi/v3/vrrp-a/peer-group

peer-group attributes

```
PUT /axapi/v3/vrrp-a/peer-group
Payload:
{
    "peer-group": {
```

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```
        "peer": {
            "ip-peer-address-cfg": [
                {
                    "ip-peer-address": "3.3.3.4"
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/vrrp-a/peer-group

peer-group attributes

```
DELETE /axapi/v3/vrrp-a/peer-group
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

peer-group attributes

peer

Description: peer is a **JSON Block**. Please see below for *peer*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

peer

Specification	
Type	*object*

ip-peer-address-cfg

Type: List

ipv6-peer-address-cfg

Type: List

peer_ip-peer-address-cfg

Specification	
Type	*list*
Block object keys	

ip-peer-address

Description IP Address

Type: string

Format: ipv4-address

peer_ipv6-peer-address-cfg

Specification	
Type	*list*
Block object keys	

ipv6-peer-address

Description IPV6 address

Type: string

Format: ipv6-address

2.117.12 vrrp-a preferred-session-sync-port

VRRP-A preferred-session-sync-port

preferred-session-sync-port Specification

Type	*Intermediate Resource*
Element Name	preferred-session-sync-port
Element URI	/axapi/v3/vrrp-a/preferred-session-sync-port
Element Attributes	preferred-session-sync-port_attributes
Schema	`preferred-session-sync-port schema`

Operations Allowed:

Get Object

GET

/axapi/v3/vrrp-a/preferred-session-sync-port

preferred-session-sync-port_attributes

preferred-session-sync-port attributes

ethernet-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/{pre-eth}*

trunk-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/preferred-session-sync-port/trunk/{pre-trunk}*

trunk-list

Specification	
Type	*list*
Block object keys	

pre-trunk

Description Trunk Interface number

Type: number

Range: 1-4096

pre-vlan

Description Interface VLAN (VLAN ID)

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	
Type	*list*
Block object keys	

pre-eth

Description Ethernet interface number

Type: number

Format: interface

pre-vlan

Description Interface VLAN (VLAN ID)

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.13 vrrp-a preferred-session-sync-port ethernet

preferred-session-sync-port ethernet

ethernet Specification

Type	*Collection*
Object Key(s)	*pre-eth*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet
Element Name	ethernet
Element URI	/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/{pre-eth}
Element Attributes	ethernet_attributes
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet

ethernet attributes

```
POST /axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/
Payload:
{
    "ethernet": {
        "pre-eth": 1
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/{pre-eth}

ethernet attributes

```
GET /axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/1
Reponse:
{
    "ethernet": {
        "pre-eth": 1,
        "uuid": "5b95dba2-5c13-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/1"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/{pre-eth}

ethernet attributes

Replace Object

PUT

/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/{pre-eth}

ethernet attributes

```
PUT /axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/1
Payload:
{
    "ethernet": {
        "pre-eth": 1
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/{pre-eth}

ethernet attributes

```
DELETE /axapi/v3/vrrp-a/preferred-session-sync-port/ethernet/1
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

ethernet-list : [

{ *ethernet attributes* },

{ *ethernet attributes* },

...

]

ethernet attributes

pre-eth

Description Ethernet interface number

Type: number

Format: interface

pre-vlan

Description Interface VLAN (VLAN ID)

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.14 vrrp-a preferred-session-sync-port trunk

preferred-session-sync-port trunk

trunk Specification

Type	*Collection*
Object Key(s)	*pre-trunk*
Collection Name	*trunk-list*
Collection URI	/axapi/v3/vrrp-a/preferred-session-sync-port/trunk
Element Name	trunk
Element URI	/axapi/v3/vrrp-a/preferred-session-sync-port/trunk/{pre-trunk}
Element Attributes	trunk_attributes
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/preferred-session-sync-port/trunk

trunk attributes

```
POST /axapi/v3/vrrp-a/preferred-session-sync-port/trunk/
Payload:
{
    "trunk": {
        "pre-trunk": 1,
        "pre-vlan": 2
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/preferred-session-sync-port/trunk

trunk attributes

Get Object

GET

/axapi/v3/vrrp-a/preferred-session-sync-port/trunk/{pre-trunk}

trunk attributes

```
GET /axapi/v3/vrrp-a/preferred-session-sync-port/trunk/1
Reponse:
{
    "trunk": {
        "pre-trunk": 1,
```

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```
        "pre-vlan": 2,
        "uuid": "6c653950-5c13-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/preferred-session-sync-port/trunk/1"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/preferred-session-sync-port/trunk

trunk-list

Modify Object

POST

/axapi/v3/vrrp-a/preferred-session-sync-port/trunk/{pre-trunk}

trunk attributes

Replace Object

PUT

/axapi/v3/vrrp-a/preferred-session-sync-port/trunk/{pre-trunk}

trunk attributes

```
PUT /axapi/v3/vrrp-a/preferred-session-sync-port/trunk/1
Payload:
{
    "trunk": {
        "pre-trunk": 1,
        "pre-vlan": 3
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/preferred-session-sync-port/trunk

trunk-list

Delete Object

DELETE

/axapi/v3/vrrp-a/preferred-session-sync-port/trunk/{pre-trunk}

trunk attributes

```
DELETE /axapi/v3/vrrp-a/preferred-session-sync-port/trunk/1
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

trunk-list

trunk-list is **JSON List** of *trunk attributes*

trunk-list : [

{ *trunk attributes* },

{ *trunk attributes* },

...

]

trunk attributes

pre-trunk

Description Trunk Interface number

Type: number

Range: 1-4096

pre-vlan

Description Interface VLAN (VLAN ID)

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.15 vrrp-a restart-port-list

Ports to be restarted on standby system after transition

restart-port-list Specification

Type	*Configuration Resource*
Element Name	restart-port-list
Element URI	/axapi/v3/vrrp-a/restart-port-list
Element Attributes	restart-port-list_attributes
Schema	`restart-port-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/restart-port-list

restart-port-list attributes

```
POST /axapi/v3/vrrp-a/restart-port-list
Payload:
{
    "restart-port-list": {
        "ethernet-cfg": [
            {
                "flap-ethernet-start": 1,
                "flap-ethernet-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/vrrp-a/restart-port-list

restart-port-list attributes

```
GET /axapi/v3/vrrp-a/restart-port-list
Reponse:
{
    "restart-port-list": {
        "ethernet-cfg": [
            {
                "flap-ethernet-start": 1,
                "flap-ethernet-end": 1
            }
        ],
        "uuid": "7e71b344-5c13-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/restart-port-list"
    }
}
```

Modify Object

POST

/axapi/v3/vrrp-a/restart-port-list

restart-port-list attributes

Replace Object

PUT

/axapi/v3/vrrp-a/restart-port-list

restart-port-list attributes

```
PUT /axapi/v3/vrrp-a/restart-port-list
Payload:
{
    "restart-port-list": {
        "ethernet-cfg": [
            {
                "flap-ethernet-start": 2,
                "flap-ethernet-end": 2
            }
        ]
    }
}
```

restart-port-list attributes

ethernet-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/restart-port-list/vrid/{vrid-val}*

vrid-list

Specification	
Type	*list*
Block object keys	

ethernet-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-val

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

Default: 0

vrid-list_ethernet-cfg

Specification	
Type	*list*
Block object keys	

flap-ethernet-end

Description Ethernet Port

Type: number

Format: interface

flap-ethernet-start

Description Ethernet Port

Type: number

Format: interface

ethernet-cfg

Specification	
Type	*list*
Block object keys	

flap-ethernet-end

Description Ethernet Port

Type: number

Format: interface

flap-ethernet-start

Description Ethernet Port

Type: number

Format: interface

2.117.16 vrrp-a restart-port-list vrid

Specify VRRP-A vrid

vrid Specification

Type	*Collection*
Object Key(s)	*vrid-val*
Collection Name	*vrid-list*
Collection URI	/axapi/v3/vrrp-a/restart-port-list/vrid
Element Name	vrid
Element URI	/axapi/v3/vrrp-a/restart-port-list/vrid/{vrid-val}
Element Attributes	vrid_attributes
Schema	`vrid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/restart-port-list/vrid

vrid attributes

```
POST /axapi/v3/vrrp-a/restart-port-list/vrid/
Payload:
{
    "vrid": {
        "vrid-val": 0,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/restart-port-list/vrid

vrid attributes

Get Object

GET

/axapi/v3/vrrp-a/restart-port-list/vrid/{vrid-val}

vrid attributes

```
GET /axapi/v3/vrrp-a/restart-port-list/vrid/0
Reponse:
{
    "vrid": {
        "vrid-val": 0,
        "uuid": "9e7387e4-5c13-11d9-adc9-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/vrrp-a/restart-port-list/vrid/0"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/restart-port-list/vrid

vrid-list

Modify Object

POST

/axapi/v3/vrrp-a/restart-port-list/vrid/{vrid-val}

vrid attributes

Replace Object

PUT

/axapi/v3/vrrp-a/restart-port-list/vrid/{vrid-val}

vrid attributes

```
PUT /axapi/v3/vrrp-a/restart-port-list/vrid/0
Payload:
{
    "vrid": {
        "vrid-val": 0,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/restart-port-list/vrid

vrid-list

Delete Object

DELETE

/axapi/v3/vrrp-a/restart-port-list/vrid/{vrid-val}

vrid attributes

```
DELETE /axapi/v3/vrrp-a/restart-port-list/vrid/0
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vrid-list

vrid-list is **JSON List** of *vrid attributes*

vrid-list : [

{ *vrid attributes* },

{ *vrid attributes* },

...

]

vrid attributes

ethernet-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-val

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

Default: 0

ethernet-cfg

Specification	
Type	*list*
Block object keys	

flap-ethernet-end

Description Ethernet Port

Type: number

Format: interface

flap-ethernet-start

Description Ethernet Port

Type: number

Format: interface

2.117.17 vrrp-a session-sync

Enable/Disable vrrp-a session sync

session-sync Specification

Type	*Configuration Resource*
Element Name	session-sync
Element URI	/axapi/v3/vrrp-a/session-sync
Element Attributes	session-sync_attributes
Schema	`session-sync schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/session-sync

session-sync attributes

Get Object

GET

/axapi/v3/vrrp-a/session-sync

session-sync attributes

Modify Object

POST

/axapi/v3/vrrp-a/session-sync

session-sync attributes

Replace Object

PUT

/axapi/v3/vrrp-a/session-sync

session-sync attributes

Delete Object

DELETE

/axapi/v3/vrrp-a/session-sync

session-sync attributes

session-sync attributes

action

Description 'enable': enable vrrp-a session sync (default); 'disable': disable vrrp-a session sync;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.18 vrrp-a state

HA VRRP-A Global Commands

state Specification

Type	*Configuration Resource*
Element Name	state
Element URI	/axapi/v3/vrrp-a/state
Element Attributes	state_attributes
Statistics Data URI	/axapi/v3/vrrp-a/state/stats
Schema	`state schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/state

state attributes

```
POST /axapi/v3/vrrp-a/state
Payload:
{
    "state": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/vrrp-a/state

state attributes

```
GET /axapi/v3/vrrp-a/state
Reponse:
{
    "state": {
        "uuid": "e2cac972-6c5f-11e9-b8b7-dbe69c1e923a",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/vrrp-a/state"
    }
}
```

Modify Object

POST

/axapi/v3/vrrp-a/state

state attributes

Replace Object

PUT

/axapi/v3/vrrp-a/state

state attributes

```
PUT /axapi/v3/vrrp-a/state
Payload:
```

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```
{
    "state": {
        "sampling-enable": [
            {
                "counters1": "sync_pkt_tx_counter"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/vrrp-a/state

state attributes

```
DELETE /axapi/v3/vrrp-a/state
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

state attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sync_pkt_tx_counter': Conn Sync Sent counter; 'sync_pkt_rcv_counter': Conn Sync Received counter; 'sync_rx_create_counter': Conn Sync Create Session Received counter; 'sync_rx_del_counter': Conn Sync Del Session Received counter; 'sync_rx_update_age_counter': Conn Sync Update Age Received counter; 'sync_tx_create_counter': Conn Sync Create Session Sent counter; 'sync_tx_del_counter':

Conn Sync Del Session Sent counter; 'sync_tx_update_age_counter': Conn Sync Update Age Sent counter; 'sync_rx_persist_create_counter': Conn Sync Create Persist Session Pkts Received counter; 'sync_rx_persist_del_counter': Conn Sync Delete Persist Session Pkts Received counter; 'sync_rx_persist_update_age_counter': Conn Sync Update Persist Age Pkts Received counter; 'sync_tx_persist_create_counter': Conn Sync Create Persist Session Pkts Sent counter; 'sync_tx_persist_del_counter': Conn Sync Delete Persist Session Pkts Sent counter; 'sync_tx_persist_update_age_counter': Conn Sync Update Persist Age Pkts Sent counter; 'query_pkt_tx_counter': Conn Query sent counter; 'query_pkt_rcv_counter': Conn Query Received counter; 'sync_tx_smp_radius_table_counter': Conn Sync Update LSN RADIUS Sent counter; 'sync_rx_smp_radius_table_counter': Conn Sync Update LSN RADIUS Received counter; 'query_tx_max_packed': Max Query Msg Per Packet; 'query_tx_min_packed': Min Query Msg Per Packet; 'query_pkt_invalid_idx_counter': Conn Query Invalid Interface; 'query_tx_get_buff_failed': Conn Query Get Buff Failure; 'query_rx_zero_info_counter': Conn Query Packet Empty; 'query_rx_full_info_counter': Conn Query Packet Full; 'query_rx_unk_counter': Conn Query Unknown Type; 'sync_pkt_invalid_idx_counter': Conn Sync Invalid Interface; 'sync_tx_get_buff_failed': Conn Sync Get Buff Failure; 'sync_tx_total_info_counter': Conn Sync Total Info Pkts Sent counter; 'sync_tx_create_ext_bit_counter': Conn Sync Create with Ext Sent counter; 'sync_tx_update_seqnos_counter': Conn Sync Update Seq Num Sent counter; 'sync_tx_min_packed': Max Sync Msg Per Packet; 'sync_tx_max_packed': Min Sync Msg Per Packet; 'sync_rx_len_invalid': Conn Sync Length Invalid; 'sync_persist_rx_len_invalid': Persist Conn Sync Length Invalid; 'sync_persist_rx_proto_not_supported': Persist Conn Sync Protocol Invalid; 'sync_persist_rx_type_invalid': Persist Conn Sync Type Invalid; 'sync_persist_rx_cannot_process_mandatory': Persist Conn Sync Process Mandatory Invalid; 'sync_persist_rx_ext_bit_process_error': Persist Conn Sync Proc Ext Bit Failure; 'sync_persist_rx_no_such_vport': Persist Conn Sync Virt Port Not Found; 'sync_persist_rx_vporttype_not_supported': Persist Conn Sync Virt Port Type Invalid; 'sync_persist_rx_no_such_rport': Persist Conn Sync Real Port Not Found; 'sync_persist_rx_no_such_sg_group': Persist Conn Sync No Service Group Found; 'sync_persist_rx_no_sg_group_info': Persist Conn Sync No Service Group Info Found; 'sync_persist_rx_conn_get_failed': Persist Conn Sync Get Conn Failure; 'sync_rx_no_such_vport': Conn Sync Virt Port Not Found; 'sync_rx_no_such_rport': Conn Sync Real Port Not Found; 'sync_rx_cannot_process_mandatory': Conn Sync Process Mandatory Invalid; 'sync_rx_ext_bit_process_error': Conn Sync Proc Ext Bit Failure; 'sync_rx_create_ext_bit_counter': Conn Sync Create with Ext Received counter; 'sync_rx_conn_exists': Conn Sync Create Conn Exists; 'sync_rx_conn_get_failed': Conn Sync Get Conn Failure; 'sync_rx_proto_not_supported': Conn Sync Protocol Invalid; 'sync_rx_no_dst_for_vport_inline': Conn Sync 'dst' not found for vport inline; 'sync_rx_no_such_nat_pool': Conn Sync NAT Pool Error; 'sync_rx_no_such_sg_node': Conn Sync no SG node found; 'sync_rx_del_no_such_session': Conn Sync Del Conn not Found; 'sync_rx_type_invalid': Conn Sync Type Invalid; 'sync_rx_zero_info_counter': Conn Sync Packet Empty; 'sync_rx_dcmsg_counter': Conn Sync forward CPU; 'sync_rx_total_info_counter': Conn Sync Total Info Pkts Received counter; 'sync_rx_update_seqnos_counter': Conn Sync Update Seq Num Received counter; 'sync_rx_unk_counter': Conn Sync Unknown Type; 'sync_rx_apptype_not_supported': Conn Sync App Type Invalid; 'sync_query_dcmsg_counter': Conn Sync query forward CPU; 'sync_get_buff_failed_rt': Conn Sync Get Buff Failure No Route; 'sync_get_buff_failed_port': Conn Sync Get Buff Failure Wrong Port; 'sync_rx_lsn_create_sby': Conn Sync LSN Create Standby; 'sync_rx_nat_create_sby': Conn Sync NAT Create Standby; 'sync_rx_nat_alloc_sby': Conn Sync NAT Alloc Standby; 'sync_rx_insert_tuple': Conn Sync Insert Tuple; 'sync_rx_sfw': Conn Sync SFW; 'sync_rx_create_static_sby': Conn Sync Create Static Standby; 'sync_rx_ext_pptp': Conn Sync Ext PPTP; 'sync_rx_ext_rtsp': Conn Sync Ext RTSP; 'sync_rx_reserve_ha': Conn Sync Reserve HA Conn; 'sync_rx_seq_deltas': Conn Sync Seq Deltas Fail-

ure; 'sync_rx_ftp_control': Conn Sync FTP Control Failure; 'sync_rx_ext_lsn_acl': Conn Sync LSN ACL Failure; 'sync_rx_ext_lsn_ac_idle_timeout': Conn Sync LSN ACL Idle Timeout Failure; 'sync_rx_ext_sip_alg': Conn Sync SIP TCP ALG Failure; 'sync_rx_ext_nat_mac': Conn Sync NAT MAC Failure; 'sync_tx_lsn_fullcone': Conn Sync Update LSN Fullcone Sent counter; 'sync_rx_lsn_fullcone': Conn Sync Update LSN Fullcone Received counter; 'sync_err_lsn_fullcone': Conn Sync LSN Fullcone Failure; 'sync_tx_update_sctp_conn_addr': Update SCTP Addresses Sent; 'sync_rx_update_sctp_conn_addr': Update SCTP Addresses Received; 'sync_rx_ext_dcfw_log': Conn Sync FIREWALL session logging information Failure;

Type: string

Supported Values: all, sync_pkt_tx_counter, sync_pkt_rcv_counter, sync_rx_create_counter, sync_rx_del_counter, sync_rx_update_age_counter, sync_tx_create_counter, sync_tx_del_counter, sync_tx_update_age_counter, sync_rx_persist_create_counter, sync_rx_persist_del_counter, sync_rx_persist_update_age_counter, sync_tx_persist_create_counter, sync_tx_persist_del_counter, sync_tx_persist_update_age_counter, query_pkt_tx_counter, query_pkt_rcv_counter, sync_tx_smp_radius_table_counter, sync_rx_smp_radius_table_counter, query_tx_max_packed, query_tx_min_packed, query_pkt_invalid_idx_counter, query_tx_get_buff_failed, query_rx_zero_info_counter, query_rx_full_info_counter, query_rx_unk_counter, sync_pkt_invalid_idx_counter, sync_tx_get_buff_failed, sync_tx_total_info_counter, sync_tx_create_ext_bit_counter, sync_tx_update_seqnos_counter, sync_tx_min_packed, sync_tx_max_packed, sync_rx_len_invalid, sync_persist_rx_len_invalid, sync_persist_rx_proto_not_supported, sync_persist_rx_type_invalid, sync_persist_rx_cannot_process_mandatory, sync_persist_rx_ext_bit_process_error, sync_persist_rx_no_such_vport, sync_persist_rx_vporttype_not_supported, sync_persist_rx_no_such_rport, sync_persist_rx_no_such_sg_group, sync_persist_rx_no_sg_group_info, sync_persist_rx_conn_get_failed, sync_rx_no_such_vport, sync_rx_no_such_rport, sync_rx_cannot_process_mandatory, sync_rx_ext_bit_process_error, sync_rx_create_ext_bit_counter, sync_rx_conn_exists, sync_rx_conn_get_failed, sync_rx_proto_not_supported, sync_rx_no_dst_for_vport_inline, sync_rx_no_such_nat_pool, sync_rx_no_such_sg_node, sync_rx_del_no_such_session, sync_rx_type_invalid, sync_rx_zero_info_counter, sync_rx_dcmsg_counter, sync_rx_total_info_counter, sync_rx_update_seqnos_counter, sync_rx_unk_counter, sync_rx_apptype_not_supported, sync_query_dcmsg_counter, sync_get_buff_failed_rt, sync_get_buff_failed_port, sync_rx_lsn_create_sby, sync_rx_nat_create_sby, sync_rx_nat_alloc_sby, sync_rx_insert_tuple, sync_rx_sfw, sync_rx_create_static_sby, sync_rx_ext_pptp, sync_rx_ext_rtsp, sync_rx_reserve_ha, sync_rx_seq_deltas, sync_rx_ftp_control, sync_rx_ext_lsn_acl, sync_rx_ext_lsn_ac_idle_timeout, sync_rx_ext_sip_alg, sync_rx_ext_h323_alg, sync_rx_ext_nat_mac, sync_tx_lsn_fullcone, sync_rx_lsn_fullcone, sync_err_lsn_fullcone, sync_tx_update_sctp_conn_addr, sync_rx_update_sctp_conn_addr, sync_rx_ext_nat_alg_tcp_info, sync_rx_ext_dcfw_rule_id, sync_rx_ext_dcfw_log, sync_rx_estab_counter, sync_tx_estab_counter, sync_rx_zone_failure_counter, sync_rx_ext_fw_http_logging, sync_rx_ext_dcfw_rule_idle_timeout, sync_rx_ext_fw_gtp_info, sync_rx_not_expect_sync_pkt, sync_rx_ext_fw_apps, sync_tx_mon_entity, sync_rx_mon_entity, sync_rx_ext_fw_gtp_log_info, sync_rx_ext_fw_gtp_u_info, sync_rx_ext_fw_gtp_ext_info, sync_rx_ext_fw_gtp_log_ext_info, sync_rx_ddos_drop_counter, sync_rx_invalid_sync_packet_counter, sync_pkt_empty_buff_counter, sync_pkt_no_sending_vgrp_counter, sync_pkt_no_receiving_vgrp_counter, sync_pkt_no_receiving_vgrp_counter, sync_pkt_failed_buff_copy_counter, sync_rx_bad_protocol_counter, sync_rx_no_vgrp_counter, sync_rx_by_inactive_peer_counter,

sync_rx_table_entry_update_counter, sync_rx_table_entry_create_counter

counters2

Description 'sync_rx_table_entry_del_counter': Conn Sync receive packet with table entry delete; 'sync_rx_aflex_update_counter': Conn Sync receive packet with aflex update; 'sync_rx_aflex_create_counter': Conn Sync receive packet with aflex create; 'sync_rx_aflex_del_counter': Conn Sync receive packet with aflex delete; 'sync_rx_aflex_frag_counter': Conn Sync receive packet with aflex fragment; 'query_rx_invalid_partition_counter': Conn Sync receive query packet with invalid partition; 'query_rx_invalid_ha_group_counter': Conn Sync receive query packet with invalid ha group; 'query_rx_invalid_sync_version_counter': Conn Sync receive query packet with invalid sync version; 'query_rx_invalid_msg_dir_counter': Conn Sync receive query packet with invalid message dir; 'sync_rx_out_of_order_pkt_counter': total number of out of order packets received; 'sync_rx_unreached_pkt_counter': total number of unreached packets;

Type: string

Supported Values: sync_rx_table_entry_del_counter, sync_rx_aflex_update_counter, sync_rx_aflex_create_counter, sync_rx_aflex_del_counter, sync_rx_aflex_frag_counter, query_rx_invalid_partition_counter, query_rx_invalid_ha_group_counter, query_rx_invalid_sync_version_counter, query_rx_invalid_msg_dir_counter, sync_rx_out_of_order_pkt_counter, sync_rx_unreached_pkt_counter, sync_rx_ext_fw_gtp_echo_ext_info, sync_rx_smp_create_counter, sync_rx_smp_delete_counter, sync_rx_smp_update_counter, sync_tx_smp_create_counter, sync_tx_smp_delete_counter, sync_tx_smp_update_counter, sync_rx_smp_clear_counter, sync_tx_smp_clear_counter, sync_rx_ext_fw_so_shadow_ext_info, sync_tx_aflex_table_entry_add_counter, sync_rx_aflex_table_entry_add_counter, sync_tx_aflex_table_entry_append_counter, sync_rx_aflex_table_entry_append_counter, sync_tx_aflex_table_entry_delete_counter, sync_rx_aflex_table_entry_delete_counter, sync_tx_aflex_table_entry_incr_counter, sync_rx_aflex_table_entry_incr_counter, sync_tx_aflex_table_entry_lookup_counter, sync_rx_aflex_table_entry_lookup_counter, sync_tx_aflex_table_entry_lifetime_counter, sync_rx_aflex_table_entry_lifetime_counter, sync_tx_aflex_table_entry_replace_counter, sync_rx_aflex_table_entry_replace_counter, sync_tx_aflex_table_entry_set_counter, sync_rx_aflex_table_entry_set_counter, sync_tx_aflex_table_entry_timeout_counter, sync_rx_aflex_table_entry_timeout_counter, sync_tx_aflex_table_entry_fastsync_counter, sync_rx_aflex_table_entry_fastsync_counter, sync_tx_aflex_table_entry_error_counter, sync_tx_aflex_table_entry_not_eligible_counter, sync_rx_ext_fw_limit_entry

stats data

	Counter	Size	Description
	sync_rx_nat_create_sby	8	Conn Sync NAT Create Standby
	sync_rx_type_invalid	8	Conn Sync Type Invalid
	sync_tx_smp_clear_counter	2	Sync Clear SMP Session Pkts Sent counter
	sync_rx_aflex_table_entry_fastsync_counter	8	Sync receive packet with aflex table entry fast sync
	sync_persist_rx_no_such_sg_group	8	Persist Conn Sync No Service Group Found
	sync_rx_ddos_drop_counter	8	Conn Sync receive ddos protect packet
	sync_rx_conn_exists	8	Conn Sync Create Conn Exists
	sync_get_buff_failed_port	8	Conn Sync Get Buff Failure Wrong Port
	sync_tx_smp_radius_table_counter	2	Conn Sync Update LSN RADIUS Sent counter

continues on next page

Table 2.77 – continued from previous page

	Counter	Size	Description
	query_rx_invalid_msg_dir_counter	8	Conn Sync receive query packet with invalid message dir
	sync_tx_aflex_table_entry_replace_counter	8	Sync send packet with aflex table entry replace
	sync_tx_total_info_counter	8	Conn Sync Total Info Pkts Sent counter
	sync_tx_aflex_table_entry_timeout_counter	8	Sync send packet with aflex table entry timeout
	sync_rx_nat_alloc_sby	8	Conn Sync NAT Alloc Standby
	sync_tx_smp_update_counter	2	Sync Update SMP Session Pkts Sent counter
	sync_rx_cannot_process_mandatory	8	Conn Sync Process Mandatory Invalid
	query_tx_min_packed	2	Min Query Msg Per Packet
	sync_rx_ext_bit_process_error	8	Conn Sync Proc Ext Bit Failure
	sync_rx_aflex_table_entry_lookup_counter	8	Sync receive packet with aflex table entry lookup
	sync_rx_ext_nat_mac	8	Conn Sync NAT MAC Failure
	sync_rx_aflex_frag_counter	8	Conn Sync receive packet with aflex fragment
	sync_rx_lsn_fullcone	8	Conn Sync Update LSN Fullcone Received counter
	query_pkt_tx_counter	2	Conn Query sent counter
	sync_rx_ext_nat_alg_tcp_info	8	Conn Sync NAT ALG TCP Information
	sync_tx_aflex_table_entry_fastsync_counter	8	Sync send packet with aflex table entry fast sync
	sync_rx_estab_counter	8	Conn Sync rcv established state
	sync_rx_not_expect_sync_pkt	8	unexpected session sync packets
	sync_rx_unk_counter	8	Conn Sync Unknown Type
	sync_tx_create_counter	2	Conn Sync Create Session Sent counter
	sync_rx_zone_failure_counter	8	Conn Sync Zone Failure
	sync_persist_rx_len_invalid	8	Persist Conn Sync Length Invalid
	sync_rx_mon_entity	8	Acos monitoring Entities Sync Messages Received
	sync_tx_aflex_table_entry_not_eligible_counter	8	send of aflex table entry not eligible
	sync_rx_create_counter	2	Conn Sync Create Session Received counter
	sync_tx_aflex_table_entry_add_counter	8	Sync send packet with aflex table entry add
	sync_rx_aflex_update_counter	8	Conn Sync receive packet with aflex update
	sync_pkt_rcv_counter	2	Conn Sync Received counter
	sync_rx_len_invalid	8	Conn Sync Length Invalid
	sync_tx_aflex_table_entry_incr_counter	8	Sync send packet with aflex table entry incr
	sync_rx_ftp_control	8	Conn Sync FTP Control Failure
	sync_rx_persist_create_counter	2	Conn Sync Create Persist Session Pkts Received counter
	sync_rx_ext_lsn_acl	8	Conn Sync LSN ACL Failure
	sync_rx_aflex_del_counter	8	Conn Sync receive packet with aflex delete
	sync_rx_ext_rtsp	8	Conn Sync Ext RTSP
	sync_rx_update_seqnos_counter	8	Conn Sync Update Seq Num Received counter
	sync_rx_ext_fw_gtp_log_info	8	FW GTP Log Info Received
	sync_rx_conn_get_failed	8	Conn Sync Get Conn Failure
	sync_tx_persist_del_counter	2	Conn Sync Delete Persist Session Pkts Sent counter
	sync_rx_smp_clear_counter	2	Sync Clear SMP Session Pkts Received counter
	sync_rx_ext_fw_gtp_info	8	FW GTP Info Received
	sync_tx_del_counter	2	Conn Sync Del Session Sent counter
	sync_tx_persist_update_age_counter	2	Conn Sync Update Persist Age Pkts Sent counter
	sync_persist_rx_sporttype_not_supported	8	Persist Conn Sync Virt Port Type Invalid
	sync_rx_smp_update_counter	2	Sync Update SMP Session Pkts Received counter
	sync_rx_out_of_order_pkt_counter	8	total number of out of order packets received
	sync_tx_update_sctp_conn_addr	8	Update SCTP Addresses Sent
	sync_rx_ext_fw_http_logging	8	FW HTTP Logging Sync Failures

continues on next page

Table 2.77 – continued from previous page

	Counter	Size	Description
	sync_rx_dcmsg_counter	8	Conn Sync forward CPU
	sync_rx_del_no_such_session	8	Conn Sync Del Conn not Found
	sync_tx_aflex_table_entry_set_counter	8	Sync send packet with aflex table entry set
	sync_rx_smp_delete_counter	2	Sync Delete SMP Session Pkts Received counter
	sync_tx_persist_create_counter	2	Conn Sync Create Persist Session Pkts Sent counter
	sync_rx_smp_radius_table_counter	2	Conn Sync Update LSN RADIUS Received counter
	sync_tx_update_seqnos_counter	8	Conn Sync Update Seq Num Sent counter
	sync_rx_total_info_counter	8	Conn Sync Total Info Pkts Received counter
	sync_tx_get_buff_failed	8	Conn Sync Get Buff Failure
	sync_tx_estab_counter	8	Conn Sync send established state
	sync_rx_create_ext_bit_counter	8	Conn Sync Create with Ext Received counter
	sync_rx_no_such_sg_node	8	Conn Sync no SG node found
	sync_rx_aflex_table_entry_append_counter	8	Sync receive packet with aflex table entry append
	sync_rx_aflex_table_entry_lifetime_counter	8	Sync receive packet with aflex table entry lifetime
	sync_tx_update_age_counter	2	Conn Sync Update Age Sent counter
	sync_pkt_failed_buff_copy_counter	8	Conn Sync drop sending packet for failure in sending buffer copy
	sync_rx_lsn_create_sby	8	Conn Sync LSN Create Standby
	sync_get_buff_failed_rt	8	Conn Sync Get Buff Failure No Route
	sync_rx_ext_fw_gtp_log_ext_info	8	FW GTP Ext Log Info Received
	sync_tx_create_ext_bit_counter	8	Conn Sync Create with Ext Sent counter
	sync_tx_max_packed	2	Min Sync Msg Per Packet
	sync_rx_persist_update_age_counter	2	Conn Sync Update Persist Age Pkts Received counter
	sync_tx_aflex_table_entry_delete_counter	8	Sync send packet with aflex table entry delete
	sync_rx_table_entry_update_counter	8	Conn Sync receive packet with table entry update
	sync_rx_sfw	8	Conn Sync SFW
	sync_rx_bad_protocol_counter	8	Conn Sync receive packet with bad protocol
	sync_tx_aflex_table_entry_lookup_counter	8	Sync send packet with aflex table entry lookup
	sync_rx_seq_deltas	8	Conn Sync Seq Deltas Failure
	sync_tx_aflex_table_entry_error_counter	8	Error on send packet with aflex table entry
	sync_rx_ext_dcfw_rule_id	8	Conn Sync FIREWALL session rule ID information Failure
	sync_rx_proto_not_supported	8	Conn Sync Protocol Invalid
	query_pkt_invalid_idx_counter	8	Conn Query Invalid Interface
	sync_rx_create_static_sby	8	Conn Sync Create Static Standby
	sync_rx_aflex_table_entry_timeout_counter	8	Sync receive packet with aflex table entry timeout
	sync_rx_aflex_table_entry_replace_counter	8	Sync receive packet with aflex table entry replace
	sync_rx_persist_del_counter	2	Conn Sync Delete Persist Session Pkts Received counter
	sync_rx_update_age_counter	2	Conn Sync Update Age Received counter
	sync_rx_ext_fw_limit_entry	8	Sync FW Limit Entry Info Failure
	sync_rx_smp_create_counter	2	Sync Create SMP Session Pkts Received counter
	sync_rx_table_entry_del_counter	8	Conn Sync receive packet with table entry delete
	sync_tx_smp_create_counter	2	Sync Create SMP Session Pkts Sent counter
	query_tx_max_packed	2	Max Query Msg Per Packet
	sync_persist_rx_ext_bit_process_error	8	Persist Conn Sync Proc Ext Bit Failure
	query_pkt_rcv_counter	2	Conn Query Received counter
	sync_rx_zero_info_counter	8	Conn Sync Packet Empty
	sync_pkt_tx_counter	2	Conn Sync Sent counter
	sync_rx_ext_sip_alg	8	Conn Sync SIP TCP ALG Failure

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Table 2.77 – continued from previous page

	Counter	Size	Description
	sync_rx_no_vgrp_counter	8	Conn Sync receive packet with no virtual group
	query_rx_invalid_ha_group_counter	8	Conn Sync receive query packet with invalid ha group
	sync_rx_reserve_ha	8	Conn Sync Reserve HA Conn
	sync_tx_smp_delete_counter	2	Sync Delete SMP Session Pkts Sent counter
	sync_rx_table_entry_create_counter	8	Conn Sync receive packet with table entry create
	sync_tx_aflex_table_entry_append_counter	8	Sync send packet with aflex table entry append
	sync_rx_ext_pptp	8	Conn Sync Ext PPTP
	sync_persist_rx_type_invalid	8	Persist Conn Sync Type Invalid
	sync_rx_insert_tuple	8	Conn Sync Insert Tuple
	sync_rx_aflex_table_entry_incr_counter	8	Sync receive packet with aflex table entry incr
	sync_rx_no_such_nat_pool	8	Conn Sync NAT Pool Error
	sync_pkt_invalid_idx_counter	8	Conn Sync Invalid Interface
	sync_rx_ext_fw_so_shadow_ext_info	8	FW Scaleout Shadow Ext Info Received
	sync_tx_lsn_fullcone	8	Conn Sync Update LSN Fullcone Sent counter
	sync_rx_apptype_not_supported	8	Conn Sync App Type Invalid
	sync_pkt_no_sending_vgrp_counter	8	Conn Sync drop sending packet for invalid sending virtual group
	sync_pkt_empty_buff_counter	8	Conn Sync drop sending packet for empty buffer
	query_rx_invalid_sync_version_counter	8	Conn Sync receive query packet with invalid sync version
	sync_pkt_no_receiving_vgrp_counter	8	Conn Sync drop sending packet for invalid receiving ip
	query_rx_zero_info_counter	8	Conn Query Packet Empty
	sync_persist_rx_no_such_rport	8	Persist Conn Sync Real Port Not Found
	sync_rx_by_inactive_peer_counter	8	Conn Sync receive packet by inactive peer
	sync_persist_rx_no_such_vport	8	Persist Conn Sync Virt Port Not Found
	sync_rx_aflex_table_entry_delete_counter	8	Sync receive packet with aflex table entry delete
	query_tx_get_buff_failed	8	Conn Query Get Buff Failure
	sync_rx_ext_h323_alg	8	Conn Sync H323 TCP ALG Failure
	sync_rx_ext_fw_apps	8	Conn Sync FIREWALL application information Failure
	sync_persist_rx_cannot_process_mandatory	8	Persist Conn Sync Process Mandatory Invalid
	sync_rx_ext_dcfw_log	8	Conn Sync FIREWALL session logging information Failure
	sync_rx_invalid_sync_packet_counter	8	Conn Sync receive invalid packet
	sync_tx_aflex_table_entry_lifetime_counter	8	Sync send packet with aflex table entry lifetime
	sync_persist_rx_proto_not_supported	8	Persist Conn Sync Protocol Invalid
	sync_rx_aflex_create_counter	8	Conn Sync receive packet with aflex create
	sync_persist_rx_conn_get_failed	8	Persist Conn Sync Get Conn Failure
	sync_rx_ext_fw_gtp_echo_ext_info	8	FW GTP Echo Ext Info Received
	sync_rx_ext_lsn_acl_idle_timeout	8	Conn Sync LSN ACL Idle Timeout Failure
	sync_err_lsn_fullcone	8	Conn Sync LSN Fullcone Failure
	sync_tx_min_packed	2	Max Sync Msg Per Packet
	query_rx_unk_counter	8	Conn Query Unknown Type
	sync_rx_update_sctp_conn_addr	8	Update SCTP Addresses Received
	sync_tx_mon_entity	8	Acos Monitoring Entities Sync Messages Sent
	sync_rx_aflex_table_entry_set_counter	8	Sync receive packet with aflex table entry set
	sync_persist_rx_no_sg_group_info	8	Persist Conn Sync No Service Group Info Found
	sync_rx_no_such_vport	8	Conn Sync Virt Port Not Found
	sync_rx_aflex_table_entry_add_counter	8	Sync receive packet with aflex table entry add
	sync_rx_no_such_rport	8	Conn Sync Real Port Not Found
	sync_rx_unreached_pkt_counter	8	total number of unreached packets

continues on next page

Table 2.77 – continued from previous page

	Counter	Size	Description
	sync_rx_ext_dcfw_rule_idle_timeout	8	Conn Sync FIREWALL session rule idle timeout information Failure
	sync_rx_del_counter	2	Conn Sync Del Session Received counter
	query_rx_full_info_counter	8	Conn Query Packet Full
	sync_rx_ext_fw_gtp_u_info	8	FW GTP U Info Received
	query_rx_invalid_partition_counter	8	Conn Sync receive query packet with invalid partition
	sync_query_dcmsg_counter	8	Conn Sync query forward CPU
	sync_rx_no_dst_for_vport_inline	8	Conn Sync 'dst' not found for vport inline
	sync_rx_ext_fw_gtp_ext_info	8	FW GTP Ext Info Received

2.117.19 vrrp-a vrid

Specify VRRP-A vrid

vrid Specification

Type	*Collection*
Object Key(s)	*vrid-val*
Collection Name	*vrid-list*
Collection URI	/axapi/v3/vrrp-a/vrid
Element Name	vrid
Element URI	/axapi/v3/vrrp-a/vrid/{vrid-val}
Element Attributes	vrid_attributes
Statistics Data URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/stats
Operational Data URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/oper
Schema	`vrid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/vrid

vrid attributes

```
POST /axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/gateway/ipv4-gateway/
Payload:
{
    "ipv4-gateway": {
        "ip-address": "3.3.3.3",
        "priority-cost": 1
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/vrid

vrid attributes

Get Object

GET

/axapi/v3/vrrp-a/vrid/{vrid-val}

vrid attributes

```
GET /axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/gateway/ipv4-gateway/3.
↪3.3.3
Reponse:
{
    "ipv4-gateway": {
        "ip-address": "3.3.3.3",
        "priority-cost": 1,
        "uuid": "525918f0-5c14-11d9-adc9-001fa00680a0",
        "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/gateway/
↪ipv4-gateway/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/vrid

vrid-list

Modify Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}

vrid attributes

Replace Object

PUT

/axapi/v3/vrrp-a/vrid/{vrid-val}

vrid attributes

```
PUT /axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/gateway/ipv4-gateway/3.
↪3.3.3
Payload:
{
    "ipv4-gateway": {
        "ip-address": "3.3.3.3",
        "priority-cost": 1
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/vrid

vrid-list

Delete Object

DELETE

/axapi/v3/vrrp-a/vrid/{vrid-val}

vrid attributes

```
DELETE /axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/gateway/ipv4-gateway/
↪3.3.3.3
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

vrid-list

vrid-list is **JSON List** of *vrid attributes*

vrid-list : [

{ *vrid attributes* },

{ *vrid attributes* },

...

]

vrid attributes

blade-parameters

Description: blade-parameters is a **JSON Block**. Please see below for *blade-parameters*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters*

floating-ip

Description: floating-ip is a **JSON Block**. Please see below for *floating-ip*

Type: Object

follow

Description: follow is a **JSON Block**. Please see below for *follow*

Type: Object

pair-follow

Description: pair-follow is a **JSON Block**. Please see below for *pair-follow*

Type: Object

preempt-mode

Description: preempt-mode is a **JSON Block**. Please see below for *preempt-mode*

Type: Object

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-val

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

Default: 0

pair-follow

Specification	
Type	*object*

pair-follow

Description Follow other VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid-lead

Description Define a VRRP-A VRID leader

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

blade-parameters

Specification	
Type	*object*

fail-over-policy-template

Description Apply a fail over policy template (VRRP-A fail over policy template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vrrp-a/fail-over-policy-template*

priority

Description VRRP-A priorty (Priority, default is 150)

Type: number

Range: 1-255

Default: 150

tracking-options

Description: tracking-options is a **JSON Block**. Please see below for *blade-parameters_tracking-options*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

blade-parameters_tracking-options

Specification	
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *blade-parameters_tracking-options_bgp*

Type: Object

gateway

Description: gateway is a **JSON Block**. Please see below for *blade-parameters_tracking-options_gateway*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway*

interface

Type: List

route

Description: route is a **JSON Block**. Please see below for *blade-parameters_tracking-options_route*

Type: Object

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

blade-parameters_tracking-options_vlan-cfg

Specification	
Type	*list*
Block object keys	

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

timeout

Description

Type: number

Range: 2-600

vlan

Description VLAN tracking (VLAN id)

Type: number

Range: 1-4094

blade-parameters_tracking-options_route

Specification	
Type	*object*

ip-destination-cfg

Type: List

ipv6-destination-cfg

Type: List

blade-parameters_tracking-options_route_ipv6-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gatewayv6

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv6-address

ipv6-destination

Description IPv6 Destination Prefix

Type: string

Format: ipv6-address-plen

priority-cost

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

blade-parameters_tracking-options_route_ip-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gateway

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv4-address

ip-destination

Description Destination prefix

Type: string

Format: ipv4-address

mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask

priority-cost

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

blade-parameters_tracking-options_bgp

Specification	
Type	*object*

bgp-ipv4-address-cfg

Type: List

bgp-ipv6-address-cfg

Type: List

blade-parameters_tracking-options_bgp_bgp-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv4-address

Description bgp IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

blade-parameters_tracking-options_bgp_bgp-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

blade-parameters_tracking-options_interface

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

blade-parameters_tracking-options_gateway

Specification	
Type	*object*

ipv4-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}*

ipv6-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}*

blade-parameters_tracking-options_gateway_ipv4-gateway-list

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

blade-parameters_tracking-options_gateway_ipv6-gateway-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

blade-parameters_tracking-options_trunk-cfg

Specification	
Type	*list*
Block object keys	

per-port-pri

Description per port priority

Type: number

Range: 0-255

Default: 0

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

trunk

Description trunk tracking (Trunk Number)

Type: number

Range: 1-4096

floating-ip

Specification	
Type	*object*

ip-address-cfg

Type: List

ip-address-part-cfg

Type: List

ipv6-address-cfg

Type: List

ipv6-address-part-cfg

Type: List

floating-ip_ipv6-address-part-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet (for link-local address only)

Type: number

Format: interface

ipv6-address-partition

Description IPV6 address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (for link-local address only)

Type: number

Range: 1-4096

ve

Description VE interface (for link-local address only)

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

floating-ip_ip-address-cfg

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address

Type: string

Format: ipv4-address

floating-ip_ip-address-part-cfg

Specification	
Type	*list*
Block object keys	

ip-address-partition

Description IP Address

Type: string

Format: ipv4-address

floating-ip_ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet (for link-local address only)

Type: number

Format: interface

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (for link-local address only)

Type: number

Range: 1-4096

Refernce Object: */axapi/v3/interface/trunk*

ve

Description VE interface (for link-local address only)

Type: number

Range: 2-4094

Refernce Object: */axapi/v3/network/vlan*

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'associated_vip_count': Number of vips associated to vrid; 'associated_vport_count': Number of vports associated to vrid; 'associated_natpool_count': Number of nat pools associated to vrid;

Type: string

Supported Values: all, associated_vip_count, associated_vport_count, associated_natpool_count

preempt-mode

Specification	
Type	*object*

disable

Description disable preemption

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description preemption threshold (preemption threshhold (0-255), default 0)

Type: number

Range: 0-255

Default: 0

follow

Specification	
Type	*object*

vrid-lead

Description Define a VRRP-A VRID leader

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	associated_natpool_count	8	Number of nat pools associated to vrid
	associated_vport_count	8	Number of vports associated to vrid
	associated_vip_count	8	Number of vips associated to vrid

operational data

	Counter	Size	Description
	init_status	string	init_status
	weight	number	weight
	peer-list		peer-list
	active_standby_local	string	active_standby_local
	vrid_lead	string	vrid_lead
	priority	number	priority
	state	enum	Output contains one of the following values: - Active, Standby
	became_active	string	became_active
	force_standby	string	force_standby
	unit	number	unit

2.117.20 vrrp-a vrid blade-parameters

blade parameters of VRRP-A vrid

blade-parameters Specification

Type	*Configuration Resource*
Element Name	blade-parameters
Element URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters
Element Attributes	blade-parameters_attributes
Schema	`blade-parameters schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters

blade-parameters attributes

```
POST /axapi/v3/vrrp-a/vrid/1/blade-parameters
Payload:
{
    "blade-parameters": {
        "priority": 1,
        "tracking-options": {
            "gateway": {
                "ipv4-gateway-list": [
                    {
                        "ip-address": "3.3.3.3",
                        "priority-cost": 1
```

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```
                    }
                ]
            },
            "interface": [
                {
                    "ethernet": 1,
                    "priority-cost": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters

blade-parameters attributes

```
GET /axapi/v3/vrrp-a/vrid/1/blade-parameters
Reponse:
{
    "blade-parameters": {
        "priority": 1,
        "uuid": "ee74f4a8-5c13-11d9-adc9-001fa00680a0",
        "tracking-options": {
            "interface": [
                {
                    "ethernet": 1,
                    "priority-cost": 1
                }
            ],
            "uuid": "f45e4d24-5c13-11d9-adc9-001fa00680a0",
            "gateway": {
                "ipv4-gateway-list": [
                    {
                        "ip-address": "3.3.3.3",
                        "priority-cost": 1,
                        "uuid": "f45e559e-5c13-11d9-adc9-001fa00680a0",
                        "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-
↪options/gateway/ipv4-gateway/3.3.3.3"
                    }
                ],
                "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/
↪gateway"
            },
            "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options"
        },
        "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters"
    }
}
```

Modify Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters

blade-parameters attributes

Replace Object

PUT

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters

blade-parameters attributes

```
PUT /axapi/v3/vrrp-a/vrid/1/blade-parameters
Payload:
{
    "blade-parameters": {
        "priority": 2,
        "tracking-options": {
            "gateway": {
                "ipv6-gateway-list": [
                    {
                        "ipv6-address": "2003::1",
                        "priority-cost": 1
                    }
                ]
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters

blade-parameters attributes

```
DELETE /axapi/v3/vrrp-a/vrid/1/blade-parameters
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

blade-parameters attributes

fail-over-policy-template

Description Apply a fail over policy template (VRRP-A fail over policy template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vrrp-a/fail-over-policy-template*

priority

Description VRRP-A priorty (Priority, default is 150)

Type: number

Range: 1-255

Default: 150

tracking-options

Description: tracking-options is a **JSON Block**. Please see below for *tracking-options*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-options

Specification	
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *tracking-options_bgp*

Type: Object

gateway

Description: gateway is a **JSON Block**. Please see below for *tracking-options_gateway*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway*

interface

Type: List

route

Description: route is a **JSON Block**. Please see below for *tracking-options_route*

Type: Object

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

tracking-options_vlan-cfg

Specification	
Type	*list*
Block object keys	

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

timeout

Description

Type: number

Range: 2-600

vlan

Description VLAN tracking (VLAN id)

Type: number

Range: 1-4094

tracking-options_route

Specification	
Type	*object*

ip-destination-cfg

Type: List

ipv6-destination-cfg

Type: List

tracking-options_route_ipv6-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gatewayv6

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv6-address

ipv6-destination

Description IPv6 Destination Prefix

Type: string

Format: ipv6-address-plen

priority-cost

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

tracking-options_route_ip-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gateway

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv4-address

ip-destination

Description Destination prefix

Type: string

Format: ipv4-address

mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask

priority-cost

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

tracking-options_bgp

Specification	
Type	*object*

bgp-ipv4-address-cfg

Type: List

bgp-ipv6-address-cfg

Type: List

tracking-options_bgp_bgp-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv4-address

Description bgp IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

tracking-options_bgp_bgp-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

tracking-options_interface

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

tracking-options_gateway

Specification	
Type	*object*

ipv4-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}*

ipv6-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}*

tracking-options_gateway_ipv4-gateway-list

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-options_gateway_ipv6-gateway-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-options_trunk-cfg

Specification	
Type	*list*
Block object keys	

per-port-pri

Description per port priority

Type: number

Range: 0-255

Default: 0

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

trunk

Description trunk tracking (Trunk Number)

Type: number

Range: 1-4096

2.117.21 vrrp-a vrid blade-parameters tracking-options

VRRP-A tracking

tracking-options Specification

Type	*Configuration Resource*
Element Name	tracking-options
Element URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options
Element Attributes	tracking-options_attributes
Schema	`tracking-options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options

tracking-options attributes

```
POST /axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options
Payload:
{
    "tracking-options": {
        "gateway": {
            "ipv4-gateway-list": [
                {
                    "ip-address": "3.3.3.3",
                    "priority-cost": 1
                }
            ]
        },
        "interface": [
            {
                "ethernet": 1,
                "priority-cost": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options

tracking-options attributes

```
GET /axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options
Reponse:
{
```

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```
    "tracking-options": {
        "interface": [
            {
                "ethernet": 1,
                "priority-cost": 1
            }
        ],
        "uuid": "08726066-5c14-11d9-adc9-001fa00680a0",
        "gateway": {
            "ipv4-gateway-list": [
                {
                    "ip-address": "3.3.3.3",
                    "priority-cost": 1,
                    "uuid": "08726c0a-5c14-11d9-adc9-001fa00680a0",
                    "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-
↪options/gateway/ipv4-gateway/3.3.3.3"
                }
            ],
            "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/
↪gateway"
        },
        "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options"
    }
}
```

Modify Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options

tracking-options attributes

Replace Object

PUT

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options

tracking-options attributes

```
PUT /axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options
Payload:
{
    "tracking-options": {
        "gateway": {
            "ipv6-gateway-list": [
                {
                    "ipv6-address": "2003::1",
                    "priority-cost": 1
                }
            ]
        },
        "interface": [
            {
                "ethernet": 2,
                "priority-cost": 2
            }
```

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```
            ]
        }
}
```

tracking-options attributes

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

gateway

Description: gateway is a **JSON Block**. Please see below for *gateway*

Type: Object

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway*

interface

Type: List

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

vlan-cfg

Specification	
Type	*list*
Block object keys	

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

timeout

Description

Type: number

Range: 2-600

vlan

Description VLAN tracking (VLAN id)

Type: number

Range: 1-4094

route

Specification	
Type	*object*

ip-destination-cfg

Type: List

ipv6-destination-cfg

Type: List

route_ipv6-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gatewayv6

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv6-address

ipv6-destination

Description IPv6 Destination Prefix

Type: string

Format: ipv6-address-plen

priority-cost

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

route_ip-destination-cfg

Specification	
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gateway

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv4-address

ip-destination

Description Destination prefix

Type: string

Format: ipv4-address

mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask

priority-cost

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

bgp

Specification	
Type	*object*

bgp-ipv4-address-cfg

Type: List

bgp-ipv6-address-cfg

Type: List

bgp_bgp-ipv4-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv4-address

Description bgp IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

bgp_bgp-ipv6-address-cfg

Specification	
Type	*list*
Block object keys	

bgp-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

interface

Specification	
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

gateway

Specification	
Type	*object*

ipv4-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}*

ipv6-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}*

gateway_ipv4-gateway-list

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gateway_ipv6-gateway-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-cfg

Specification	
Type	*list*
Block object keys	

per-port-pri

Description per port priority

Type: number

Range: 0-255

Default: 0

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

trunk

Description trunk tracking (Trunk Number)

Type: number

Range: 1-4096

2.117.22 vrrp-a vrid blade-parameters tracking-options gateway

VRRP-A tracking gateway

gateway Specification

Type	*Intermediate Resource*
Element Name	gateway
Element URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway
Element Attributes	gateway_attributes
Schema	`gateway schema`

Operations Allowed:

Get Object

GET

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway

gateway_attributes

```
GET /axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/gateway
Reponse:
{
    "gateway": {
        "ipv4-gateway-list": [
            {
                "ip-address": "3.3.3.3",
                "priority-cost": 1,
                "uuid": "44b25888-5c14-11d9-adc9-001fa00680a0",
                "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/
↪gateway/ipv4-gateway/3.3.3.3"
            }
        ],
        "a10-url": "/axapi/v3/vrrp-a/vrid/1/blade-parameters/tracking-options/gateway"
    }
}
```

gateway attributes

ipv4-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}*

ipv6-gateway-list

Type: List

Refernce Object: */axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}*

ipv4-gateway-list

Specification	
Type	*list*
Block object keys	

ip-address

Description IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-gateway-list

Specification	
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.23 vrrp-a vrid blade-parameters tracking-options gateway ipv4-gateway

IPv4 Gateway

ipv4-gateway Specification

Type	*Collection*
Object Key(s)	*ip-address*
Collection Name	*ipv4-gateway-list*
Collection URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway
Element Name	ipv4-gateway
Element URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}
Element Attributes	ipv4-gateway_attributes
Schema	`ipv4-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway

ipv4-gateway attributes

Create List

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway

ipv4-gateway attributes

Get Object

GET

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}

ipv4-gateway attributes

Get List

GET

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway

ipv4-gateway-list

Modify Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}

ipv4-gateway attributes

Replace Object

PUT

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}

ipv4-gateway attributes

Replace List

PUT

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway

ipv4-gateway-list

Delete Object

DELETE

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv4-gateway/{ip-address}

ipv4-gateway attributes

ipv4-gateway-list

ipv4-gateway-list is **JSON List** of *ipv4-gateway attributes*

```
ipv4-gateway-list : [
        { ipv4-gateway attributes },
        { ipv4-gateway attributes },
        ...
    ]
```

ipv4-gateway attributes

ip-address

Description IP Address

Type: string

Format: ipv4-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.24 vrrp-a vrid blade-parameters tracking-options gateway ipv6-gateway

IPv6 Gateway

ipv6-gateway Specification

Type	*Collection*
Object Key(s)	*ipv6-address*
Collection Name	*ipv6-gateway-list*
Collection URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway
Element Name	ipv6-gateway
Element URI	/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}
Element Attributes	ipv6-gateway_attributes
Schema	`ipv6-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway

ipv6-gateway attributes

Create List

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway

ipv6-gateway attributes

Get Object

GET

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}

ipv6-gateway attributes

Get List

GET

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway

ipv6-gateway-list

Modify Object

POST

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}

ipv6-gateway attributes

Replace Object

PUT

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}

ipv6-gateway attributes

Replace List

PUT

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway

ipv6-gateway-list

Delete Object

DELETE

/axapi/v3/vrrp-a/vrid/{vrid-val}/blade-parameters/tracking-options/gateway/ipv6-gateway/{ipv6-address}

ipv6-gateway attributes

ipv6-gateway-list

ipv6-gateway-list is **JSON List** of *ipv6-gateway attributes*

ipv6-gateway-list : [

{ *ipv6-gateway attributes* },

{ *ipv6-gateway attributes* },

...

]

ipv6-gateway attributes

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

priority-cost

Description The amount the priority will decrease

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.25 vrrp-a vrid-lead

Define a vrid-lead

vrid-lead Specification

Type	*Collection*
Object Key(s)	*vrid-lead-str*
Collection Name	*vrid-lead-list*
Collection URI	/axapi/v3/vrrp-a/vrid-lead
Element Name	vrid-lead
Element URI	/axapi/v3/vrrp-a/vrid-lead/{vrid-lead-str}
Element Attributes	vrid-lead_attributes
Schema	`vrid-lead schema`

Operations Allowed:

Create Object

POST

/axapi/v3/vrrp-a/vrid-lead

vrid-lead attributes

```
POST /axapi/v3/vrrp-a/vrid-lead/
Payload:
{
    "vrid-lead": {
        "vrid-lead-str": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/vrrp-a/vrid-lead

vrid-lead attributes

Get Object

GET

/axapi/v3/vrrp-a/vrid-lead/{vrid-lead-str}

vrid-lead attributes

```
GET /axapi/v3/vrrp-a/vrid-lead/a
Reponse:
{
    "vrid-lead": {
        "vrid-lead-str": "a",
```

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```
        "partition": {
            "partition": 0
        },
        "uuid": "70e5ab12-5c14-11d9-adc9-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/vrrp-a/vrid-lead/a"
    }
}
```

Get List

GET

/axapi/v3/vrrp-a/vrid-lead

vrid-lead-list

Modify Object

POST

/axapi/v3/vrrp-a/vrid-lead/{vrid-lead-str}

vrid-lead attributes

Replace Object

PUT

/axapi/v3/vrrp-a/vrid-lead/{vrid-lead-str}

vrid-lead attributes

```
PUT /axapi/v3/vrrp-a/vrid-lead/a
Payload:
{
    "vrid-lead": {
        "vrid-lead-str": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/vrrp-a/vrid-lead

vrid-lead-list

Delete Object

DELETE

/axapi/v3/vrrp-a/vrid-lead/{vrid-lead-str}

vrid-lead attributes

```
DELETE /axapi/v3/vrrp-a/vrid-lead/a
Reponse:
{
```

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```
    "response": {
        "status": "OK"
    }
}
```

vrid-lead-list

vrid-lead-list is **JSON List** of *vrid-lead attributes*

vrid-lead-list : [

{ *vrid-lead attributes* },

{ *vrid-lead attributes* },

...

]

vrid-lead attributes

partition

Description: partition is a **JSON Block**. Please see below for *partition*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid-lead-str

Description VRRP-A VRID leader name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default-vrid-lead

partition

Specification	
Type	*object*

name-cfg

Description: name-cfg is a **JSON Block**. Please see below for *partition_name-cfg*

Type: Object

partition

Description Partition name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-cfg

Description: shared-cfg is a **JSON Block**. Please see below for *partition_shared-cfg*

Type: Object

partition_shared-cfg

Specification	
Type	*object*

shared

Description Shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and name are mutually exclusive

vrid

Description VRRP-A id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid-value

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

partition_name-cfg

Specification	
Type	*object*

name

Description Partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: name and shared are mutually exclusive

Refernce Object: */axapi/v3/partition*

vrid

Description VRRP-A id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid-value

Description Specify ha VRRP-A vrid

Type: number

Range: 0-7

2.118 waf

Objects:

2.118.1 waf

WAF related commands

waf Specification

Type	*Intermediate Resource*
Element Name	waf
Element URI	/axapi/v3/waf
Element Attributes	waf_attributes
Schema	`waf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/waf

waf_attributes

waf attributes

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/waf/global*

policy

Description: policy is a **JSON Block**. Please see below for *policy*

Type: Object

Refernce Object: */axapi/v3/waf/policy*

rule-set-config-list

Type: List

Refernce Object: /axapi/v3/waf/rule-set-config/{name}

template-list

Type: List

Refernce Object: */axapi/v3/waf/template/{name}*

wsdl

Description: wsdl is a **JSON Block**. Please see below for *wsdl*

Type: Object

Refernce Object: */axapi/v3/waf/wsdl*

xml-schema

Description: xml-schema is a **JSON Block**. Please see below for *xml-schema*

Type: Object

Refernce Object: */axapi/v3/waf/xml-schema*

rule-set-config-list

Specification	
Type	*list*
Block object keys	

deploy-mode

Description 'active': Deploy WAF rule-set in active mode; 'monitor': Deploy WAF rule-set in monitor mode, only log and statistics.;

Type: string

Supported Values: active, monitor

max-process-time

Description Specify maximum request processing time (in ms) per phase (default: 80)

Type: number

Range: 40-1500

max-rules-per-phase

Description Specify maximum rules per phase (default: 10000)

Type: number

Range: 100-65535

name

Description WAF rule-set-config template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

process-timeout-action

Description 'drop': Drop the request; 'deny': Deny the request; 'allow': Allow the request;

Type: string

Supported Values: drop, deny, allow

request-body-access

Description 'on': WAF rule-set allow request body processing; 'off': WAF rule-set disable request body processing;

Type: string

Supported Values: on, off

request-body-default-action

Description Specify WAF rule-set default actions for request-body phase (default: log,deny) (Specify default actions (ex: log,deny))

Type: string

Format: string-rlx

Maximum Length: 256 characters

Maximum Length: 1 characters

request-body-limit

Description Specify maximum request body size in KB for buffering (default: 1024)

Type: number

Range: 1-1048576

request-body-limit-action

Description 'reject': Reject the request (default); 'process-partial': Process partial request body;

Type: string

Supported Values: reject, process-partial

request-header-default-action

Description Specify WAF rule-set default actions for request-header phase (default: log,deny) (Specify default actions (ex: log,deny))

Type: string

Format: string-rlx

Maximum Length: 256 characters

Maximum Length: 1 characters

response-body-access

Description 'on': WAF rule-set allow response body processing; 'off': WAF rule-set disable response body processing;

Type: string

Supported Values: on, off

response-body-default-action

Description Specify WAF rule-set default actions for response-body phase (default: log,pass) (Specify default actions (ex: log,deny))

Type: string

Format: string-rlx

Maximum Length: 256 characters

Maximum Length: 1 characters

response-body-limit

Description Specify maximum response body in KB size for buffering (default: 512)

Type: number

Range: 1-1048576

response-body-limit-action

Description 'reject': Reject the response; 'process-partial': Process partial response body (default);

Type: string

Supported Values: reject, process-partial

response-body-mime-type

Description Specify MIME types that WAF rule-set will process (default: text/plain text/html) (Specify MIME types (ex: text/plain text/html))

Type: string

Format: string-rlx

Maximum Length: 1024 characters

Maximum Length: 1 characters

response-header-default-action

Description Specify WAF rule-set default actions for response-header phase (default: log,pass) (Specify default actions (ex: log,deny))

Type: string

Format: string-rlx

Maximum Length: 256 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_req': Total Requests; 'req_allowed': Requests Allowed; 'req_denied': Requests Denied; 'bot_check_succ': Botnet Check Success; 'bot_check_fail': Botnet Check Failure; 'form_consistency_succ': Form Consistency Success; 'form_consistency_fail': Form Consistency Failure; 'form_csrf_tag_succ': Form CSRF tag Success; 'form_csrf_tag_fail': Form CSRF tag Failure; 'url_check_succ': URL Check Success; 'url_check_fail': URL Check Failure; 'url_check_learn': URL Check Learn; 'buf_ovf_url_len_fail': Buffer Overflow - URL Length Failure; 'buf_ovf_cookie_len_fail': Buffer Overflow - Cookie Length Failure; 'buf_ovf_hdrs_len_fail': Buffer Overflow - Headers length Failure; 'buf_ovf_post_size_fail': Buffer Overflow - Post size Failure; 'max_cookies_fail': Max Cookies Failure; 'max_hdrs_fail': Max Headers Failure; 'http_method_check_succ': Http Method Check Success; 'http_method_check_fail': Http Method Check Failure; 'http_check_succ': Http Check Success; 'http_check_fail': Http Check Failure; 'referer_check_succ': Referer Check Success; 'referer_check_fail': Referer Check Failure; 'referer_check_redirect': Referer Check Redirect; 'uri_wlist_succ': URI White List Success; 'uri_wlist_fail': URI White List Failure; 'uri_blist_succ': URI Black List Success; 'uri_blist_fail': URI Black List Failure; 'post_form_check_succ': Post Form Check Success; 'post_form_check_sanitize': Post Form Check Sanitized; 'post_form_check_reject': Post Form Check Rejected; 'ccn_mask_amex': Credit Card Number Mask Amex; 'ccn_mask_diners': Credit Card Number Mask Diners; 'ccn_mask_visa': Credit Card Number Mask Visa; 'ccn_mask_mastercard': Credit Card Number Mask Mastercard; 'ccn_mask_discover': Credit Card Number Mask Discover; 'ccn_mask_jcb': Credit Card Number Mask Jcb; 'ssn_mask': Social Security Number Mask; 'pcre_mask': PCRE Mask; 'cookie_encrypt_succ': Cookie Encrypt Success; 'cookie_encrypt_fail': Cookie Encrypt Failure; 'cookie_encrypt_limit_exceeded': Cookie Encrypt Limit Exceeded; 'cookie_encrypt_skip_rcache': Cookie Encrypt Skip RCache; 'cookie_decrypt_succ': Cookie Decrypt Success; 'cookie_decrypt_fail': Cookie Decrypt Failure; 'sqlia_chk_url_succ': SQLIA Check URL Success; 'sqlia_chk_url_sanitize': SQLIA Check URL Sanitized; 'sqlia_chk_url_reject': SQLIA Check URL Rejected; 'sqlia_chk_post_succ': SQLIA Check Post Success; 'sqlia_chk_post_sanitize': SQLIA Check Post Sanitized; 'sqlia_chk_post_reject': SQLIA Check Post Rejected; 'xss_chk_cookie_succ': XSS Check Cookie Success; 'xss_chk_cookie_sanitize': XSS Check Cookie Sanitized; 'xss_chk_cookie_reject': XSS Check Cookie Rejected; 'xss_chk_url_succ': XSS Check URL Success; 'xss_chk_url_sanitize': XSS Check URL Sanitized; 'xss_chk_url_reject': XSS Check URL Rejected; 'xss_chk_post_succ': XSS Check Post Success; 'xss_chk_post_sanitize': XSS Check Post Sanitized; 'xss_chk_post_reject': XSS Check Post Rejected; 'resp_code_hidden': Response Code Hidden; 'resp_hdrs_filtered': Response Headers Filtered; 'learn_updates': Learning Updates; 'num_drops': Number Drops; 'num_resets': Number Resets; 'form_non_ssl_reject': Form Non SSL Rejected; 'form_non_post_reject': Form Non Post Rejected; 'sess_check_none': Session Check None; 'sess_check_succ': Session Check Success; 'sess_check_fail': Session Check Failure; 'soap_check_succ': Soap Check Success; 'soap_check_failure': Soap Check Failure; 'wsdl_fail': WSDL Failure; 'wsdl_succ': WSDL Success; 'xml_schema_fail': XML Schema Failure; 'xml_schema_succ': XML Schema Success; 'xml_sqlia_chk_fail': XML Sqlia Check Failure; 'xml_sqlia_chk_succ': XML Sqlia Check Success; 'xml_xss_chk_fail': XML XSS Check Failure; 'xml_xss_chk_succ': XML XSS Check Success; 'json_check_failure':

JSON Check Failure; 'json_check_succ': JSON Check Success; 'xml_check_failure': XML Check Failure; 'xml_check_succ': XML Check Success; 'buf_ovf_cookie_value_len_fail': Buffer Overflow - Cookie Value Length Failure; 'buf_ovf_cookies_len_fail': Buffer Overflow - Cookies Length Failure; 'buf_ovf_hdr_name_len_fail': Buffer Overflow - Header Name Length Failure; 'buf_ovf_hdr_value_len_fail': Buffer Overflow - Header Value Length Failure; 'buf_ovf_max_data_parse_fail': Buffer Overflow - Max Data Parse Failure; 'buf_ovf_line_len_fail': Buffer Overflow - Line Length Failure; 'buf_ovf_parameter_name_len_fail': Buffer Overflow - HTML Parameter Name Length Failure; 'buf_ovf_parameter_value_len_fail': Buffer Overflow - HTML Parameter Value Length Failure; 'buf_ovf_parameter_total_len_fail': Buffer Overflow - HTML Parameter Total Length Failure; 'buf_ovf_query_len_fail': Buffer Overflow - Query Length Failure; 'max_entities_fail': Max Entities Failure; 'max_parameters_fail': Max Parameters Failure; 'buf_ovf_cookie_name_len_fail': Buffer Overflow - Cookie Name Length Failure; 'xml_limit_attr': XML Limit Attribue; 'xml_limit_attr_name_len': XML Limit Name Length; 'xml_limit_attr_value_len': XML Limit Value Length; 'xml_limit_cdata_len': XML Limit CData Length; 'xml_limit_elem': XML Limit Element; 'xml_limit_elem_child': XML Limit Element Child; 'xml_limit_elem_depth': XML Limit Element Depth; 'xml_limit_elem_name_len': XML Limit Element Name Length; 'xml_limit_entity_exp': XML Limit Entity Exp; 'xml_limit_entity_exp_depth': XML Limit Entity Exp Depth; 'xml_limit_namespace': XML Limit Namespace; 'xml_limit_namespace_uri_len': XML Limit Namespace URI Length; 'json_limit_array_value_count': JSON Limit Array Value Count; 'json_limit_depth': JSON Limit Depth; 'json_limit_object_member_count': JSON Limit Object Number Count; 'json_limit_string': JSON Limit String; 'form_non_masked_password': Form Non Masked Password; 'form_non_ssl_password': Form Non SSL Password; 'form_password_autocomplete': Form Password Autocomplete; 'redirect_wlist_succ': Redirect Whitelist Success; 'redirect_wlist_fail': Redirect Whitelist Failure; 'redirect_wlist_learn': Redirect Whitelist Learn; 'form_set_no_cache': Form Set No Cache; 'resp_denied': Responses Denied;

Type: string

Supported Values: all, total_req, req_allowed, req_denied, resp_denied, brute_force_success, brute_force_violation, brute_force_challenge_cookie_sent, brute_force_challenge_cookie_success, brute_force_challenge_cookie_violation, brute_force_challenge_javascript_sent, brute_force_challenge_javascript_success, brute_force_challenge_javascript_violation, brute_force_challenge_captcha_sent, brute_force_challenge_captcha_success, brute_force_challenge_captcha_violation, brute_force_lockout_limit_success, brute_force_lockout_limit_violation, brute_force_challenge_limit_success, brute_force_challenge_limit_violation, brute_force_response_codes_triggered, brute_force_response_headers_triggered, brute_force_response_string_triggered, cookie_security_encrypt_success, cookie_security_encrypt_violation, cookie_security_encrypt_limit_exceeded, cookie_security_encrypt_skip_rcache, cookie_security_decrypt_success, cookie_security_decrypt_violation, cookie_security_sign_success, cookie_security_sign_violation, cookie_security_sign_limit_exceeded, cookie_security_sign_skip_rcache, cookie_security_signature_check_success, cookie_security_signature_check_violation, cookie_security_add_http_only_success, cookie_security_add_http_only_violation, cookie_security_add_secure_success, cookie_security_add_secure_violation, cookie_security_missing_cookie_success, cookie_security_missing_cookie_violation, cookie_security_unrecognized_cookie_success, cookie_security_unrecognized_cookie_violation, cookie_security_cookie_policy_success, cookie_security_cookie_policy_violation, cookie_security_persistent_cookies, cookie_security_persistent_cookies_encrypted, cookie_security_persistent_cookies_signed, cookie_security_session_cookies, cookie_security_session_cookies_encrypted, cookie_security_session_cookies_signed, cookie_security_allowed_session_cookies,

cookie_security_allowed_persistent_cookies, cookie_security_disallowed_session_cookies, cookie_security_disallowed_persistent_cookies, cookie_security_allowed_session_set_cookies, cookie_security_allowed_persistent_set_cookies, cookie_security_disallowed_session_set_cookies, cookie_security_disallowed_persistent_set_cookies, csp_header_violation, csp_header_success, csp_header_inserted, form_csrf_tag_success, form_csrf_tag_violation, form_consistency_success, form_consistency_violation, form_tag_inserted, form_non_ssl_success, form_non_ssl_violation, form_request_non_post_success, form_request_non_post_violation, form_check_success, form_check_violation, form_check_sanitize, form_non_masked_password_success, form_non_masked_password_violation, form_non_ssl_password_success, form_non_ssl_password_violation, form_password_autocomplete_success, form_password_autocomplete_violation, form_set_no_cache_success, form_set_no_cache, dlp_ccn_success, dlp_ccn_amex_violation, dlp_ccn_amex_masked, dlp_ccn_diners_violation, dlp_ccn_diners_masked, dlp_ccn_visa_violation, dlp_ccn_visa_masked, dlp_ccn_mastercard_violation, dlp_ccn_mastercard_masked, dlp_ccn_discover_violation, dlp_ccn_discover_masked, dlp_ccn_jcb_violation, dlp_ccn_jcb_masked, dlp_ssn_success, dlp_ssn_violation, dlp_pcre_success, dlp_pcre_violation, dlp_pcre_masked, evasion_check_apache_whitespace_success, evasion_check_apache_whitespace_violation, evasion_check_decode_entities_success, evasion_check_decode_entities_violation, evasion_check_decode_escaped_chars_success, evasion_check_decode_escaped_chars_violation, evasion_check_decode_unicode_chars_success, evasion_check_decode_unicode_chars_violation, evasion_check_dir_traversal_success, evasion_check_dir_traversal_violation

counters2

Description 'evasion_check_high_ascii_bytes_violation': High Ascii Bytes check violation; 'evasion_check_invalid_hex_encoding_success': Invalid Hex Encoding check passed; 'evasion_check_invalid_hex_encoding_violation': Invalid Hex Encoding check violation; 'evasion_check_multiple_encoding_levels_success': Multiple Encoding Levels check passed; 'evasion_check_multiple_encoding_levels_violation': Multiple Encoding Levels check violation; 'evasion_check_multiple_slashes_success': Multiple Slashes check passed; 'evasion_check_multiple_slashes_violation': Multiple Slashes check violation; 'evasion_check_max_levels_success': Max Levels check passed; 'evasion_check_max_levels_violation': Max Levels check violation; 'evasion_check_remove_comments_success': Remove Comments check passed; 'evasion_check_remove_comments_violation': Remove Comments check violation; 'evasion_check_remove_spaces_success': Remove Spaces check passed; 'evasion_check_remove_spaces_violation': Remove Spaces check violation; 'http_limit_max_content_length_success': MAX content-length check passed; 'http_limit_max_content_length_violation': MAX content-length check violation; 'http_limit_max_cookie_header_length_success': MAX cookie header length check passed; 'http_limit_max_cookie_header_length_violation': MAX cookie header length violation; 'http_limit_max_cookie_name_length_success': MAX cookie name length check passed; 'http_limit_max_cookie_name_length_violation': MAX cookie name length violation; 'http_limit_max_cookie_value_length_success': MAX cookie value length check passed; 'http_limit_max_cookie_value_length_violation': MAX cookie value length violation; 'http_limit_max_cookies_success': Max Cookies check passed; 'http_limit_max_cookies_violation': Max Cookies violation; 'http_limit_max_cookies_length_success': MAX cookies length check passed; 'http_limit_max_cookies_length_violation': MAX cookies length violation; 'http_limit_max_data_parse_success': Buffer Overflow - Max Data Parse check passed; 'http_limit_max_data_parse_violation': Buffer Overflow - Max Data Parse violation; 'http_limit_max_entities_success': Max Entities check passed; 'http_limit_max_entities_violation': Max Entities violation;

'http_limit_max_header_length_success': MAX header length check passed; 'http_limit_max_header_length_violation': MAX header length check violation; 'http_limit_max_header_name_length_success': MAX header name length check passed; 'http_limit_max_header_name_length_violation': MAX header name length check violation; 'http_limit_max_header_value_length_success': MAX header value length check passed; 'http_limit_max_header_value_length_violation': MAX header value length check violation; 'http_limit_max_headers_success': MAX headers count check passed; 'http_limit_max_headers_violation': Max Headers violation; 'http_limit_max_headers_length_success': MAX headers length check passed; 'http_limit_max_headers_length_violation': MAX headers length check violation; 'http_limit_max_param_name_length_success': Limit check - MAX parameter name length check passed; 'http_limit_max_param_name_length_violation': Limit check - MAX parameter name length violation; 'http_limit_max_param_value_length_success': Limit check - MAX parameter value length check passed; 'http_limit_max_param_value_length_violation': Limit check - MAX parameter value length violation; 'http_limit_max_params_success': Limit check - MAX parameters check passed; 'http_limit_max_params_violation': Limit check - MAX parameters violation; 'http_limit_max_params_length_success': Limit check - MAX parameters total length check passed; 'http_limit_max_params_length_violation': Limit check - MAX parameters total length violation; 'http_limit_max_post_length_success': MAX POST length check passed; 'http_limit_max_post_length_violation': MAX POST length violation; 'http_limit_max_query_length_success': Limit check - MAX query length check passed; 'http_limit_max_query_length_violation': Limit check - MAX query length violation; 'http_limit_max_request_length_success': Limit check - MAX request length check passed; 'http_limit_max_request_length_violation': Limit check - MAX request length violation; 'http_limit_max_request_line_length_success': Limit check - MAX request line length check passed; 'http_limit_max_request_line_length_violation': Limit check - MAX request line length violation; 'max_url_length_success': Limit check - MAX URL length check passed; 'max_url_length_violation': Limit check - MAX URL length violation; 'http_protocol_allowed_headers_success': HTTP headers check passed; 'http_protocol_allowed_headers_violation': HTTP headers check violation; 'http_protocol_allowed_versions_success': HTTP versions check passed; 'http_protocol_allowed_versions_violation': HTTP versions check violation; 'http_protocol_allowed_method_check_success': HTTP Method Check passed; 'http_protocol_allowed_method_check_violation': HTTP Method Check violation; 'http_protocol_bad_multipart_request_success': Bad multi-part request check passed; 'http_protocol_bad_multipart_request_violation': Bad multi-part request check violation; 'http_protocol_get_with_content_success': GET with content check passed; 'http_protocol_get_with_content_violation': GET with content check violation; 'http_protocol_head_with_content_success': HEAD with content check passed; 'http_protocol_head_with_content_violation': HEAD with content check violation; 'http_protocol_host_header_with_ip_success': Host header with IP check passed; 'http_protocol_host_header_with_ip_violation': Host header with IP check violation; 'http_protocol_invalid_url_encoding_success': Invalid url encoding check passed; 'http_protocol_invalid_url_encoding_violation': Invalid url encoding check violation; 'http_protocol_malformed_content_length_success': Malformed content-length check passed; 'http_protocol_malformed_content_length_violation': Malformed content-length check violation; 'http_protocol_malformed_header_success': Malformed header check passed; 'http_protocol_malformed_header_violation': Malformed header check passed; 'http_protocol_malformed_parameter_success': Malformed parameter check passed; 'http_protocol_malformed_parameter_violation': Malformed parameter check violation; 'http_protocol_malformed_request_success': Malformed request check passed; 'http_protocol_malformed_request_violation': Malformed request check violation; 'http_protocol_malformed_request_line_success': Malformed request line check passed; 'http_protocol_malformed_request_line_violation': Malformed request line check vi-

olation; 'http_protocol_missing_header_value_success': Missing header value check violation; 'http_protocol_missing_header_value_violation': Missing header value check violation; 'http_protocol_missing_host_header_success': Missing host header check passed; 'http_protocol_missing_host_header_violation': Missing host header check violation; 'http_protocol_multiple_content_length_success': Multiple content-length headers check passed; 'http_protocol_multiple_content_length_violation': Multiple content-length headers check violation; 'http_protocol_post_with_0_content_success': POST with 0 content check passed; 'http_protocol_post_with_0_content_violation': POST with 0 content check violation; 'http_protocol_post_without_content_success': POST without content check passed; 'http_protocol_post_without_content_violation': POST without content check violation; 'http_protocol_success': HTTP Check passed; 'http_protocol_violation': HTTP Check violation; 'json_check_format_success': JSON Check passed; 'json_check_format_violation': JSON Check violation; 'json_check_max_array_value_count_success': JSON Limit Array Value Count check passed;

Type: string

Supported Values: evasion_check_high_ascii_bytes_success, evasion_check_high_ascii_bytes_violation, evasion_check_invalid_hex_encoding_success, evasion_check_invalid_hex_encoding_violation, evasion_check_multiple_encoding_levels_success, evasion_check_multiple_encoding_levels_violation, evasion_check_multiple_slashes_success, evasion_check_multiple_slashes_violation, evasion_check_max_levels_success, evasion_check_max_levels_violation, evasion_check_remove_comments_success, evasion_check_remove_comments_violation, evasion_check_remove_spaces_success, evasion_check_remove_spaces_violation, http_limit_max_content_length_success, http_limit_max_content_length_violation, http_limit_max_cookie_header_length_success, http_limit_max_cookie_header_length_violation, http_limit_max_cookie_name_length_success, http_limit_max_cookie_name_length_violation, http_limit_max_cookie_value_length_success, http_limit_max_cookie_value_length_violation, http_limit_max_cookies_success, http_limit_max_cookies_violation, http_limit_max_cookies_length_success, http_limit_max_cookies_length_violation, http_limit_max_data_parse_success, http_limit_max_data_parse_violation, http_limit_max_entities_success, http_limit_max_entities_violation, http_limit_max_header_length_success, http_limit_max_header_length_violation, http_limit_max_header_name_length_success, http_limit_max_header_name_length_violation, http_limit_max_header_value_length_success, http_limit_max_header_value_length_violation, http_limit_max_headers_success, http_limit_max_headers_violation, http_limit_max_headers_length_success, http_limit_max_headers_length_violation, http_limit_max_param_name_length_success, http_limit_max_param_name_length_violation, http_limit_max_param_value_length_success, http_limit_max_param_value_length_violation, http_limit_max_params_success, http_limit_max_params_violation, http_limit_max_params_length_success, http_limit_max_params_length_violation, http_limit_max_post_length_success, http_limit_max_post_length_violation, http_limit_max_query_length_success, http_limit_max_query_length_violation, http_limit_max_request_length_success, http_limit_max_request_length_violation, http_limit_max_request_line_length_success, http_limit_max_request_line_length_violation, max_url_length_success, max_url_length_violation, http_protocol_allowed_headers_success, http_protocol_allowed_headers_violation, http_protocol_allowed_versions_success, http_protocol_allowed_versions_violation, http_protocol_allowed_method_check_success, http_protocol_allowed_method_check_violation, http_protocol_bad_multipart_request_success, http_protocol_bad_multipart_request_violation, http_protocol_get_with_content_success, http_protocol_get_with_content_violation, http_protocol_head_with_content_success, http_protocol_head_with_content_violation, http_protocol_host_header_with_ip_success, http_protocol_host_header_with_ip_violation, http_protocol_invalid_url_encoding_success, http_protocol_invalid_url_encoding_violation, http_protocol_malformed_content_length_success,

http_protocol_malformed_content_length_violation, http_protocol_malformed_header_success, http_protocol_malformed_header_violation, http_protocol_malformed_parameter_success, http_protocol_malformed_parameter_violation, http_protocol_malformed_request_success, http_protocol_malformed_request_violation, http_protocol_malformed_request_line_success, http_protocol_malformed_request_line_violation, http_protocol_missing_header_value_success, http_protocol_missing_header_value_violation, http_protocol_missing_host_header_success, http_protocol_missing_host_header_violation, http_protocol_multiple_content_length_success, http_protocol_multiple_content_length_violation, http_protocol_post_with_0_content_success, http_protocol_post_with_0_content_violation, http_protocol_post_without_content_success, http_protocol_post_without_content_violation, http_protocol_success, http_protocol_violation, json_check_format_success

counters3

Description 'json_check_max_array_value_count_violation': JSON Limit Array Value Count violation; 'json_check_max_depth_success': JSON Limit Depth check passed; 'json_check_max_depth_violation': JSON Limit Depth violation; 'json_check_max_object_member_count_success': JSON Limit Object Number Count check passed; 'json_check_max_object_member_count_violation': JSON Limit Object Number Count violation; 'json_check_max_string_success': JSON Limit String check passed; 'json_check_max_string_violation': JSON Limit String violation; 'request_check_bot_success': Botnet check passed; 'request_check_bot_violation': Botnet check violation; 'request_check_redirect_wlist_success': Redirect Whitelist passed; 'request_check_redirect_wlist_violation': Redirect Whitelist violation; 'request_check_redirect_wlist_learn': Redirect Whitelist Learn; 'request_check_referer_success': Referer Check passed; 'request_check_referer_violation': Referer Check violation; 'request_check_referer_redirect': Referer Check Redirect; 'request_check_session_check_none': Session Created; 'request_check_session_check_success': Session Check passed; 'request_check_session_check_violation': Session Check violation; 'request_check_sqlia_url_success': SQLIA Check URL passed; 'request_check_sqlia_url_violation': SQLIA Check URL violation; 'request_check_sqlia_url_sanitize': SQLIA Check URL Sanitized; 'request_check_sqlia_post_body_success': SQLIA Check Post passed; 'request_check_sqlia_post_body_violation': SQLIA Check Post violation; 'request_check_sqlia_post_body_sanitize': SQLIA Check Post Sanitized; 'request_check_url_list_success': URL Check passed; 'request_check_url_list_violation': URL Check violation; 'request_check_url_list_learn': URL Check Learn; 'request_check_url_whitelist_success': URI White List passed; 'request_check_url_whitelist_violation': URI White List violation; 'request_check_url_blacklist_success': URI Black List passed; 'request_check_url_blacklist_violation': URI Black List violation; 'request_check_xss_cookie_success': XSS Check Cookie passed; 'request_check_xss_cookie_violation': XSS Check Cookie violation; 'request_check_xss_cookie_sanitize': XSS Check Cookie Sanitized; 'request_check_xss_url_success': XSS Check URL passed; 'request_check_xss_url_violation': XSS Check URL violation; 'request_check_xss_url_sanitize': XSS Check URL Sanitized; 'request_check_xss_post_body_success': XSS Check Post passed; 'request_check_xss_post_body_violation': XSS Check Post violation; 'request_check_xss_post_body_sanitize': XSS Check Post Sanitized; 'response_cloaking_hide_status_code_success': Response Hide Code check passed; 'response_cloaking_hide_status_code_violation': Response Hide Code violation; 'response_cloaking_filter_headers_success': Response Headers Filter check passed; 'response_cloaking_filter_headers_violation': Response Headers Filter violation; 'soap_check_success': Soap Check passed; 'soap_check_violation':

Soap Check violation; 'xml_check_format_success': XML Check passed; 'xml_check_format_violation': XML Check violation; 'xml_check_max_attr_success': XML Limit Attribute check passed; 'xml_check_max_attr_violation': XML Limit Attribute violation; 'xml_check_max_attr_name_len_success': XML Limit Name Length check passed; 'xml_check_max_attr_name_len_violation': XML Limit Name Length violation; 'xml_check_max_attr_value_len_success': XML Limit Value Length check passed; 'xml_check_max_attr_value_len_violation': XML Limit Value Length violation; 'xml_check_max_cdata_len_success': XML Limit CData Length check passed; 'xml_check_max_cdata_len_violation': XML Limit CData Length violation; 'xml_check_max_elem_success': XML Limit Element check passed; 'xml_check_max_elem_violation': XML Limit Element violation; 'xml_check_max_elem_child_success': XML Limit Element Child check passed; 'xml_check_max_elem_child_violation': XML Limit Element Child violation; 'xml_check_max_elem_depth_success': XML Limit Element Depth check passed; 'xml_check_max_elem_depth_violation': XML Limit Element Depth violation; 'xml_check_max_elem_name_len_success': XML Limit Element Name Length check passed; 'xml_check_max_elem_name_len_violation': XML Limit Element Name Length violation; 'xml_check_max_entity_exp_success': XML Limit Entity Exp check passed; 'xml_check_max_entity_exp_violation': XML Limit Entity Exp violation; 'xml_check_max_entity_exp_depth_success': XML Limit Entity Exp Depth check passed; 'xml_check_max_entity_exp_depth_violation': XML Limit Entity Exp Depth violation; 'xml_check_max_namespace_success': XML Limit Namespace check passed; 'xml_check_max_namespace_violation': XML Limit Namespace violation; 'xml_check_namespace_uri_len_success': XML Limit Namespace URI Length check passed; 'xml_check_namespace_uri_len_violation': XML Limit Namespace URI Length violation; 'xml_check_sqlia_success': XML Sqlia Check passed; 'xml_check_sqlia_violation': XML Sqlia Check violation; 'xml_check_xss_success': XML XSS Check passed; 'xml_check_xss_violation': XML XSS Check violation; 'xml_content_check_schema_success': XML Schema passed; 'xml_content_check_schema_violation': XML Schema violation; 'xml_content_check_wsdl_success': WSDL passed; 'xml_content_check_wsdl_violation': WSDL violation; 'learning_list_full': Learning list is full; 'action_allow': Action allowed; 'action_deny_200': Deny with 200; 'action_deny_403': Deny with 403; 'action_deny_redirect': Deny with Redirect; 'action_deny_reset': Deny with Resets; 'action_drop': Number of Drops; 'action_deny_custom_response': Deny with custom response; 'action_learn': Learning Updates; 'action_log': Log request violation; 'policy_limit_exceeded': Policy limit exceeded; 'sessions_alloc': Sessions allocated; 'sessions_freed': Sessions freed; 'out_of_sessions': Out of sessions; 'too_many_sessions': Too many sessions consumed; 'regex_violation': Regular expression failure; 'request_check_command_injection_cookies_success': Command Injection Check cookies passed; 'request_check_command_injection_cookies_violation': Command Injection Check cookies violation; 'request_check_command_injection_headers_success': Command Injection Check headers passed; 'request_check_command_injection_headers_violation': Command Injection Check headers violation; 'request_check_command_injection_uri_query_success': Command Injection Check url query arguments passed; 'request_check_command_injection_uri_query_violation': Command Injection Check url query arguments violation; 'request_check_command_injection_form_body_success': Command Injection Check form body arguments passed; 'request_check_command_injection_form_body_violation': Command Injection Check form body arguments violation; 'cookie_security_decrypt_in_grace_period_violation': Cookie Decrypt violation but in grace period;

Type: string

Supported Values: json_check_format_violation, json_check_max_array_value_count_success,

json_check_max_array_value_count_violation, json_check_max_depth_success, json_check_max_depth_violation, json_check_max_object_member_count_success, json_check_max_object_member_count_violation, json_check_max_string_success, json_check_max_string_violation, request_check_bot_success, request_check_bot_violation, request_check_redirect_wlist_success, request_check_redirect_wlist_violation, request_check_redirect_wlist_learn, request_check_referer_success, request_check_referer_violation, request_check_referer_redirect, request_check_session_check_none, request_check_session_check_success, request_check_session_check_violation, request_check_sqlia_url_success, request_check_sqlia_url_violation, request_check_sqlia_url_sanitize, request_check_sqlia_post_body_success, request_check_sqlia_post_body_violation, request_check_sqlia_post_body_sanitize, request_check_url_list_success, request_check_url_list_violation, request_check_url_list_learn, request_check_url_whitelist_success, request_check_url_whitelist_violation, request_check_url_blacklist_success, request_check_url_blacklist_violation, request_check_xss_cookie_success, request_check_xss_cookie_violation, request_check_xss_cookie_sanitize, request_check_xss_url_success, request_check_xss_url_violation, request_check_xss_url_sanitize, request_check_xss_post_body_success, request_check_xss_post_body_violation, request_check_xss_post_body_sanitize, response_cloaking_hide_status_code_success, response_cloaking_hide_status_code_violation, response_cloaking_filter_headers_success, response_cloaking_filter_headers_violation, soap_check_success, soap_check_violation, xml_check_format_success, xml_check_format_violation, xml_check_max_attr_success, xml_check_max_attr_violation, xml_check_max_attr_name_len_success, xml_check_max_attr_name_len_violation, xml_check_max_attr_value_len_success, xml_check_max_attr_value_len_violation, xml_check_max_cdata_len_success, xml_check_max_cdata_len_violation, xml_check_max_elem_success, xml_check_max_elem_violation, xml_check_max_elem_child_success, xml_check_max_elem_child_violation, xml_check_max_elem_depth_success, xml_check_max_elem_depth_violation, xml_check_max_elem_name_len_success, xml_check_max_elem_name_len_violation, xml_check_max_entity_exp_success, xml_check_max_entity_exp_violation, xml_check_max_entity_exp_depth_success, xml_check_max_entity_exp_depth_violation, xml_check_max_namespace_success, xml_check_max_namespace_violation, xml_check_namespace_uri_len_success, xml_check_namespace_uri_len_violation, xml_check_sqlia_success, xml_check_sqlia_violation, xml_check_xss_success, xml_check_xss_violation, xml_content_check_schema_success, xml_content_check_schema_violation, xml_content_check_wsdl_success, xml_content_check_wsdl_violation, learning_list_full, action_allow, action_deny_200, action_deny_403, action_deny_redirect, action_deny_reset, action_drop, action_deny_custom_response, action_learn, action_log, policy_limit_exceeded, sessions_alloc, sessions_freed, out_of_sessions, too_many_sessions, regex_violation, request_check_command_injection_cookies_success, request_check_command_injection_cookies_violation, request_check_command_injection_headers_success, request_check_command_injection_headers_violation, request_check_command_injection_uri_query_success, request_check_command_injection_uri_query_violation, request_check_command_injection_form_body_success, request_check_command_injection_form_body_violation, cookie_security_decrypt_in_grace_period_violation, form_response_non_post_success, form_response_non_post_violation, form_response_non_post_sanitize, xml_check_max_entity_decl_success, xml_check_max_entity_decl_violation, xml_check_max_entity_depth_success, xml_check_max_entity_depth_violation, action_response_allow, action_response_deny_200

counters4

Description 'action_response_deny_403': Response Deny with 403; 'ac-

tion_response_deny_redirect': Response Deny with Redirect; 'action_response_deny_reset': Deny with Resets; 'action_response_drop': Number of Dropped Responses; 'action_response_deny_custom_response': Response Deny with custom response; 'action_response_learn': Response Learning Updates; 'action_response_log': Log response violation; 'http_protocol_post_without_content_type_success': POST without content type check passed; 'http_protocol_post_without_content_type_violation': POST without content type check violation; 'http_protocol_body_without_content_type_success': Body without content type check passed; 'http_protocol_body_without_content_type_violation': Body without content type check violation; 'http_protocol_non_ssl_cookie_prefix_success': Cookie Name Prefix check passed; 'http_protocol_non_ssl_cookie_prefix_violation': Cookie Name Prefix check violation; 'cookie_security_add_samesite_success': Cookie Security - samesite attribute added successfully; 'cookie_security_add_samesite_violation': Cookie Security - samesite attribute violation; 'rule_set_request': Requests hanlded by WAF rule set; 'rule_set_response': Responses hanlded by WAF rule set; 'phase1_pass': WAF rule set pass hits in phase 1; 'phase1_allow': WAF rule set allow hits in phase 1; 'phase1_deny': WAF rule set deny hits in phase 1; 'phase1_drop': WAF rule set drop hits in phase 1; 'phase1_redirect': WAF rule set redirect hits in phase 1; 'phase1_other': WAF rule set other hits in phase 1; 'phase2_pass': WAF rule set pass hits in phase 2; 'phase2_allow': WAF rule set allow hits in phase 2; 'phase2_deny': WAF rule set deny hits in phase 2; 'phase2_drop': WAF rule set drop hits in phase 2; 'phase2_redirect': WAF rule set redirect hits in phase 2; 'phase2_other': WAF rule set other hits in phase 2; 'phase3_pass': WAF rule set pass hits in phase 3; 'phase3_allow': WAF rule set allow hits in phase 3; 'phase3_deny': WAF rule set deny hits in phase 3; 'phase3_drop': WAF rule set drop hits in phase 3; 'phase3_redirect': WAF rule set redirect hits in phase 3; 'phase3_other': WAF rule set other hits in phase 3; 'phase4_pass': WAF rule set pass hits in phase 4; 'phase4_allow': WAF rule set allow hits in phase 4; 'phase4_deny': WAF rule set deny hits in phase 4; 'phase4_drop': WAF rule set drop hits in phase 4; 'phase4_redirect': WAF rule set redirect hits in phase 4; 'phase4_other': WAF rule set other hits in phase 4;

Type: string

Supported Values: action_response_deny_403, action_response_deny_redirect, action_response_deny_reset, action_response_drop, action_response_deny_custom_response, action_response_learn, action_response_log, http_protocol_post_without_content_type_success, http_protocol_post_without_content_type_violation, http_protocol_body_without_content_type_success, http_protocol_body_without_content_type_violation, http_protocol_non_ssl_cookie_prefix_success, http_protocol_non_ssl_cookie_prefix_violation, cookie_security_add_samesite_success, cookie_security_add_samesite_violation, rule_set_request, rule_set_response, phase1_pass, phase1_allow, phase1_deny, phase1_drop, phase1_redirect, phase1_other, phase2_pass, phase2_allow, phase2_deny, phase2_drop, phase2_redirect, phase2_other, phase3_pass, phase3_allow, phase3_deny, phase3_drop, phase3_redirect, phase3_other, phase4_pass, phase4_allow, phase4_deny, phase4_drop, phase4_redirect, phase4_other

template-list

Specification	
Type	*list*
Block object keys	

brute-force-protection

Description: brute-force-protection is a **JSON Block**. Please see below for *template-list_brute-force-protection*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/brute-force-protection*

cookie-security

Description: cookie-security is a **JSON Block**. Please see below for *template-list_cookie-security*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/cookie-security*

csp

Description Insert HTTP header Content-Security-Policy if necessary

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csp-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

csp-value

Description CSP header value, e.g., "script-src 'none'"

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

data-leak-prevention

Description: data-leak-prevention is a **JSON Block**. Please see below for *template-list_data-leak-prevention*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/data-leak-prevention*

deploy-mode

Description 'active': Deploy WAF in active (blocking) mode; 'passive': Deploy WAF in passive (log-only) mode; 'learning': Deploy WAF in learning mode;

Type: string

Supported Values: active, passive, learning

Default: active

evasion-check

Description: evasion-check is a **JSON Block**. Please see below for *template-list_evasion-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/evasion-check*

form-protection

Description: form-protection is a **JSON Block**. Please see below for *template-list_form-protection*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/form-protection*

http-limit-check

Description: http-limit-check is a **JSON Block**. Please see below for *template-list_http-limit-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/http-limit-check*

http-protocol-check

Description: http-protocol-check is a **JSON Block**. Please see below for *template-list_http-protocol-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/http-protocol-check*

http-redirect

Description Send HTTP redirect response (302 Found) to specifed URL (URL to redirect to when denying request)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: http-redirecthttp-resp-200, reset-conn and http-resp-403 are mutually exclusive

http-resp-200

Description Send HTTP response with status code 200 OK

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: http-resp-200http-redirect, reset-conn and http-resp-403 are mutually exclusive

http-resp-403

Description Send HTTP response with status code 403 Forbidden (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: http-resp-403http-redirect, http-resp-200 and reset-conn are mutually exclusive

json-check

Description: json-check is a **JSON Block**. Please see below for *template-list_json-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/json-check*

log-succ-reqs

Description Log successful waf requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

name

Description WAF Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

parent

Description inherit from parent template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parent-template-waf

Description WAF template (WAF Config name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

request-check

Description: request-check is a **JSON Block**. Please see below for *template-list_request-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/request-check*

reset-conn

Description Reset the client connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: reset-connhttp-redirect, http-resp-200 and http-resp-403 are mutually exclusive

resp-url-200

Description Response content to send client when denying request

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

resp-url-403

Description Response content to send client when denying request

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

response-cloaking

Description: response-cloaking is a **JSON Block**. Please see below for *template-list_response-cloaking*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/response-cloaking*

soap-format-check

Description Check XML document for SOAP format compliance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

violation-log-mask

Description: violation-log-mask is a **JSON Block**. Please see below for *template-list_violation-log-mask*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/violation-log-mask*

wsdl-file

Description Specify name of WSDL file for verifying XML body contents

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: wsdl-file and wsdl-resp-val-file are mutually exclusive

wsdl-resp-val-file

Description Specify name of WSDL file for verifying XML body contents

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: wsdl-resp-val-file and wsdl-file are mutually exclusive

xml-check

Description: xml-check is a **JSON Block**. Please see below for *template-list_xml-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/xml-check*

xml-schema-file

Description Specify name of XML-Schema file for verifying XML body contents

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: xml-schema-file and xml-schema-resp-val-file are mutually exclusive

xml-schema-resp-val-file

Description Specify name of XML-Schema file for verifying XML body contents

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: xml-schema-resp-val-file and xml-schema-file are mutually exclusive

template-list_violation-log-mask

Specification	
Type	*object*

query-param-name-equal-type

Description 'equals': Mask the query value if the query name equals to the string;

Type: string

Supported Values: equals

query-param-name-value

Description The list of Query parameter names

Type: string

Format: string-rlx

Maximum Length: 1031 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_data-leak-prevention

Specification	
Type	*object*

ccn-mask

Description Mask credit card numbers in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

mask

Description Character to mask the matched pattern (default: X)

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in response

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ssn-mask

Description Mask US Social Security numbers in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_brute-force-protection

Specification	
Type	*object*

brute-force-challenge-limit

Description Maximum brute-force events before sending challenge (default 2) (Maximum brute-force events before locking out client (default 2))

Type: number

Range: 0-65535

Default: 2

brute-force-global

Description Brute-force triggers apply globally instead of per-client (Apply brute-force triggers globally)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-lockout-limit

Description Maximum brute-force events before locking out client (default 5)

Type: number

Range: 0-65535

Default: 5

brute-force-lockout-period

Description Number of seconds client should be locked out (default 600)

Type: number

Range: 0-1800

Default: 600

brute-force-resp-codes

Description Trigger brute-force check on HTTP response code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-codes-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-resp-headers

Description Trigger brute-force check on HTTP response header names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-headers-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-resp-string

Description Trigger brute-force check on HTTP response line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-string-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-test-period

Description Number of seconds for brute-force event counting (default 60)

Type: number

Range: 0-600

Default: 60

challenge-action-cookie

Description Use Set-Cookie to determine if client allows cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

challenge-action-javascript

Description Add JavaScript to response to test if client allows JavaScript

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-disable-action

Description 'enable': Enable brute force protections; 'disable': Disable brute force protections (default);

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_request-check

Specification	
Type	*object*

bot-check

Description Check User-Agent for known bots

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bot-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

command-injection-check

Description Check to protect against command injection attacks

Type: string

Format: enum-list

command-injection-check-policy-file

Description Name of WAF policy command injection list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lifetime

Description Session lifetime in minutes (default 10)

Type: number

Range: 1-1440

Default: 10

redirect-whitelist

Description Check Redirect URL against list of previously learned redirects

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

referer-check

Description Check referer to protect against CSRF attacks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

referer-domain-list

Description List of referer domains allowed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: referer-domain-list and referer-domain-list-only are mutually exclusive

referer-domain-list-only

Description List of referer domains allowed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: referer-domain-list-only and referer-domain-list are mutually exclusive

referer-safe-url

Description Safe URL to redirect to if referer is missing

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

session-check

Description Enable session checking via session cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sqlia-check

Description 'reject': Reject requests with SQLIA patterns; 'sanitize': Remove bad SQL from request;

Type: string

Supported Values: reject

sqlia-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

url-blacklist

Description specify name of WAF policy list file to blacklist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-learned-list

Description Check URL against list of previously learned URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-whitelist

Description specify name of WAF policy list file to whitelist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

waf-blacklist-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

waf-whitelist-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

xss-check

Description 'reject': Reject requests with bad cookies; 'sanitize': Remove bad cookies from request;

Type: string

Supported Values: reject

xss-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

template-list_cookie-security

Specification	
Type	*object*

cookie-policy

Type: List

set-cookie-policy

Type: List

tamper-protection-grace-period

Description Allow unrecognized cookies for a period of time after cookie encryption being applied (default 120 minutes)

Type: number

Range: 0-43200

Default: 120

tamper-protection-http-only

Description Add HttpOnly flag to cookies not in set-cookie-policy list (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

tamper-protection-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

Default: none

tamper-protection-secret

Description Cookie encryption secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

tamper-protection-secure

Description Add Secure flag to cookies not in set-cookie-policy list (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

tamper-protection-session-cookie-only

Description Only encrypt session cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_cookie-security_set-cookie-policy

Specification	
Type	*list*
Block object keys	

set-cookie-policy-allow

Description Allow the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-cookie-policy-http-only

Description Add HttpOnly flag to cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-cookie-policy-name

Description Name of cookie

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

set-cookie-policy-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

set-cookie-policy-secret

Description Cookie encryption secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

set-cookie-policy-secret-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

set-cookie-policy-secure

Description Add Secure flag to cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_cookie-security_cookie-policy

Specification	
Type	*list*
Block object keys	

cookie-policy-allow

Description Allow the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-policy-disallow

Description Block the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-policy-name

Description Name of cookie

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template-list_response-cloaking

Specification	
Type	*object*

filter-headers

Description Removes web server's identifying headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hide-status-codes

Description Hides response status codes that are not allowed (default 4xx, 5xx)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hide-status-codes-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_json-check

Specification	
Type	*object*

format-check

Description Check HTTP body for JSON format compliance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-array-values

Description Maximum number of values in an array in a JSON request body (default 256) (Maximum number of values in a JSON array (default 256))

Type: number

Range: 0-4096

Default: 256

max-depth

Description Maximum recursion depth in a value in a JSON requesnt body (default 16) (Maximum recursion depth in a JSON value (default 16))

Type: number

Range: 0-4096

Default: 16

max-object-members

Description Maximum number of members in an object in a JSON request body (default 256) (Maximum number of members in a JSON object (default 256))

Type: number

Range: 0-4096

Default: 256

max-string-length

Description Maximum length of a string in a JSON request body (default 64) (Maximum length of a JSON string (default 64))

Type: number

Range: 0-4096

Default: 64

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_http-protocol-check

Specification	
Type	*object*

allowed-headers

Description List of allowed HTTP headers. Default is "". (List of HTTP headers allowed (default ""))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-headers-list

Description Allowed HTTP headers. Default "Host Referer User-Agent Accept Accept-Encoding ..." (see docs for full list) (Allowed HTTP headers (default "Host Referer User-Agent Accept Accept-Encoding ..." (see docs for full list)))

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: Host Referer User-Agent Accept Accept-Encoding Accept-Language Accept-Language Authorization Cache-Control Content-Length

allowed-methods

Description List of allowed HTTP methods. Default is "GET POST". (List of HTTP methods allowed (default "GET POST"))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-methods-list

Description List of allowed HTTP methods. Default is "GET POST". (List of HTTP methods allowed (default "GET POST"))

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: GET POST

allowed-versions

Description Enable allowed-versions check (default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-versions-list

Description List of allowed HTTP versions (default "1.0 1.1 2")

Type: string

Format: enum-list

Default: 1.0,1.1,2

bad-multipart-request

Description Check for bad multipart/form-data request body

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

body-without-content-type

Description Check for Body request without Content-Type header in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-with-content

Description Check for GET request with Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

head-with-content

Description Check for HEAD request with Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host-header-with-ip

Description Check for Host header with IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-url-encoding

Description Check for invalid URL encoding in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-content-length

Description Check for malformed content-length in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-header

Description Check for malformed HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-parameter

Description Check for malformed HTTP query/POST parameter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-request

Description Check for malformed HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-request-line

Description Check for malformed HTTP request line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-header-value

Description Check for missing header value in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-host-header

Description Check for missing Host header in HTTP/1.1 request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-content-length

Description Check for multiple Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-cookie-prefix

Description Check for Bad __Secure- or __Host- Cookie Name prefixes in non-ssl request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-with-0-content

Description Check for POST request with Content-Length 0

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-without-content

Description Check for POST request without Content-Length/Chunked Encoding headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-without-content-type

Description Check for POST request without Content-Type header in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_xml-check

Specification	
Type	*object*

format

Description Check HTTP body for XML format compliance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-attr

Description Maximum number of attributes of an XML element (default 256)

Type: number

Range: 0-256

Default: 256

max-attr-name-len

Description Maximum length of an attribute name (default 128)

Type: number

Range: 0-2048

Default: 128

max-attr-value-len

Description Maximum length of an attribute text value (default 128)

Type: number

Range: 0-4096

Default: 128

max-cdata-len

Description Maximum length of an CDATA section of an element (default 65535)

Type: number

Range: 0-65535

Default: 65535

max-elem

Description Maximum number of XML elements (default 1024)

Type: number

Range: 0-8192

Default: 1024

max-elem-child

Description Maximum number of children of an XML element (default 1024)

Type: number

Range: 0-4096

Default: 1024

max-elem-depth

Description Maximum recursion level for element definition (default 256)

Type: number

Range: 0-4096

Default: 256

max-elem-name-len

Description Maximum length for an element name (default 128)

Type: number

Range: 0-65535

Default: 128

max-entity-decl

Description Maximum number of entity declarations (default 1024)

Type: number

Range: 0-1024

Default: 1024

max-entity-depth

Description Maximum depth of entities (default 32)

Type: number

Range: 0-32

Default: 32

max-namespace

Description Maximum number of namespace declarations (default 16)

Type: number

Range: 0-256

Default: 16

max-namespace-uri-len

Description Maximum length of a namespace URI (default 256)

Type: number

Range: 0-1024

Default: 256

sqlia

Description Check XML data against SQLIA policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xss

Description Check XML data against XSS policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_http-limit-check

Specification	
Type	*object*

max-content-length

Description Max length of content (default 4096) (Maximum length of content allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-content-length-value

Description Max length of content (default 4096) (Maximum length of content allowed (default 4096))

Type: number

Range: 0-2147483647

Default: 4096

max-cookie-header-length

Description Max Cookie header length allowed in request (default 4096) (Maximum length of cookie header allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-header-length-value

Description Max Cookie header length allowed in request (default 4096) (Maximum length of cookie header allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookie-name-length

Description Max Cookie name length allowed in request (default 64) (Maximum length of cookie name allowed (default 64))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-name-length-value

Description Max Cookie name length allowed in request (default 64) (Maximum length of cookie name allowed (default 64))

Type: number

Range: 0-65535

Default: 64

max-cookie-value-length

Description Max Cookie value length allowed in request (default 4096) (Maximum length of cookie value allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-value-length-value

Description Max Cookie value length allowed in request (default 4096) (Maximum length of cookie value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookies

Description Max Cookies allowed in request (default 256) (Maximum number of cookie allowed (default 256))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookies-length

Description Total Cookies length allowed in request (default 4096) (Maximum length of all cookies in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookies-length-value

Description Total Cookies length allowed in request (default 4096) (Maximum length of all cookies in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookies-value

Description Max Cookies allowed in request (default 20) (Maximum number of cookie allowed (default 20))

Type: number

Range: 0-1023

Default: 20

max-entities

Description Maximum number of MIME entities allowed in request (default 10)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-entities-value

Description Maximum number of MIME entities allowed in request (default 10)

Type: number

Range: 0-512

Default: 10

max-header-length

Description Max header length allowed in request (default 4096) (Maximum length of header allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-length-value

Description Max header length allowed in request (default 4096) (Maximum length of header allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-header-name-length

Description Max header name length allowed in request (default 64) (Maximum length of header name allowed (default 64))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-name-length-value

Description Max header name length allowed in request (default 64) (Maximum length of header name allowed (default 64))

Type: number

Range: 0-65535

Default: 64

max-header-value-length

Description Max header value length allowed in request (default 4096) (Maximum length of header value allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-value-length-value

Description Max header value length allowed in request (default 4096) (Maximum length of header value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-headers

Description Total headers length allowed in request (default 4096) (Maximum length of all headers in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-headers-length

Description Total headers length allowed in request (default 4096) (Maximum length of all headers in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-headers-length-value

Description Total headers length allowed in request (default 4096) (Maximum length of all headers in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-headers-value

Description Total number of headers allowed in request (default 64) (Maximum number of headers in request (default 64))

Type: number

Range: 0-255

Default: 64

max-param-name-length

Description Max query/POST parameter name length allowed in request (default 64) (Maximum length of query/POST parameter names allowed (default 64))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-param-name-length-value

Description Max query/POST parameter name length allowed in request (default 256) (Maximum length of query/POST parameter names allowed (default 256))

Type: number

Range: 0-65535

Default: 256

max-param-value-length

Description Max query/POST parameter value length allowed in request (default 4096) (Maximum length of query/POST parameter value allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-param-value-length-value

Description Max query/POST parameter value length allowed in request (default 4096) (Maximum length of query/POST parameter value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-params

Description Total query/POST parameters allowed in request (default 4096) (Maximum number of query/POST parameters in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-params-length

Description Total query/POST paramaters length allowed in request (default 4096) (Maximum length of all params in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-params-length-value

Description Total query/POST parameters length allowed in request (default 4096) (Maximum length of all params in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-params-value

Description Total query/POST parameters allowed in request (default 64) (Maximum number of query/POST parameters in request (default 64))

Type: number

Range: 0-1024

Default: 64

max-post-length

Description Maximum content length allowed in POST request (default 20480)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-post-length-value

Description Maximum content length allowed in POST request (default 20480)

Type: number

Range: 0-2147483647

Default: 20480

max-query-length

Description Max length of query string (default 4096) (Maximum length of query string allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-query-length-value

Description Max length of query string (default 4096) (Maximum length of query string allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-request-length

Description Max length of request (default 4096) (Maximum length of request allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-request-length-value

Description Max length of request (default 20480) (Maximum length of request allowed (default 20480))

Type: number

Range: 0-2147483647

Default: 20480

max-request-line-length

Description Max length of request line (default 4096) (Maximum length of request line (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-request-line-length-value

Description Max length of request line (default 4096) (Maximum length of request line (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-url-length

Description Max length of url (default 4096) (Maximum length of url allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-length-value

Description Max length of url (default 4096) (Maximum length of url allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_evasion-check

Specification	
Type	*object*

apache-whitespace

Description Check for whitespace characters in URL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

decode-entities

Description Decode entities in internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-escaped-chars

Description Decode escaped characters such as r n " xXX u00YY in internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-plus-chars

Description Decode '+' as space in URL (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-unicode-chars

Description Check for evasion attempt using %u encoding of Unicode chars to bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

dir-traversal

Description Check for directory traversal attempt

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

high-ascii-bytes

Description Check for evasion attempt using ASCII bytes with values

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

invalid-hex-encoding

Description Check for evasion attempt using invalid hex characters (not in 0-9,a-f)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-levels

Description Max levels of encoding allowed in request (default 2)

Type: number

Range: 0-64

Default: 2

multiple-slashes

Description Check for evasion attempt using multiple slashes/backslashes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-comments

Description Remove comments from internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-spaces

Description Remove spaces from internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_form-protection

Specification	
Type	*object*

csrf-check

Description Tag the form to protect against Cross-site Request Forgery

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

field-consistency-check

Description Form input consistency check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-caching

Description Disable caching for response with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-non-ssl

Description Check whether SSL is used for request with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-request-non-post

Description Check whether POST is used for request with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-response-non-post

Description Check whether form method POST is used for response with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-response-non-post-sanitize

Description Change form method GET to POST (Use with caution: make sure server application still work)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-autocomplete

Description Check to protect against server-generated form which contain password fields that allow autocomplete

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-non-masked

Description Check forms that have a password field with a textual type, resulting in this field not being masked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-non-ssl

Description Check forms that has a password field if the form is not sent over an SSL connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xml-schema

Specification	
Type	*object*

max-filesize

Description Set maximum XML-Schema file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-256

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy

Specification	
Type	*object*

max-filesize

Description Set maximum WAF policy file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-10240

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wsdl

Specification	
Type	*object*

max-filesize

Description Set maximum WSDL file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-256

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.2 waf global

WAF global stats

global Specification

Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/waf/global
Element Attributes	global_attributes
Statistics Data URI	/axapi/v3/waf/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/global

global attributes

```
POST /axapi/v3/waf/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/waf/global

global attributes

```
GET /axapi/v3/waf/global
Reponse:
{
    "global": {
        "uuid": "044827ea-c86b-11e9-ba2d-9778838992f8",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/waf/global"
```

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```
    }
}
```

Modify Object

POST

/axapi/v3/waf/global

global attributes

Replace Object

PUT

/axapi/v3/waf/global

global attributes

```
PUT /axapi/v3/waf/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "total_req"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/waf/global

global attributes

```
DELETE /axapi/v3/waf/global
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_req': Total Requests; 'req_allowed': Requests Allowed; 'req_denied': Requests Denied; 'bot_check_succ': Botnet Check Success; 'bot_check_fail': Botnet Check Failure; 'form_consistency_succ': Form Consistency Success; 'form_consistency_fail': Form Consistency Failure; 'form_csrf_tag_succ': Form CSRF tag Success; 'form_csrf_tag_fail': Form CSRF tag Failure; 'url_check_succ': URL Check Success; 'url_check_fail': URL Check Failure; 'url_check_learn': URL Check Learn; 'buf_ovf_url_len_fail': Buffer Overflow - URL Length Failure; 'buf_ovf_cookie_len_fail': Buffer Overflow - Cookie Length Failure; 'buf_ovf_hdrs_len_fail': Buffer Overflow - Headers length Failure; 'buf_ovf_post_size_fail': Buffer Overflow - Post size Failure; 'max_cookies_fail': Max Cookies Failure; 'max_hdrs_fail': Max Headers Failure; 'http_method_check_succ': Http Method Check Success; 'http_method_check_fail': Http Method Check Failure; 'http_check_succ': Http Check Success; 'http_check_fail': Http Check Failure; 'referer_check_succ': Referer Check Success; 'referer_check_fail': Referer Check Failure; 'referer_check_redirect': Referer Check Redirect; 'uri_wlist_succ': URI White List Success; 'uri_wlist_fail': URI White List Failure; 'uri_blist_succ': URI Black List Success; 'uri_blist_fail': URI Black List Failure; 'post_form_check_succ': Post Form Check Success; 'post_form_check_sanitize': Post Form Check Sanitized; 'post_form_check_reject': Post Form Check Rejected; 'ccn_mask_amex': Credit Card Number Mask Amex; 'ccn_mask_diners': Credit Card Number Mask Diners; 'ccn_mask_visa': Credit Card Number Mask Visa; 'ccn_mask_mastercard': Credit Card Number Mask Mastercard; 'ccn_mask_discover': Credit Card Number Mask Discover; 'ccn_mask_jcb': Credit Card Number Mask Jcb; 'ssn_mask': Social Security Number Mask; 'pcre_mask': PCRE Mask; 'cookie_encrypt_succ': Cookie Encrypt Success; 'cookie_encrypt_fail': Cookie Encrypt Failure; 'cookie_encrypt_limit_exceeded': Cookie Encrypt Limit Exceeded; 'cookie_encrypt_skip_rcache': Cookie Encrypt Skip RCache; 'cookie_decrypt_succ': Cookie Decrypt Success; 'cookie_decrypt_fail': Cookie Decrypt Failure; 'sqlia_chk_url_succ': SQLIA Check URL Success; 'sqlia_chk_url_sanitize': SQLIA Check URL Sanitized; 'sqlia_chk_url_reject': SQLIA Check URL Rejected; 'sqlia_chk_post_succ': SQLIA Check Post Success; 'sqlia_chk_post_sanitize': SQLIA Check Post Sanitized; 'sqlia_chk_post_reject': SQLIA Check Post Rejected; 'xss_chk_cookie_succ': XSS Check Cookie Success; 'xss_chk_cookie_sanitize': XSS Check Cookie Sanitized; 'xss_chk_cookie_reject': XSS Check Cookie Rejected; 'xss_chk_url_succ': XSS Check URL Success; 'xss_chk_url_sanitize': XSS Check URL Sanitized; 'xss_chk_url_reject': XSS Check URL Rejected; 'xss_chk_post_succ': XSS Check Post Success; 'xss_chk_post_sanitize': XSS Check Post Sanitized; 'xss_chk_post_reject': XSS Check Post Rejected; 'resp_code_hidden': Response Code Hidden; 'resp_hdrs_filtered': Response Headers Filtered; 'learn_updates': Learning Updates; 'num_drops': Number Drops; 'num_resets': Number Resets; 'form_non_ssl_reject': Form Non SSL Rejected; 'form_non_post_reject': Form Non Post Rejected; 'sess_check_none': Session Check None; 'sess_check_succ': Session Check Success; 'sess_check_fail': Session Check Failure; 'soap_check_succ': Soap Check Success; 'soap_check_failure': Soap Check Failure;

'wsdl_fail': WSDL Failure; 'wsdl_succ': WSDL Success; 'xml_schema_fail': XML Schema Failure; 'xml_schema_succ': XML Schema Success; 'xml_sqlia_chk_fail': XML Sqlia Check Failure; 'xml_sqlia_chk_succ': XML Sqlia Check Success; 'xml_xss_chk_fail': XML XSS Check Failure; 'xml_xss_chk_succ': XML XSS Check Success; 'json_check_failure': JSON Check Failure; 'json_check_succ': JSON Check Success; 'xml_check_failure': XML Check Failure; 'xml_check_succ': XML Check Success; 'buf_ovf_cookie_value_len_fail': Buffer Overflow - Cookie Value Length Failure; 'buf_ovf_cookies_len_fail': Buffer Overflow - Cookies Length Failure; 'buf_ovf_hdr_name_len_fail': Buffer Overflow - Header Name Length Failure; 'buf_ovf_hdr_value_len_fail': Buffer Overflow - Header Value Length Failure; 'buf_ovf_max_data_parse_fail': Buffer Overflow - Max Data Parse Failure; 'buf_ovf_line_len_fail': Buffer Overflow - Line Length Failure; 'buf_ovf_parameter_name_len_fail': Buffer Overflow - HTML Parameter Name Length Failure; 'buf_ovf_parameter_value_len_fail': Buffer Overflow - HTML Parameter Value Length Failure; 'buf_ovf_parameter_total_len_fail': Buffer Overflow - HTML Parameter Total Length Failure; 'buf_ovf_query_len_fail': Buffer Overflow - Query Length Failure; 'max_entities_fail': Max Entities Failure; 'max_parameters_fail': Max Parameters Failure; 'buf_ovf_cookie_name_len_fail': Buffer Overflow - Cookie Name Length Failure; 'xml_limit_attr': XML Limit Attribue; 'xml_limit_attr_name_len': XML Limit Name Length; 'xml_limit_attr_value_len': XML Limit Value Length; 'xml_limit_cdata_len': XML Limit CData Length; 'xml_limit_elem': XML Limit Element; 'xml_limit_elem_child': XML Limit Element Child; 'xml_limit_elem_depth': XML Limit Element Depth; 'xml_limit_elem_name_len': XML Limit Element Name Length; 'xml_limit_entity_exp': XML Limit Entity Exp; 'xml_limit_entity_exp_depth': XML Limit Entity Exp Depth; 'xml_limit_namespace': XML Limit Namespace; 'xml_limit_namespace_uri_len': XML Limit Namespace URI Length; 'json_limit_array_value_count': JSON Limit Array Value Count; 'json_limit_depth': JSON Limit Depth; 'json_limit_object_member_count': JSON Limit Object Number Count; 'json_limit_string': JSON Limit String; 'form_non_masked_password': Form Non Masked Password; 'form_non_ssl_password': Form Non SSL Password; 'form_password_autocomplete': Form Password Autocomplete; 'redirect_wlist_succ': Redirect Whitelist Success; 'redirect_wlist_fail': Redirect Whitelist Failure; 'redirect_wlist_learn': Redirect Whitelist Learn; 'form_set_no_cache': Form Set No Cache; 'resp_denied': Responses Denied;

Type: string

Supported Values: all, total_req, req_allowed, req_denied, resp_denied, brute_force_success, brute_force_violation, brute_force_challenge_cookie_sent, brute_force_challenge_cookie_success, brute_force_challenge_cookie_violation, brute_force_challenge_javascript_sent, brute_force_challenge_javascript_success, brute_force_challenge_javascript_violation, brute_force_challenge_captcha_sent, brute_force_challenge_captcha_success, brute_force_challenge_captcha_violation, brute_force_lockout_limit_success, brute_force_lockout_limit_violation, brute_force_challenge_limit_success, brute_force_challenge_limit_violation, brute_force_response_codes_triggered, brute_force_response_headers_triggered, brute_force_response_string_triggered, cookie_security_encrypt_success, cookie_security_encrypt_violation, cookie_security_encrypt_limit_exceeded, cookie_security_encrypt_skip_rcache, cookie_security_decrypt_success, cookie_security_decrypt_violation, cookie_security_sign_success, cookie_security_sign_violation, cookie_security_sign_limit_exceeded, cookie_security_sign_skip_rcache, cookie_security_signature_check_success, cookie_security_signature_check_violation, cookie_security_add_http_only_success, cookie_security_add_http_only_violation, cookie_security_add_secure_success, cookie_security_add_secure_violation, cookie_security_missing_cookie_success, cookie_security_missing_cookie_violation, cookie_security_unrecognized_cookie_success, cookie_security_unrecognized_cookie_violation, cookie_security_cookie_policy_success,

cookie_security_cookie_policy_violation, cookie_security_persistent_cookies, cookie_security_persistent_cookies_encrypted, cookie_security_persistent_cookies_signed, cookie_security_session_cookies, cookie_security_session_cookies_encrypted, cookie_security_session_cookies_signed, cookie_security_allowed_session_cookies, cookie_security_allowed_persistent_cookies, cookie_security_disallowed_session_cookies, cookie_security_disallowed_persistent_cookies, cookie_security_allowed_session_set_cookies, cookie_security_allowed_persistent_set_cookies, cookie_security_disallowed_session_set_cookies, cookie_security_disallowed_persistent_set_cookies, csp_header_violation, csp_header_success, csp_header_inserted, form_csrf_tag_success, form_csrf_tag_violation, form_consistency_success, form_consistency_violation, form_tag_inserted, form_non_ssl_success, form_non_ssl_violation, form_request_non_post_success, form_request_non_post_violation, form_check_success, form_check_violation, form_check_sanitize, form_non_masked_password_success, form_non_masked_password_violation, form_non_ssl_password_success, form_non_ssl_password_violation, form_password_autocomplete_success, form_password_autocomplete_violation, form_set_no_cache_success, form_set_no_cache, dlp_ccn_success, dlp_ccn_amex_violation, dlp_ccn_amex_masked, dlp_ccn_diners_violation, dlp_ccn_diners_masked, dlp_ccn_visa_violation, dlp_ccn_visa_masked, dlp_ccn_mastercard_violation, dlp_ccn_mastercard_masked, dlp_ccn_discover_violation, dlp_ccn_discover_masked, dlp_ccn_jcb_violation, dlp_ccn_jcb_masked, dlp_ssn_success, dlp_ssn_violation, dlp_pcre_success, dlp_pcre_violation, dlp_pcre_masked, evasion_check_apache_whitespace_success, evasion_check_apache_whitespace_violation, evasion_check_decode_entities_success, evasion_check_decode_entities_violation, evasion_check_decode_escaped_chars_success, evasion_check_decode_escaped_chars_violation, evasion_check_decode_unicode_chars_success, evasion_check_decode_unicode_chars_violation, evasion_check_dir_traversal_success, evasion_check_dir_traversal_violation

counters2

Description 'evasion_check_high_ascii_bytes_violation': High Ascii Bytes check violation; 'evasion_check_invalid_hex_encoding_success': Invalid Hex Encoding check passed; 'evasion_check_invalid_hex_encoding_violation': Invalid Hex Encoding check violation; 'evasion_check_multiple_encoding_levels_success': Multiple Encoding Levels check passed; 'evasion_check_multiple_encoding_levels_violation': Multiple Encoding Levels check violation; 'evasion_check_multiple_slashes_success': Multiple Slashes check passed; 'evasion_check_multiple_slashes_violation': Multiple Slashes check violation; 'evasion_check_max_levels_success': Max Levels check passed; 'evasion_check_max_levels_violation': Max Levels check violation; 'evasion_check_remove_comments_success': Remove Comments check passed; 'evasion_check_remove_comments_violation': Remove Comments check violation; 'evasion_check_remove_spaces_success': Remove Spaces check passed; 'evasion_check_remove_spaces_violation': Remove Spaces check violation; 'http_limit_max_content_length_success': MAX content-length check passed; 'http_limit_max_content_length_violation': MAX content-length check violation; 'http_limit_max_cookie_header_length_success': MAX cookie header length check passed; 'http_limit_max_cookie_header_length_violation': MAX cookie header length violation; 'http_limit_max_cookie_name_length_success': MAX cookie name length check passed; 'http_limit_max_cookie_name_length_violation': MAX cookie name length violation; 'http_limit_max_cookie_value_length_success': MAX cookie value length check passed; 'http_limit_max_cookie_value_length_violation': MAX cookie value length violation; 'http_limit_max_cookies_success': Max Cookies check passed; 'http_limit_max_cookies_violation': Max Cookies violation; 'http_limit_max_cookies_length_success': MAX cookies length check passed; 'http_limit_max_cookies_length_violation': MAX cookies length vi-

olation; 'http_limit_max_data_parse_success': Buffer Overflow - Max Data Parse check passed; 'http_limit_max_data_parse_violation': Buffer Overflow - Max Data Parse violation; 'http_limit_max_entities_success': Max Entities check passed; 'http_limit_max_entities_violation': Max Entities violation; 'http_limit_max_header_length_success': MAX header length check passed; 'http_limit_max_header_length_violation': MAX header length check violation; 'http_limit_max_header_name_length_success': MAX header name length check passed; 'http_limit_max_header_name_length_violation': MAX header name length check violation; 'http_limit_max_header_value_length_success': MAX header value length check passed; 'http_limit_max_header_value_length_violation': MAX header value length check violation; 'http_limit_max_headers_success': MAX headers count check passed; 'http_limit_max_headers_violation': Max Headers violation; 'http_limit_max_headers_length_success': MAX headers length check passed; 'http_limit_max_headers_length_violation': MAX headers length check violation; 'http_limit_max_param_name_length_success': Limit check - MAX parameter name length check passed; 'http_limit_max_param_name_length_violation': Limit check - MAX parameter name length violation; 'http_limit_max_param_value_length_success': Limit check - MAX parameter value length check passed; 'http_limit_max_param_value_length_violation': Limit check - MAX parameter value length violation; 'http_limit_max_params_success': Limit check - MAX parameters check passed; 'http_limit_max_params_violation': Limit check - MAX parameters violation; 'http_limit_max_params_length_success': Limit check - MAX parameters total length check passed; 'http_limit_max_params_length_violation': Limit check - MAX parameters total length violation; 'http_limit_max_post_length_success': MAX POST length check passed; 'http_limit_max_post_length_violation': MAX POST length violation; 'http_limit_max_query_length_success': Limit check - MAX query length check passed; 'http_limit_max_query_length_violation': Limit check - MAX query length violation; 'http_limit_max_request_length_success': Limit check - MAX request length check passed; 'http_limit_max_request_length_violation': Limit check - MAX request length violation; 'http_limit_max_request_line_length_success': Limit check - MAX request line length check passed; 'http_limit_max_request_line_length_violation': Limit check - MAX request line length violation; 'max_url_length_success': Limit check - MAX URL length check passed; 'max_url_length_violation': Limit check - MAX URL length violation; 'http_protocol_allowed_headers_success': HTTP headers check passed; 'http_protocol_allowed_headers_violation': HTTP headers check violation; 'http_protocol_allowed_versions_success': HTTP versions check passed; 'http_protocol_allowed_versions_violation': HTTP versions check violation; 'http_protocol_allowed_method_check_success': HTTP Method Check passed; 'http_protocol_allowed_method_check_violation': HTTP Method Check violation; 'http_protocol_bad_multipart_request_success': Bad multi-part request check passed; 'http_protocol_bad_multipart_request_violation': Bad multi-part request check violation; 'http_protocol_get_with_content_success': GET with content check passed; 'http_protocol_get_with_content_violation': GET with content check violation; 'http_protocol_head_with_content_success': HEAD with content check passed; 'http_protocol_head_with_content_violation': HEAD with content check violation; 'http_protocol_host_header_with_ip_success': Host header with IP check passed; 'http_protocol_host_header_with_ip_violation': Host header with IP check violation; 'http_protocol_invalid_url_encoding_success': Invalid url encoding check passed; 'http_protocol_invalid_url_encoding_violation': Invalid url encoding check violation; 'http_protocol_malformed_content_length_success': Malformed content-length check passed; 'http_protocol_malformed_content_length_violation': Malformed content-length check violation; 'http_protocol_malformed_header_success': Malformed header check passed; 'http_protocol_malformed_header_violation': Malformed header check passed; 'http_protocol_malformed_parameter_success': Malformed parameter check passed; 'http_protocol_malformed_parameter_violation': Malformed parameter check viola-

tion; 'http_protocol_malformed_request_success': Malformed request check passed; 'http_protocol_malformed_request_violation': Malformed request check violation; 'http_protocol_malformed_request_line_success': Malformed request line check passed; 'http_protocol_malformed_request_line_violation': Malformed request line check violation; 'http_protocol_missing_header_value_success': Missing header value check violation; 'http_protocol_missing_header_value_violation': Missing header value check violation; 'http_protocol_missing_host_header_success': Missing host header check passed; 'http_protocol_missing_host_header_violation': Missing host header check violation; 'http_protocol_multiple_content_length_success': Multiple content-length headers check passed; 'http_protocol_multiple_content_length_violation': Multiple content-length headers check violation; 'http_protocol_post_with_0_content_success': POST with 0 content check passed; 'http_protocol_post_with_0_content_violation': POST with 0 content check violation; 'http_protocol_post_without_content_success': POST without content check passed; 'http_protocol_post_without_content_violation': POST without content check violation; 'http_protocol_success': HTTP Check passed; 'http_protocol_violation': HTTP Check violation; 'json_check_format_success': JSON Check passed; 'json_check_format_violation': JSON Check violation; 'json_check_max_array_value_count_success': JSON Limit Array Value Count check passed;

Type: string

Supported Values: evasion_check_high_ascii_bytes_success, evasion_check_high_ascii_bytes_violation, evasion_check_invalid_hex_encoding_success, evasion_check_invalid_hex_encoding_violation, evasion_check_multiple_encoding_levels_success, evasion_check_multiple_encoding_levels_violation, evasion_check_multiple_slashes_success, evasion_check_multiple_slashes_violation, evasion_check_max_levels_success, evasion_check_max_levels_violation, evasion_check_remove_comments_success, evasion_check_remove_comments_violation, evasion_check_remove_spaces_success, evasion_check_remove_spaces_violation, http_limit_max_content_length_success, http_limit_max_content_length_violation, http_limit_max_cookie_header_length_success, http_limit_max_cookie_header_length_violation, http_limit_max_cookie_name_length_success, http_limit_max_cookie_name_length_violation, http_limit_max_cookie_value_length_success, http_limit_max_cookie_value_length_violation, http_limit_max_cookies_success, http_limit_max_cookies_violation, http_limit_max_cookies_length_success, http_limit_max_cookies_length_violation, http_limit_max_data_parse_success, http_limit_max_data_parse_violation, http_limit_max_entities_success, http_limit_max_entities_violation, http_limit_max_header_length_success, http_limit_max_header_length_violation, http_limit_max_header_name_length_success, http_limit_max_header_name_length_violation, http_limit_max_header_value_length_success, http_limit_max_header_value_length_violation, http_limit_max_headers_success, http_limit_max_headers_violation, http_limit_max_headers_length_success, http_limit_max_headers_length_violation, http_limit_max_param_name_length_success, http_limit_max_param_name_length_violation, http_limit_max_param_value_length_success, http_limit_max_param_value_length_violation, http_limit_max_params_success, http_limit_max_params_violation, http_limit_max_params_length_success, http_limit_max_params_length_violation, http_limit_max_post_length_success, http_limit_max_post_length_violation, http_limit_max_query_length_success, http_limit_max_query_length_violation, http_limit_max_request_length_success, http_limit_max_request_length_violation, http_limit_max_request_line_length_success, http_limit_max_request_line_length_violation, max_url_length_success, max_url_length_violation, http_protocol_allowed_headers_success, http_protocol_allowed_headers_violation, http_protocol_allowed_versions_success, http_protocol_allowed_versions_violation, http_protocol_allowed_method_check_success, http_protocol_allowed_method_check_violation, http_protocol_bad_multipart_request_success, http_protocol_bad_multipart_request_violation, http_protocol_get_with_content_success,

http_protocol_get_with_content_violation, http_protocol_head_with_content_success, http_protocol_head_with_content_violation, http_protocol_host_header_with_ip_success, http_protocol_host_header_with_ip_violation, http_protocol_invalid_url_encoding_success, http_protocol_invalid_url_encoding_violation, http_protocol_malformed_content_length_success, http_protocol_malformed_content_length_violation, http_protocol_malformed_header_success, http_protocol_malformed_header_violation, http_protocol_malformed_parameter_success, http_protocol_malformed_parameter_violation, http_protocol_malformed_request_success, http_protocol_malformed_request_violation, http_protocol_malformed_request_line_success, http_protocol_malformed_request_line_violation, http_protocol_missing_header_value_success, http_protocol_missing_header_value_violation, http_protocol_missing_host_header_success, http_protocol_missing_host_header_violation, http_protocol_multiple_content_length_success, http_protocol_multiple_content_length_violation, http_protocol_post_with_0_content_success, http_protocol_post_with_0_content_violation, http_protocol_post_without_content_success, http_protocol_post_without_content_violation, http_protocol_success, http_protocol_violation, json_check_format_success

counters3

Description 'json_check_max_array_value_count_violation': JSON Limit Array Value Count violation; 'json_check_max_depth_success': JSON Limit Depth check passed; 'json_check_max_depth_violation': JSON Limit Depth violation; 'json_check_max_object_member_count_success': JSON Limit Object Number Count check passed; 'json_check_max_object_member_count_violation': JSON Limit Object Number Count violation; 'json_check_max_string_success': JSON Limit String check passed; 'json_check_max_string_violation': JSON Limit String violation; 'request_check_bot_success': Botnet check passed; 'request_check_bot_violation': Botnet check violation; 'request_check_redirect_wlist_success': Redirect Whitelist passed; 'request_check_redirect_wlist_violation': Redirect Whitelist violation; 'request_check_redirect_wlist_learn': Redirect Whitelist Learn; 'request_check_referer_success': Referer Check passed; 'request_check_referer_violation': Referer Check violation; 'request_check_referer_redirect': Referer Check Redirect; 'request_check_session_check_none': Session Created; 'request_check_session_check_success': Session Check passed; 'request_check_session_check_violation': Session Check violation; 'request_check_sqlia_url_success': SQLIA Check URL passed; 'request_check_sqlia_url_violation': SQLIA Check URL violation; 'request_check_sqlia_url_sanitize': SQLIA Check URL Sanitized; 'request_check_sqlia_post_body_success': SQLIA Check Post passed; 'request_check_sqlia_post_body_violation': SQLIA Check Post violation; 'request_check_sqlia_post_body_sanitize': SQLIA Check Post Sanitized; 'request_check_url_list_success': URL Check passed; 'request_check_url_list_violation': URL Check violation; 'request_check_url_list_learn': URL Check Learn; 'request_check_url_whitelist_success': URI White List passed; 'request_check_url_whitelist_violation': URI White List violation; 'request_check_url_blacklist_success': URI Black List passed; 'request_check_url_blacklist_violation': URI Black List violation; 'request_check_xss_cookie_success': XSS Check Cookie passed; 'request_check_xss_cookie_violation': XSS Check Cookie violation; 'request_check_xss_cookie_sanitize': XSS Check Cookie Sanitized; 'request_check_xss_url_success': XSS Check URL passed; 'request_check_xss_url_violation': XSS Check URL violation; 'request_check_xss_url_sanitize': XSS Check URL Sanitized; 'request_check_xss_post_body_success': XSS Check Post passed; 'request_check_xss_post_body_violation': XSS Check Post violation; 'request_check_xss_post_body_sanitize': XSS Check Post Sanitized; 'response_cloaking_hide_status_code_success': Response Hide Code check passed;

'response_cloaking_hide_status_code_violation': Response Hide Code violation; 'response_cloaking_filter_headers_success': Response Headers Filter check passed; 'response_cloaking_filter_headers_violation': Response Headers Filter violation; 'soap_check_success': Soap Check passed; 'soap_check_violation': Soap Check violation; 'xml_check_format_success': XML Check passed; 'xml_check_format_violation': XML Check violation; 'xml_check_max_attr_success': XML Limit Attribute check passed; 'xml_check_max_attr_violation': XML Limit Attribute violation; 'xml_check_max_attr_name_len_success': XML Limit Name Length check passed; 'xml_check_max_attr_name_len_violation': XML Limit Name Length violation; 'xml_check_max_attr_value_len_success': XML Limit Value Length check passed; 'xml_check_max_attr_value_len_violation': XML Limit Value Length violation; 'xml_check_max_cdata_len_success': XML Limit CData Length check passed; 'xml_check_max_cdata_len_violation': XML Limit CData Length violation; 'xml_check_max_elem_success': XML Limit Element check passed; 'xml_check_max_elem_violation': XML Limit Element violation; 'xml_check_max_elem_child_success': XML Limit Element Child check passed; 'xml_check_max_elem_child_violation': XML Limit Element Child violation; 'xml_check_max_elem_depth_success': XML Limit Element Depth check passed; 'xml_check_max_elem_depth_violation': XML Limit Element Depth violation; 'xml_check_max_elem_name_len_success': XML Limit Element Name Length check passed; 'xml_check_max_elem_name_len_violation': XML Limit Element Name Length violation; 'xml_check_max_entity_exp_success': XML Limit Entity Exp check passed; 'xml_check_max_entity_exp_violation': XML Limit Entity Exp violation; 'xml_check_max_entity_exp_depth_success': XML Limit Entity Exp Depth check passed; 'xml_check_max_entity_exp_depth_violation': XML Limit Entity Exp Depth violation; 'xml_check_max_namespace_success': XML Limit Namespace check passed; 'xml_check_max_namespace_violation': XML Limit Namespace violation; 'xml_check_namespace_uri_len_success': XML Limit Namespace URI Length check passed; 'xml_check_namespace_uri_len_violation': XML Limit Namespace URI Length violation; 'xml_check_sqlia_success': XML Sqlia Check passed; 'xml_check_sqlia_violation': XML Sqlia Check violation; 'xml_check_xss_success': XML XSS Check passed; 'xml_check_xss_violation': XML XSS Check violation; 'xml_content_check_schema_success': XML Schema passed; 'xml_content_check_schema_violation': XML Schema violation; 'xml_content_check_wsdl_success': WSDL passed; 'xml_content_check_wsdl_violation': WSDL violation; 'learning_list_full': Learning list is full; 'action_allow': Action allowed; 'action_deny_200': Deny with 200; 'action_deny_403': Deny with 403; 'action_deny_redirect': Deny with Redirect; 'action_deny_reset': Deny with Resets; 'action_drop': Number of Drops; 'action_deny_custom_response': Deny with custom response; 'action_learn': Learning Updates; 'action_log': Log request violation; 'policy_limit_exceeded': Policy limit exceeded; 'sessions_alloc': Sessions allocated; 'sessions_freed': Sessions freed; 'out_of_sessions': Out of sessions; 'too_many_sessions': Too many sessions consumed; 'regex_violation': Regular expression failure; 'request_check_command_injection_cookies_success': Command Injection Check cookies passed; 'request_check_command_injection_cookies_violation': Command Injection Check cookies violation; 'request_check_command_injection_headers_success': Command Injection Check headers passed; 'request_check_command_injection_headers_violation': Command Injection Check headers violation; 'request_check_command_injection_uri_query_success': Command Injection Check url query arguments passed; 'request_check_command_injection_uri_query_violation': Command Injection Check url query arguments violation; 'request_check_command_injection_form_body_success': Command Injection Check form body arguments passed; 'request_check_command_injection_form_body_violation': Command Injection Check form body arguments violation; 'cookie_security_decrypt_in_grace_period_violation': Cookie

Decrypt violation but in grace period;

Type: string

Supported Values: json_check_format_violation, json_check_max_array_value_count_success, json_check_max_array_value_count_violation, json_check_max_depth_success, json_check_max_depth_violation, json_check_max_object_member_count_success, json_check_max_object_member_count_violation, json_check_max_string_success, json_check_max_string_violation, request_check_bot_success, request_check_bot_violation, request_check_redirect_wlist_success, request_check_redirect_wlist_violation, request_check_redirect_wlist_learn, request_check_referer_success, request_check_referer_violation, request_check_referer_redirect, request_check_session_check_none, request_check_session_check_success, request_check_session_check_violation, request_check_sqlia_url_success, request_check_sqlia_url_violation, request_check_sqlia_url_sanitize, request_check_sqlia_post_body_success, request_check_sqlia_post_body_violation, request_check_sqlia_post_body_sanitize, request_check_url_list_success, request_check_url_list_violation, request_check_url_list_learn, request_check_url_whitelist_success, request_check_url_whitelist_violation, request_check_url_blacklist_success, request_check_url_blacklist_violation, request_check_xss_cookie_success, request_check_xss_cookie_violation, request_check_xss_cookie_sanitize, request_check_xss_url_success, request_check_xss_url_violation, request_check_xss_url_sanitize, request_check_xss_post_body_success, request_check_xss_post_body_violation, request_check_xss_post_body_sanitize, response_cloaking_hide_status_code_success, response_cloaking_hide_status_code_violation, response_cloaking_filter_headers_success, response_cloaking_filter_headers_violation, soap_check_success, soap_check_violation, xml_check_format_success, xml_check_format_violation, xml_check_max_attr_success, xml_check_max_attr_violation, xml_check_max_attr_name_len_success, xml_check_max_attr_name_len_violation, xml_check_max_attr_value_len_success, xml_check_max_attr_value_len_violation, xml_check_max_cdata_len_success, xml_check_max_cdata_len_violation, xml_check_max_elem_success, xml_check_max_elem_violation, xml_check_max_elem_child_success, xml_check_max_elem_child_violation, xml_check_max_elem_depth_success, xml_check_max_elem_depth_violation, xml_check_max_elem_name_len_success, xml_check_max_elem_name_len_violation, xml_check_max_entity_exp_success, xml_check_max_entity_exp_violation, xml_check_max_entity_exp_depth_success, xml_check_max_entity_exp_depth_violation, xml_check_max_namespace_success, xml_check_max_namespace_violation, xml_check_namespace_uri_len_success, xml_check_namespace_uri_len_violation, xml_check_sqlia_success, xml_check_sqlia_violation, xml_check_xss_success, xml_check_xss_violation, xml_content_check_schema_success, xml_content_check_schema_violation, xml_content_check_wsdl_success, xml_content_check_wsdl_violation, learning_list_full, action_allow, action_deny_200, action_deny_403, action_deny_redirect, action_deny_reset, action_drop, action_deny_custom_response, action_learn, action_log, policy_limit_exceeded, sessions_alloc, sessions_freed, out_of_sessions, too_many_sessions, regex_violation, request_check_command_injection_cookies_success, request_check_command_injection_cookies_violation, request_check_command_injection_headers_success, request_check_command_injection_headers_violation, request_check_command_injection_uri_query_success, request_check_command_injection_uri_query_violation, request_check_command_injection_form_body_success, request_check_command_injection_form_body_violation, cookie_security_decrypt_in_grace_period_violation, form_response_non_post_success, form_response_non_post_violation, form_response_non_post_sanitize, xml_check_max_entity_decl_success, xml_check_max_entity_decl_violation, xml_check_max_entity_depth_success, xml_check_max_entity_depth_violation, ac-

tion_response_allow, action_response_deny_200

counters4

Description 'action_response_deny_403': Response Deny with 403; 'action_response_deny_redirect': Response Deny with Redirect; 'action_response_deny_reset': Deny with Resets; 'action_response_drop': Number of Dropped Responses; 'action_response_deny_custom_response': Response Deny with custom response; 'action_response_learn': Response Learning Updates; 'action_response_log': Log response violation; 'http_protocol_post_without_content_type_success': POST without content type check passed; 'http_protocol_post_without_content_type_violation': POST without content type check violation; 'http_protocol_body_without_content_type_success': Body without content type check passed; 'http_protocol_body_without_content_type_violation': Body without content type check violation; 'http_protocol_non_ssl_cookie_prefix_success': Cookie Name Prefix check passed; 'http_protocol_non_ssl_cookie_prefix_violation': Cookie Name Prefix check violation; 'cookie_security_add_samesite_success': Cookie Security - samesite attribute added successfully; 'cookie_security_add_samesite_violation': Cookie Security - samesite attribute violation; 'rule_set_request': Requests hanlded by WAF rule set; 'rule_set_response': Responses hanlded by WAF rule set; 'phase1_pass': WAF rule set pass hits in phase 1; 'phase1_allow': WAF rule set allow hits in phase 1; 'phase1_deny': WAF rule set deny hits in phase 1; 'phase1_drop': WAF rule set drop hits in phase 1; 'phase1_redirect': WAF rule set redirect hits in phase 1; 'phase1_other': WAF rule set other hits in phase 1; 'phase2_pass': WAF rule set pass hits in phase 2; 'phase2_allow': WAF rule set allow hits in phase 2; 'phase2_deny': WAF rule set deny hits in phase 2; 'phase2_drop': WAF rule set drop hits in phase 2; 'phase2_redirect': WAF rule set redirect hits in phase 2; 'phase2_other': WAF rule set other hits in phase 2; 'phase3_pass': WAF rule set pass hits in phase 3; 'phase3_allow': WAF rule set allow hits in phase 3; 'phase3_deny': WAF rule set deny hits in phase 3; 'phase3_drop': WAF rule set drop hits in phase 3; 'phase3_redirect': WAF rule set redirect hits in phase 3; 'phase3_other': WAF rule set other hits in phase 3; 'phase4_pass': WAF rule set pass hits in phase 4; 'phase4_allow': WAF rule set allow hits in phase 4; 'phase4_deny': WAF rule set deny hits in phase 4; 'phase4_drop': WAF rule set drop hits in phase 4; 'phase4_redirect': WAF rule set redirect hits in phase 4; 'phase4_other': WAF rule set other hits in phase 4;

Type: string

Supported Values: action_response_deny_403, action_response_deny_redirect, action_response_deny_reset, action_response_drop, action_response_deny_custom_response, action_response_learn, action_response_log, http_protocol_post_without_content_type_success, http_protocol_post_without_content_type_violation, http_protocol_body_without_content_type_success, http_protocol_body_without_content_type_violation, http_protocol_non_ssl_cookie_prefix_success, http_protocol_non_ssl_cookie_prefix_violation, cookie_security_add_samesite_success, cookie_security_add_samesite_violation, rule_set_request, rule_set_response, phase1_pass, phase1_allow, phase1_deny, phase1_drop, phase1_redirect, phase1_other, phase2_pass, phase2_allow, phase2_deny, phase2_drop, phase2_redirect, phase2_other, phase3_pass, phase3_allow, phase3_deny, phase3_drop, phase3_redirect, phase3_other, phase4_pass, phase4_allow, phase4_deny, phase4_drop, phase4_redirect, phase4_other

stats data

	Counter	Size	Description
	response_cloaking_hide_status_code_success	8	Response Hide Code check passed
	http_limit_max_header_name_length_violation	8	MAX header name length check violation
	action_response_deny_custom_response	8	Response Deny with custom response
	dlp_ccn_mastercard_violation	8	MasterCard Credit Card Number Detected
	http_protocol_non_ssl_cookie_prefix_success	8	Cookie Name Prefix check passed
	request_check_url_blacklist_success	8	URI Black List passed
	http_limit_max_data_parse_violation	8	Buffer Overflow - Max Data Parse violation
	brute_force_challenge_cookie_violation	8	Cookie challenge violation
	evasion_check_remove_spaces_success	8	Remove Spaces check passed
	cookie_security_persistent_cookies	8	Cookie Security - persistent cookies
	form_non_masked_password_violation	8	Form Non Masked Password violation
	http_limit_max_cookies_length_violation	8	MAX cookies length violation
	request_check_command_injection_uri_query_success	8	Command Injection Check url query arguments passed
	form_response_non_post_violation	8	Response form method was not POST
	cookie_security_allowed_persistent_set_cookie	8	Cookie Security - allowed persistent Set-Cookies
	request_check_session_check_none	8	Session Created
	request_check_referer_redirect	8	Referer Check Redirect
	xml_check_max_cdata_len_violation	8	XML Limit CData Length violation
	evasion_check_high_ascii_bytes_violation	8	High Ascii Bytes check violation
	http_limit_max_param_value_length_violation	8	Limit check - MAX parameter value length violation
	request_check_url_list_learn	8	URL Check Learn
	request_check_xss_post_body_sanitize	8	XSS Check Post Sanitized
	form_check_sanitize	8	Post Form Check Sanitized
	brute_force_challenge_cookie_sent	8	Cookie Challenge Sent
	http_limit_max_post_length_violation	8	MAX POST length violation
	cookie_security_signature_check_violation	8	Cookie Security - signature check failed
	http_protocol_host_header_with_ip_violation	8	Host header with IP check violation
	json_check_max_depth_violation	8	JSON Limit Depth violation
	evasion_check_decode_entities_success	8	Decode Entities check passed
	xml_check_max_namespace_violation	8	XML Limit Namespace violation
	brute_force_response_string_triggered	8	Brute Force Response string Triggered
	action_learn	8	Request Learning Updates
	request_check_url_list_success	8	URL Check passed
	http_protocol_malformed_request_line_violation	8	Malformed request line check violation
	http_limit_max_params_length_success	8	Limit check - MAX parameters total length check passed

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Table 2.78 – continued from previous page

	Counter	Size	Description
	resp_denied	8	Responses Denied
	request_check_sqlia_post_body_success	8	SQLIA Check Post passed
	cookie_security_decrypt_success	8	Cookie Security - decrypt successful
	http_limit_max_param_value_length_success	8	Limit check - MAX parameter value length check passed
	xml_check_max_attr_name_len_violation	8	XML Limit Name Length violation
	cookie_security_session_cookies	8	Cookie Security - session cookies
	request_check_sqlia_url_violation	8	SQLIA Check URL violation
	form_tag_inserted	8	Form A10 Tag Inserted
	max_url_length_success	8	Limit check - MAX URL length check passed
	brute_force_response_codes_triggered	8	Response Codes Triggered
	http_limit_max_cookies_success	8	Max Cookies check passed
	action_response_learn	8	Response Learning Updates
	http_limit_max_content_length_success	8	MAX content-length check passed
	cookie_security_sign_skip_rcache	8	Cookie Security - signing skipped - RAM cache
	xml_check_max_attr_value_len_violation	8	XML Limit Value Length violation
	http_protocol_post_with_0_content_violation	8	POST with 0 content check violation
	cookie_security_disallowed_persistent_cookies	8	Cookie Security - disallowed persistent cookies
	xml_content_check_schema_violation	8	XML Schema violation
	evasion_check_multiple_slashes_violation	8	Multiple Slashes check violation
	http_limit_max_request_length_success	8	Limit check - MAX request length check passed
	response_cloaking_filter_headers_violation	8	Response Headers Filter violation
	request_check_command_injection_uri_query_violation	8	Command Injection Check url query arguments violation
	csp_header_violation	8	CSP header_missing
	http_protocol_post_without_content_type_violation	8	POST without content type check violation
	http_limit_max_cookie_header_length_success	8	MAX cookie header length check passed
	http_protocol_post_without_content_success	8	POST without content check passed
	json_check_format_success	8	JSON Check passed
	xml_check_max_elem_success	8	XML Limit Element check passed
	xml_check_xss_success	8	XML XSS Check passed
	http_limit_max_headers_success	8	MAX headers count check passed
	request_check_url_whitelist_success	8	URI White List passed
	dlp_pcre_violation	8	PCRE Mask violation
	brute_force_success	8	Brute-Force checks passed
	cookie_security_decrypt_in_grace_period_violation	8	Cookie Decrypt violation but in grace period
	http_limit_max_cookie_name_length_violation	8	MAX cookie name length violation
	evasion_check_decode_escaped_chars_success	8	Decode Escaped Chars check passed
	dlp_ccn_discover_masked	8	Discover Credit Card Number Masked
	cookie_security_add_http_only_violation	8	Cookie Security - http-only flag violation
	request_check_xss_url_success	8	XSS Check URL passed
	xml_check_max_entity_exp_depth_violation	8	XML Limit Entities Depth violation

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Table 2.78 – continued from previous page

	Counter	Size	Description
	http_protocol_post_without_content_type_success	8	POST without content type check passed
	action_deny_200	8	Request Deny with 200
	cookie_security_encrypt_limit_exceeded	8	Cookie Security - encrypt limit exceeded
	http_protocol_body_without_content_type_violation	8	Body without content type check violation
	xml_check_max_entity_exp_violation	8	XML Limit Entity Expansions violation
	csp_header_success	8	CSP header found
	cookie_security_unrecognized_cookie_violation	8	Cookie Security - unrecognized cookie violation
	dlp_pcre_masked	8	PCRE Mask violation
	xml_check_format_success	8	XML Check passed
	xml_check_namespace_uri_len_violation	8	XML Limit Namespace URI Length violation
	http_protocol_malformed_parameter_violation	8	Malformed parameter check violation
	request_check_command_injection_cookies_violation	8	Command Injection Check cookies violation
	json_check_format_violation	8	JSON Check violation
	form_set_no_cache_success	8	Form Set No Cache check passed
	xml_check_xss_violation	8	XML XSS Check violation
	brute_force_challenge_captcha_sent	8	Captcha challenge sent
	dlp_ssn_success	8	Social Security Number Mask check passed
	brute_force_lockout_limit_success	8	Lockout limit check passed
	cookie_security_cookie_policy_violation	8	Cookie Security - cookie policy violation
	xml_check_max_entity_decl_violation	8	XML Limit Entity Decl violation
	http_protocol_missing_host_header_success	8	Missing host header check passed
	http_protocol_malformed_request_violation	8	Malformed request check violation
	http_limit_max_request_length_violation	8	Limit check - MAX request length violation
	xml_check_max_elem_child_violation	8	XML Limit Element Child violation
	http_protocol_malformed_header_violation	8	Malformed header check passed
	request_check_session_check_success	8	Session Check passed
	request_check_bot_violation	8	Bot check violation
	request_check_sqlia_url_sanitize	8	SQLIA Check URL Sanitized
	http_limit_max_header_length_violation	8	MAX header length check violation
	max_url_length_violation	8	Limit check - MAX URL length violation
	http_protocol_allowed_headers_success	8	HTTP headers check passed
	evasion_check_dir_traversal_violation	8	Dir traversal check violation
	form_request_non_post_violation	8	Form Method being Non Post in Request violation
	request_check_xss_post_body_violation	8	XSS Check Post violation
	cookie_security_sign_success	8	Cookie Security - signing successful
	evasion_check_remove_spaces_violation	8	Remove Spaces check violation
	http_limit_max_data_parse_success	8	Buffer Overflow - Max Data Parse check passed
	evasion_check_dir_traversal_success	8	Dir traversal check passed
	form_consistency_violation	8	Form Consistency violation
	http_protocol_malformed_request_success	8	Malformed request check passed

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Table 2.78 – continued from previous page

	Counter	Size	Description
	request_check_xss_url_sanitize	8	XSS Check URL Sanitized
	http_limit_max_cookie_name_length_success	8	MAX cookie name length check passed
	xml_check_max_elem_violation	8	XML Limit Element violation
	request_check_command_injection_headers_success	8	Command Injection Check headers passed
	brute_force_challenge_cookie_success	8	Cookie Challenge check passed
	cookie_security_allowed_session_cookies	8	Cookie Security - allowed session cookies
	xml_check_max_elem_depth_violation	8	XML Limit Element Depth violation
	http_protocol_malformed_request_line_success	8	Malformed request line check passed
	form_set_no_cache	8	Form Set No Cache
	request_check_sqlia_post_body_violation	8	SQLIA Check Post violation
	form_check_violation	8	Post Form Check violation
	action_response_deny_200	8	Response Deny with 200
	evasion_check_max_levels_violation	8	Max Levels check violation
	cookie_security_encrypt_violation	8	Cookie Security - encrypt violation
	brute_force_lockout_limit_violation	8	Lockout limit violation
	http_protocol_allowed_method_check_violation	8	HTTP Method Check violation
	http_protocol_malformed_content_length_success	8	Malformed content-length check passed
	http_protocol_missing_host_header_violation	8	Missing host header check violation
	dlp_ccn_jcb_masked	8	JCB Credit Card Number Masked
	http_limit_max_header_length_success	8	MAX header length check passed
	request_check_redirect_wlist_success	8	Redirect Whitelist passed
	xml_check_max_attr_name_len_success	8	XML Limit Name Length check passed
	http_protocol_head_with_content_violation	8	HEAD with content check violation
	learning_list_full	8	Learning list is full
	request_check_xss_cookie_violation	8	XSS Check Cookie violation
	evasion_check_multiple_encoding_levels_violation	8	Multiple Encoding Levels check violation
	http_protocol_body_without_content_type_success	8	Body without content type check passed
	http_protocol_allowed_versions_success	8	HTTP versions check passed
	xml_check_max_entity_decl_success	8	XML Limit Entity Decl check passed
	cookie_security_disallowed_session_set_cookies	8	Cookie Security - disallowed session Set-Cookies
	http_protocol_malformed_header_success	8	Malformed header check passed
	xml_check_sqlia_success	8	XML Sqlia Check passed
	form_consistency_success	8	Form Consistency passed
	xml_check_max_entity_depth_success	8	XML Limit Entity Depth check passed
	action_log	8	Log request violation
	request_check_xss_url_violation	8	XSS Check URL violation
	http_protocol_invalid_url_encoding_success	8	Invalid url encoding check passed
	request_check_referer_violation	8	Referer Check violation

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Table 2.78 – continued from previous page

	Counter	Size	Description
	form_request_non_post_success	8	Form Method being Non Post in Request passed
	json_check_max_object_member_count_success	8	JSON Limit Object Number Count check passed
	dlp_ccn_visa_masked	8	Visa Credit Card Number Masked
	http_limit_max_header_name_length_success	8	MAX header name length check passed
	json_check_max_array_value_count_success	8	JSON Limit Array Value Count check passed
	xml_check_max_entity_exp_depth_success	8	XML Limit Entities Depth check passed
	http_limit_max_headers_length_success	8	MAX headers length check passed
	dlp_ccn_diners_masked	8	Diners Club Credit Card Number Masked
	policy_limit_exceeded	8	Policy limit exceeded
	dlp_ccn_success	8	Credit Card Number check passed
	http_protocol_bad_multipart_request_success	8	Bad multi-part request check passed
	soap_check_violation	8	Soap Check violation
	evasion_check_decode_unicode_chars_success	8	Decode Unicode Chars check passed
	http_limit_max_params_violation	8	Limit check - MAX parameters violation
	cookie_security_sign_limit_exceeded	8	Cookie Security - signing limit exceeded
	request_check_bot_success	8	Bot check passed
	cookie_security_encrypt_skip_rcache	8	Cookie Security - encrypt skipped - RAM cache
	brute_force_challenge_javascript_sent	8	JavaScript challenge sent
	http_limit_max_entities_violation	8	Max Entities violation
	evasion_check_apache_whitespace_success	8	Apache Whitespace check passed
	brute_force_challenge_limit_success	8	Lockout limit check passed
	http_protocol_allowed_versions_violation	8	HTTP versions check violation
	cookie_security_unrecognized_cookie_success	8	Cookie Security - request with unrecognized cookie
	action_deny_reset	8	Request Deny with Resets
	form_non_ssl_password_violation	8	Form Non SSL Password violation
	xml_check_max_elem_depth_success	8	XML Limit Element Depth check passed
	http_limit_max_headers_length_violation	8	MAX headers length check violation
	dlp_ccn_visa_violation	8	Visa Credit Card Number Detected
	req_denied	8	Requests Denied
	http_limit_max_params_success	8	Limit check - MAX parameters check passed
	req_allowed	8	Requests Allowed
	cookie_security_add_secure_success	8	Cookie Security - secure flag added successfully
	evasion_check_invalid_hex_encoding_violation	8	Invalid Hex Encoding check violation
	json_check_max_object_member_count_violation	8	JSON Limit Object Number Count violation
	brute_force_challenge_javascript_success	8	JavaScript challenge check passed
	request_check_command_injection_cookies_success	8	Command Injection Check cookies passed
	dlp_ccn_jcb_violation	8	JCB Credit Card Number Detected
	form_non_ssl_password_success	8	Form Non SSL Password check passed
	form_password_autocomplete_success	8	Form Password Autocomplete check passed
	action_allow	8	Request Action allowed
	http_limit_max_cookies_length_success	8	MAX cookies length check passed

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Table 2.78 – continued from previous page

	Counter	Size	Description
	action_deny_redirect	8	Request Deny with Redirect
	http_limit_max_param_name_length_success	8	Limit check - MAX parameter name length check passed
	dlp_ccn_diners_violation	8	Diners Club Credit Card Number Detected
	http_protocol_malformed_parameter_success	8	Malformed parameter check passed
	http_protocol_invalid_url_encoding_violation	8	Invalid url encoding check violation
	xml_check_max_attr_value_len_success	8	XML Limit Value Length check passed
	request_check_url_whitelist_violation	8	URI White List violation
	request_check_xss_cookie_success	8	XSS Check Cookie passed
	request_check_command_injection_form_body_success	8	Command Injection Check form body arguments passed
	http_protocol_success	8	HTTP Check passed
	http_protocol_bad_multipart_request_violation	8	Bad multi-part request check violation
	xml_check_max_namespace_success	8	XML Limit Namespace check passed
	action_response_drop	8	Number of Dropped Responses
	dlp_ccn_mastercard_masked	8	MasterCard Credit Card Number Masked
	form_check_success	8	Post Form Check passed
	action_deny_custom_response	8	Request Deny with custom response
	xml_check_sqlia_violation	8	XML Sqlia Check violation
	cookie_security_sign_violation	8	Cookie Security - signing violation
	evasion_check_decode_escaped_chars_violation	8	Decode Escaped Chars check violation
	too_many_sessions	8	Too many sessions consumed
	cookie_security_add_secure_violation	8	Cookie Security - secure flag violation
	json_check_max_array_value_count_violation	8	JSON Limit Array Value Count violation
	evasion_check_max_levels_success	8	Max Levels check passed
	http_limit_max_query_length_violation	8	Limit check - MAX query length violation
	xml_check_max_elem_name_len_violation	8	XML Limit Element Name Length violation
	http_protocol_multiple_content_length_success	8	Multiple content-length headers check passed
	regex_violation	8	Regular expression failure
	xml_check_max_attr_violation	8	XML Limit Attribute violation
	http_limit_max_header_value_length_violation	8	MAX header value length check violation
	http_limit_max_request_line_length_success	8	Limit check - MAX request line length check passed
	cookie_security_disallowed_session_cookies	8	Cookie Security - disallowed session cookies
	xml_content_check_schema_success	8	XML Schema passed
	evasion_check_high_ascii_bytes_success	8	High Ascii Bytes check passed
	http_protocol_head_with_content_success	8	HEAD with content check passed
	http_limit_max_content_length_violation	8	MAX content-length check violation
	http_protocol_missing_header_value_violation	8	Missing header value check violation
	http_limit_max_cookie_header_length_violation	8	MAX cookie header length violation
	xml_check_max_cdata_len_success	8	XML Limit CData Length check passed
	response_cloaking_filter_headers_success	8	Response Headers Filter check passed

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Table 2.78 – continued from previous page

	Counter	Size	Description
	cookie_security_missing_cookie_success	8	Cookie Security - request with missing cookie
	http_protocol_post_without_content_violation	8	POST without content check violation
	cookie_security_persistent_cookies_signed	8	Cookie Security - signed persistent cookies
	soap_check_success	8	Soap Check passed
	request_check_redirect_wlist_violation	8	Redirect Whitelist violation
	http_limit_max_request_line_length_violation	8	Limit check - MAX request line length violation
	action_response_log	8	Log response violation
	xml_check_max_elem_child_success	8	XML Limit Element Child check passed
	http_limit_max_post_length_success	8	MAX POST length check passed
	request_check_url_blacklist_violation	8	URI Black List violation
	dlp_ccn_discover_violation	8	Discover Credit Card Number Detected
	http_limit_max_headers_violation	8	Max Headers violation
	xml_check_max_elem_name_len_success	8	XML Limit Element Name Length check passed
	request_check_sqlia_post_body_sanitize	8	SQLIA Check Post Sanitized
	form_csrf_tag_violation	8	Form CSRF tag violation
	form_non_masked_password_success	8	Form Non Masked Password check passed
	json_check_max_string_violation	8	JSON Limit String violation
	http_protocol_non_ssl_cookie_prefix_violation	8	Cookie Name Prefix check violation
	http_limit_max_entities_success	8	Max Entities check passed
	action_drop	8	Number of Dropped Requests
	http_protocol_missing_header_value_success	8	Missing header value check violation
	action_response_allow	8	Response Action allowed
	xml_check_format_violation	8	XML Check violation
	request_check_xss_post_body_success	8	XSS Check Post passed
	xml_check_max_attr_success	8	XML Limit Attribute check passed
	dlp_ccn_amex_masked	8	Amex Credit Card Number Masked
	form_password_autocomplete_violation	8	Form Password Autocomplete violation
	response_cloaking_hide_status_code_violation	8	Response Hide Code violation
	request_check_sqlia_url_success	8	SQLIA Check URL passed
	http_protocol_allowed_headers_violation	8	HTTP headers check violation
	brute_force_violation	8	Brute-Force checks violation
	brute_force_challenge_captcha_success	8	Captcha challenge check passed
	brute_force_response_headers_triggered	8	Brute Force Response Headers Triggered
	http_limit_max_param_name_length_violation	8	Limit check - MAX parameter name length violation
	cookie_security_add_samesite_success	8	Cookie Security - samesite attribute added successfully
	evasion_check_remove_comments_violation	8	Remove Comments check violation
	request_check_command_injection_form_body_violation	8	Command Injection Check form body arguments violation
	evasion_check_decode_entities_violation	8	Decode Entities check violation

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Table 2.78 – continued from previous page

	Counter	Size	Description
	request_check_session_check_violation	8	Session Check violation
	form_non_ssl_success	8	Form Non SSL check passed
	cookie_security_session_cookies_signed	8	Cookie Security - signed session cookies
	xml_check_max_entity_depth_violation	8	XML Limit Entity Depth violation
	xml_content_check_wsdl_violation	8	WSDL violation
	json_check_max_depth_success	8	JSON Limit Depth check passed
	http_protocol_get_with_content_violation	8	GET with content check violation
	cookie_security_allowed_session_set_cookies	8	Cookie Security - allowed session Set-Cookies
	xml_check_namespace_uri_len_success	8	XML Limit Namespace URI Length check passed
	evasion_check_multiple_slashes_success	8	Multiple Slashes check passed
	http_limit_max_params_length_violation	8	Limit check - MAX parameters total length violation
	http_protocol_violation	8	HTTP Check violation
	csp_header_inserted	8	CSP header Inserted
	form_non_ssl_violation	8	Form Non SSL violation
	http_protocol_host_header_with_ip_success	8	Host header with IP check passed
	sessions_freed	8	Sessions freed
	out_of_sessions	8	Out of sessions
	dlp_ssn_violation	8	Social Security Number Mask violation
	form_response_non_post_success	8	Response form method was POST
	sessions_alloc	8	Sessions allocated
	request_check_command_injection_headers_violation	8	Command Injection Check headers violation
	form_response_non_post_sanitize	8	Changed response form method to POST
	action_response_deny_redirect	8	Response Deny with Redirect
	request_check_referer_success	8	Referer Check passed
	cookie_security_missing_cookie_violation	8	Cookie Security - missing cookie violation
	http_protocol_malformed_content_length_violation	8	Malformed content-length check violation
	cookie_security_persistent_cookies_encrypted	8	Cookie Security - encrypted persistent cookies
	evasion_check_decode_unicode_chars_violation	8	Decode Unicode Chars check violation
	evasion_check_invalid_hex_encoding_success	8	Invalid Hex Encoding check passed
	evasion_check_apache_whitespace_violation	8	Apache Whitespace check violation
	cookie_security_signature_check_success	8	Cookie Security - signature check successful
	brute_force_challenge_limit_violation	8	Lockout limit violation
	total_req	8	Total Requests
	http_limit_max_cookie_value_length_success	8	MAX cookie value length check passed
	http_protocol_multiple_content_length_violation	8	Multiple content-length headers check violation
	action_deny_403	8	Request Deny with 403
	action_response_deny_reset	8	Deny with Resets

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Table 2.78 – continued from previous page

	Counter	Size	Description
	form_csrf_tag_success	8	Form CSRF tag passed
	http_protocol_post_with_0_content_success	8	POST with 0 content check passed
	cookie_security_encrypt_success	8	Cookie Security - encrypt successful
	request_check_xss_cookie_sanitize	8	XSS Check Cookie Sanitized
	cookie_security_cookie_policy_success	8	Cookie Security - cookie policy passed
	xml_content_check_wsdl_success	8	WSDL passed
	cookie_security_disallowed_persistent_set_cookie	8	Cookie Security - disallowed persistent Set-Cookies
	action_response_deny_403	8	Response Deny with 403
	cookie_security_decrypt_violation	8	Cookie Security - decrypt violation
	http_protocol_get_with_content_success	8	GET with content check passed
	request_check_redirect_wlist_learn	8	Redirect Whitelist Learn
	http_limit_max_header_value_length_success	8	MAX header value length check passed
	evasion_check_remove_comments_success	8	Remove Comments check passed
	brute_force_challenge_javascript_violation	8	JavaScript challenge violation
	evasion_check_multiple_encoding_levels_success	8	Multiple Encoding Levels check passed
	cookie_security_allowed_persistent_cookie	8	Cookie Security - allowed persistent cookies
	http_protocol_allowed_method_check_success	8	HTTP Method Check passed
	request_check_url_list_violation	8	URL Check violation
	cookie_security_add_samesite_violation	8	Cookie Security - samesite attribute violation
	http_limit_max_query_length_success	8	Limit check - MAX query length check passed
	cookie_security_add_http_only_success	8	Cookie Security - http-only flag added successfully
	dlp_ccn_amex_violation	8	Amex Credit Card Number Detected
	json_check_max_string_success	8	JSON Limit String check passed
	http_limit_max_cookie_value_length_violation	8	MAX cookie value length violation
	brute_force_challenge_captcha_violation	8	Captcha challenge violation
	dlp_pcre_success	8	PCRE Mask check passed
	xml_check_max_entity_exp_success	8	XML Limit Entity Expansions check passed
	cookie_security_session_cookies_encrypted	8	Cookie Security - encrypted session cookies
	http_limit_max_cookies_violation	8	Max Cookies violation

2.118.3 waf policy

Manage WAF Policy files

policy Specification

Type	*Configuration Resource*
Element Name	policy
Element URI	/axapi/v3/waf/policy
Element Attributes	policy_attributes
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/policy

policy attributes

```
POST /axapi/v3/waf/policy
Payload:
{
    "policy": {
        "max-filesize": 16
    }
}
```

Get Object

GET

/axapi/v3/waf/policy

policy attributes

```
GET /axapi/v3/waf/policy
Reponse:
{
    "policy": {
        "max-filesize": 16,
        "uuid": "248dc9ea-6130-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/waf/policy"
    }
}
```

Modify Object

POST

/axapi/v3/waf/policy

policy attributes

Replace Object

PUT

/axapi/v3/waf/policy

policy attributes

```
PUT /axapi/v3/waf/policy
Payload:
{
    "policy": {
        "max-filesize": 17
    }
}
```

Delete Object

DELETE

/axapi/v3/waf/policy

policy attributes

```
DELETE /axapi/v3/waf/policy
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

policy attributes

max-filesize

Description Set maximum WAF policy file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-10240

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.4 waf template

Manage WAF template configuration

template Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/waf/template
Element Name	template
Element URI	/axapi/v3/waf/template/{name}
Element Attributes	template_attributes
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template

template attributes

```
POST /axapi/v3/waf/template/
Payload:
{
    "template": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/waf/template

template attributes

Get Object

GET

/axapi/v3/waf/template/{name}

template attributes

```
GET /axapi/v3/waf/template/a
Reponse:
{
    "template": {
        "name": "a",
        "csp": 0,
        "http-resp-200": 0,
        "deploy-mode": "active",
        "log-succ-reqs": 0,
        "parent": 0,
```

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```
        "soap-format-check": 0,
        "uuid": "22ea54e0-612c-11d9-a3e6-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/waf/template/a"
    }
}
```

Get List

GET

/axapi/v3/waf/template

template-list

Modify Object

POST

/axapi/v3/waf/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}

template attributes

```
PUT /axapi/v3/waf/template/a
Payload:
{
    "template": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/waf/template

template-list

Delete Object

DELETE

/axapi/v3/waf/template/{name}

template attributes

```
DELETE /axapi/v3/waf/template/a
Reponse:
{
    "response": {
        "status": "OK"
```

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```
    }
}
```

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

brute-force-protection

Description: brute-force-protection is a **JSON Block**. Please see below for *brute-force-protection*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/brute-force-protection*

cookie-security

Description: cookie-security is a **JSON Block**. Please see below for *cookie-security*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/cookie-security*

csp

Description Insert HTTP header Content-Security-Policy if necessary

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

csp-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

csp-value

Description CSP header value, e.g., "script-src 'none'"

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

data-leak-prevention

Description: data-leak-prevention is a **JSON Block**. Please see below for *data-leak-prevention*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/data-leak-prevention*

deploy-mode

Description 'active': Deploy WAF in active (blocking) mode; 'passive': Deploy WAF in passive (log-only) mode; 'learning': Deploy WAF in learning mode;

Type: string

Supported Values: active, passive, learning

Default: active

evasion-check

Description: evasion-check is a **JSON Block**. Please see below for *evasion-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/evasion-check*

form-protection

Description: form-protection is a **JSON Block**. Please see below for *form-protection*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/form-protection*

http-limit-check

Description: http-limit-check is a **JSON Block**. Please see below for *http-limit-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/http-limit-check*

http-protocol-check

Description: http-protocol-check is a **JSON Block**. Please see below for *http-protocol-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/http-protocol-check*

http-redirect

Description Send HTTP redirect response (302 Found) to specifed URL (URL to redirect to when denying request)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: http-redirecthttp-resp-200, reset-conn and http-resp-403 are mutually exclusive

http-resp-200

Description Send HTTP response with status code 200 OK

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: http-resp-200http-redirect, reset-conn and http-resp-403 are mutually exclusive

http-resp-403

Description Send HTTP response with status code 403 Forbidden (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: http-resp-403http-redirect, http-resp-200 and reset-conn are mutually exclusive

json-check

Description: json-check is a **JSON Block**. Please see below for *json-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/json-check*

log-succ-reqs

Description Log successful waf requests

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/slb/template/logging*

name

Description WAF Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

parent

Description inherit from parent template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parent-template-waf

Description WAF template (WAF Config name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/waf/template*

request-check

Description: request-check is a **JSON Block**. Please see below for *request-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/request-check*

reset-conn

Description Reset the client connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: reset-connhttp-redirect, http-resp-200 and http-resp-403 are mutually exclusive

resp-url-200

Description Response content to send client when denying request

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

resp-url-403

Description Response content to send client when denying request

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

response-cloaking

Description: response-cloaking is a **JSON Block**. Please see below for *response-cloaking*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/response-cloaking*

soap-format-check

Description Check XML document for SOAP format compliance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

violation-log-mask

Description: violation-log-mask is a **JSON Block**. Please see below for *violation-log-mask*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/violation-log-mask*

wsdl-file

Description Specify name of WSDL file for verifying XML body contents

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: wsdl-file and wsdl-resp-val-file are mutually exclusive

wsdl-resp-val-file

Description Specify name of WSDL file for verifying XML body contents

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: wsdl-resp-val-file and wsdl-file are mutually exclusive

xml-check

Description: xml-check is a **JSON Block**. Please see below for *xml-check*

Type: Object

Refernce Object: */axapi/v3/waf/template/{name}/xml-check*

xml-schema-file

Description Specify name of XML-Schema file for verifying XML body contents

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: xml-schema-file and xml-schema-resp-val-file are mutually exclusive

xml-schema-resp-val-file

Description Specify name of XML-Schema file for verifying XML body contents

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: xml-schema-resp-val-file and xml-schema-file are mutually exclusive

violation-log-mask

Specification	
Type	*object*

query-param-name-equal-type

Description 'equals': Mask the query value if the query name equals to the string;

Type: string

Supported Values: equals

query-param-name-value

Description The list of Query parameter names

Type: string

Format: string-rlx

Maximum Length: 1031 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

data-leak-prevention

Specification	
Type	*object*

ccn-mask

Description Mask credit card numbers in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

mask

Description Character to mask the matched pattern (default: X)

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in response

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ssn-mask

Description Mask US Social Security numbers in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

brute-force-protection

Specification	
Type	*object*

brute-force-challenge-limit

Description Maximum brute-force events before sending challenge (default 2) (Maximum brute-force events before locking out client (default 2))

Type: number

Range: 0-65535

Default: 2

brute-force-global

Description Brute-force triggers apply globally instead of per-client (Apply brute-force triggers globally)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-lockout-limit

Description Maximum brute-force events before locking out client (default 5)

Type: number

Range: 0-65535

Default: 5

brute-force-lockout-period

Description Number of seconds client should be locked out (default 600)

Type: number

Range: 0-1800

Default: 600

brute-force-resp-codes

Description Trigger brute-force check on HTTP response code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-codes-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-resp-headers

Description Trigger brute-force check on HTTP response header names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-headers-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-resp-string

Description Trigger brute-force check on HTTP response reason phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-string-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-test-period

Description Number of seconds for brute-force event counting (default 60)

Type: number

Range: 0-600

Default: 60

challenge-action-cookie

Description Use Set-Cookie to determine if client allows cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

challenge-action-javascript

Description Add JavaScript to response to test if client allows JavaScript

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-disable-action

Description 'enable': Enable brute force protections; 'disable': Disable brute force protections (default);

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

request-check

Specification	
Type	*object*

bot-check

Description Check User-Agent for known bots

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bot-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

command-injection-check

Description Check to protect against command injection attacks

Type: string

Format: enum-list

command-injection-check-policy-file

Description Name of WAF policy command injection list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lifetime

Description Session lifetime in minutes (default 10)

Type: number

Range: 1-1440

Default: 10

redirect-whitelist

Description Check Redirect URL against list of previously learned redirects

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

referer-check

Description Check referer to protect against CSRF attacks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

referer-domain-list

Description List of referer domains allowed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: referer-domain-list and referer-domain-list-only are mutually exclusive

referer-domain-list-only

Description List of referer domains allowed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: referer-domain-list-only and referer-domain-list are mutually exclusive

referer-safe-url

Description Safe URL to redirect to if referer is missing

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

session-check

Description Enable session checking via session cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sqlia-check

Description 'reject': Reject requests with SQLIA patterns;

Type: string

Supported Values: reject

sqlia-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

url-blacklist

Description specify name of WAF policy list file to blacklist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-learned-list

Description Check URL against list of previously learned URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-whitelist

Description specify name of WAF policy list file to whitelist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

waf-blacklist-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

waf-whitelist-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

xss-check

Description 'reject': Reject requests with bad cookies;

Type: string

Supported Values: reject

xss-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

cookie-security

Specification	
Type	*object*

cookie-policy

Type: List

set-cookie-policy

Type: List

tamper-protection-grace-period

Description Allow unrecognized cookies for a period of time after cookie encryption being applied (default 120 minutes)

Type: number

Range: 0-43200

Default: 120

tamper-protection-http-only

Description Add HttpOnly flag to cookies not in set-cookie-policy list (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

tamper-protection-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

Default: none

tamper-protection-secret

Description Cookie encryption secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

tamper-protection-secure

Description Add Secure flag to cookies not in set-cookie-policy list (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

tamper-protection-session-cookie-only

Description Only encrypt session cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cookie-security_set-cookie-policy

Specification	
Type	*list*
Block object keys	

set-cookie-policy-allow

Description Allow the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-cookie-policy-http-only

Description Add HttpOnly flag to cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-cookie-policy-name

Description Name of cookie

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

set-cookie-policy-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

set-cookie-policy-secret

Description Cookie encryption secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

set-cookie-policy-secret-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

set-cookie-policy-secure

Description Add Secure flag to cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-security_cookie-policy

Specification	
Type	*list*
Block object keys	

cookie-policy-allow

Description Allow the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-policy-disallow

Description Block the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-policy-name

Description Name of cookie

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-cloaking

Specification	
Type	*object*

filter-headers

Description Removes web server's identifying headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hide-status-codes

Description Hides response status codes that are not allowed (default 4xx, 5xx)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hide-status-codes-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

json-check

Specification	
Type	*object*

format-check

Description Check HTTP body for JSON format compliance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-array-values

Description Maximum number of values in an array in a JSON request body (default 256) (Maximum number of values in a JSON array (default 256))

Type: number

Range: 0-4096

Default: 256

max-depth

Description Maximum recursion depth in a value in a JSON requesnt body (default 16) (Maximum recursion depth in a JSON value (default 16))

Type: number

Range: 0-4096

Default: 16

max-object-members

Description Maximum number of members in an object in a JSON request body (default 256) (Maximum number of members in a JSON object (default 256))

Type: number

Range: 0-4096

Default: 256

max-string-length

Description Maximum length of a string in a JSON request body (default 64) (Maximum length of a JSON string (default 64))

Type: number

Range: 0-4096

Default: 64

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-protocol-check

Specification	
Type	*object*

allowed-headers

Description Enable allowed-headers check (default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-headers-list

Description Allowed HTTP headers. Default "Host Referer User-Agent Accept Accept-Encoding ..." (see docs for full list) (Allowed HTTP headers (default "Host Referer User-Agent Accept Accept-Encoding ..." (see docs for full list)))

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: Host Referer User-Agent Accept Accept-Encoding Accept-Language Accept-Language Authorization Cache-Control Content-Length

allowed-methods

Description Enable allowed-methods check (default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-methods-list

Description List of allowed HTTP methods. Default is "GET POST". (List of HTTP methods allowed (default "GET POST"))

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: GET POST

allowed-versions

Description Enable allowed-versions check (default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-versions-list

Description List of allowed HTTP versions (default "1.0 1.1 2")

Type: string

Format: enum-list

Default: 1.0,1.1,2

bad-multipart-request

Description Check for bad multipart/form-data request body

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

body-without-content-type

Description Check for Body request without Content-Type header in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-with-content

Description Check for GET request with Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

head-with-content

Description Check for HEAD request with Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host-header-with-ip

Description Check for Host header with IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-url-encoding

Description Check for invalid URL encoding in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-content-length

Description Check for malformed content-length in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-header

Description Check for malformed HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-parameter

Description Check for malformed HTTP query/POST parameter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-request

Description Check for malformed HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-request-line

Description Check for malformed HTTP request line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-header-value

Description Check for missing header value in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-host-header

Description Check for missing Host header in HTTP/1.1 request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-content-length

Description Check for multiple Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-cookie-prefix

Description Check for Bad __Secure- or __Host- Cookie Name prefixes in non-ssl request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-with-0-content

Description Check for POST request with Content-Length 0

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-without-content

Description Check for POST request without Content-Length/Chunked Encoding headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-without-content-type

Description Check for POST request without Content-Type header in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xml-check

Specification	
Type	*object*

format

Description Check HTTP body for XML format compliance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-attr

Description Maximum number of attributes of an XML element (default 256)

Type: number

Range: 0-256

Default: 256

max-attr-name-len

Description Maximum length of an attribute name (default 128)

Type: number

Range: 0-2048

Default: 128

max-attr-value-len

Description Maximum length of an attribute text value (default 128)

Type: number

Range: 0-4096

Default: 128

max-cdata-len

Description Maximum length of an CDATA section of an element (default 65535)

Type: number

Range: 0-65535

Default: 65535

max-elem

Description Maximum number of XML elements (default 1024)

Type: number

Range: 0-8192

Default: 1024

max-elem-child

Description Maximum number of children of an XML element (default 1024)

Type: number

Range: 0-4096

Default: 1024

max-elem-depth

Description Maximum recursion level for element definition (default 256)

Type: number

Range: 0-4096

Default: 256

max-elem-name-len

Description Maximum length for an element name (default 128)

Type: number

Range: 0-65535

Default: 128

max-entity-decl

Description Maximum number of entity declarations (default 1024)

Type: number

Range: 0-1024

Default: 1024

max-entity-depth

Description Maximum depth of entities (default 32)

Type: number

Range: 0-32

Default: 32

max-namespace

Description Maximum number of namespace declarations (default 16)

Type: number

Range: 0-256

Default: 16

max-namespace-uri-len

Description Maximum length of a namespace URI (default 256)

Type: number

Range: 0-1024

Default: 256

sqlia

Description Check XML data against SQLIA policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xss

Description Check XML data against XSS policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-limit-check

Specification	
Type	*object*

max-content-length

Description Max length of content (Maximum length of content allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-content-length-value

Description Max length of content (default 4096) (Maximum length of content allowed (default 4096))

Type: number

Range: 0-2147483647

Default: 4096

max-cookie-header-length

Description Max Cookie header length allowed in request (Maximum length of cookie header allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-header-length-value

Description Max Cookie header length allowed in request (default 4096) (Maximum length of cookie header allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookie-name-length

Description Max Cookie name length allowed in request (Maximum length of cookie name allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-name-length-value

Description Max Cookie name length allowed in request (default 64) (Maximum length of cookie name allowed (default 64))

Type: number

Range: 0-65535

Default: 64

max-cookie-value-length

Description Max Cookie value length allowed in request (Maximum length of cookie value allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-value-length-value

Description Max Cookie value length allowed in request (default 4096) (Maximum length of cookie value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookies

Description Max Cookies allowed in request (Maximum number of cookie allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookies-length

Description Total Cookies length allowed in request (Maximum length of all cookies in request)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookies-length-value

Description Total Cookies length allowed in request (default 4096) (Maximum length of all cookies in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookies-value

Description Max Cookies allowed in request (default 20) (Maximum number of cookie allowed (default 20))

Type: number

Range: 0-1023

Default: 20

max-entities

Description Maximum number of MIME entities allowed in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-entities-value

Description Maximum number of MIME entities allowed in request (default 10)

Type: number

Range: 0-512

Default: 10

max-header-length

Description Max header length allowed in request (Maximum length of header allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-length-value

Description Max header length allowed in request (default 4096) (Maximum length of header allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-header-name-length

Description Max header name length allowed in request (Maximum length of header name allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-name-length-value

Description Max header name length allowed in request (default 64) (Maximum length of header name allowed (default 64))

Type: number

Range: 0-65535

Default: 64

max-header-value-length

Description Max header value length allowed in request (Maximum length of header value allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-value-length-value

Description Max header value length allowed in request (default 4096) (Maximum length of header value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-headers

Description Total number of headers allowed in request (Maximum number of headers in request)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-headers-length

Description Total headers length allowed in request (Maximum length of all headers in request)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-headers-length-value

Description Total headers length allowed in request (default 4096) (Maximum length of all headers in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-headers-value

Description Total number of headers allowed in request (default 64) (Maximum number of headers in request (default 64))

Type: number

Range: 0-255

Default: 64

max-param-name-length

Description Max query/POST parameter name length allowed in request (Maximum length of query/POST parameter names allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-param-name-length-value

Description Max query/POST parameter name length allowed in request (default 256) (Maximum length of query/POST parameter names allowed (default 256))

Type: number

Range: 0-65535

Default: 256

max-param-value-length

Description Max query/POST parameter value length allowed in request (Maximum length of query/POST parameter value allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-param-value-length-value

Description Max query/POST parameter value length allowed in request (default 4096) (Maximum length of query/POST parameter value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-params

Description Total query/POST parameters allowed in request (Maximum number of query/POST parameters in request)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-params-length

Description Total query/POST parameters length allowed in request (Maximum length of all params in request)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-params-length-value

Description Total query/POST parameters length allowed in request (default 4096) (Maximum length of all params in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-params-value

Description Total query/POST parameters allowed in request (default 64) (Maximum number of query/POST parameters in request (default 64))

Type: number

Range: 0-1024

Default: 64

max-post-length

Description Maximum content length allowed in POST request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-post-length-value

Description Maximum content length allowed in POST request (default 20480)

Type: number

Range: 0-2147483647

Default: 20480

max-query-length

Description Max length of query string (Maximum length of query string allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-query-length-value

Description Max length of query string (default 4096) (Maximum length of query string allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-request-length

Description Max length of request (Maximum length of request allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-request-length-value

Description Max length of request (default 20480) (Maximum length of request allowed (default 20480))

Type: number

Range: 0-2147483647

Default: 20480

max-request-line-length

Description Max length of request line (Maximum length of request line)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-request-line-length-value

Description Max length of request line (default 4096) (Maximum length of request line (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-url-length

Description Max length of url (Maximum length of url allowed)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-length-value

Description Max length of url (default 4096) (Maximum length of url allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

evasion-check

Specification	
Type	*object*

apache-whitespace

Description Check for whitespace characters in URL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

decode-entities

Description Decode entities in internal url (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-escaped-chars

Description Decode escaped characters such as r n " xXX u00YY in internal url (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-plus-chars

Description Decode '+' as space in URL (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-unicode-chars

Description Check for evasion attempt using %u encoding of Unicode chars to bypass (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

dir-traversal

Description Check for directory traversal attempt (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

high-ascii-bytes

Description Check for evasion attempt using ASCII bytes with values

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

invalid-hex-encoding

Description Check for evasion attempt using invalid hex characters (not in 0-9,a-f)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-levels

Description Max levels of encoding allowed in request (default 2)

Type: number

Range: 0-64

Default: 2

multiple-slashes

Description Check for evasion attempt using multiple slashes/backslashes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-comments

Description Remove comments from internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-spaces

Description Remove spaces from internal url (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

form-protection

Specification	
Type	*object*

csrf-check

Description Tag the form to protect against Cross-site Request Forgery

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

field-consistency-check

Description Form input consistency check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-caching

Description Disable caching for response with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-non-ssl

Description Check whether SSL is used for request with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-request-non-post

Description Check whether POST is used for request with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-response-non-post

Description Check whether form method POST is used for response with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-response-non-post-sanitize

Description Change form method GET to POST (Use with caution: make sure server application still work)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-autocomplete

Description Check to protect against server-generated form which contain password fields that allow autocomplete

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-non-masked

Description Check forms that have a password field with a textual type, resulting in this field not being masked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-non-ssl

Description Check forms that has a password field if the form is not sent over an SSL connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	response_cloaking_hide_status_code_success	8	Response Hide Code check passed
	http_limit_max_header_name_length_violation	8	MAX header name length check violation
	dlp_ccn_mastercard_violation	8	MasterCard Credit Card Number Detected
	request_check_url_blacklist_success	8	URI Black List passed
	http_limit_max_data_parse_violation	8	Buffer Overflow - Max Data Parse violation
	brute_force_challenge_cookie_violation	8	Cookie challenge violation
	evasion_check_remove_spaces_success	8	Remove Spaces check passed
	cookie_security_persistent_cookies	8	Cookie Security - persistent cookies
	form_non_masked_password_violation	8	Form Non Masked Password violation
	http_limit_max_cookies_length_violation	8	MAX cookies length violation
	request_check_command_injection_uri_query_success	8	Command Injection Check url query arguments passed
	form_response_non_post_violation	8	Response form method was not POST
	cookie_security_disallowed_persistent_set_cookie	8	Cookie Security - disallowed persistent Set-Cookies
	request_check_session_check_none	8	Session Created
	request_check_referer_redirect	8	Referer Check Redirect
	xml_check_max_cdata_len_violation	8	XML Limit CData Length violation
	evasion_check_high_ascii_bytes_violation	8	High Ascii Bytes check violation
	http_limit_max_param_value_length_violation	8	Limit check - MAX parameter value length violation
	request_check_url_list_learn	8	URL Check Learn
	request_check_xss_post_body_sanitize	8	XSS Check Post Sanitized
	form_check_sanitize	8	Post Form Check Sanitized

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Table 2.79 – continued from previous page

	Counter	Size	Description
	brute_force_challenge_cookie_sent	8	Cookie Challenge Sent
	http_limit_max_post_length_violation	8	MAX POST length violation
	cookie_security_signature_check_violation	8	Cookie Security - signature check violation
	http_protocol_host_header_with_ip_violation	8	Host header with IP check violation
	json_check_max_depth_violation	8	JSON Limit Depth violation
	evasion_check_decode_entities_success	8	Decode Entities check passed
	xml_check_max_namespace_violation	8	XML Limit Namespace violation
	brute_force_response_string_triggered	8	Brute Force Response string Triggered
	action_learn	8	Request Learning Updates
	request_check_url_list_success	8	URL Check passed
	http_protocol_malformed_request_line_violation	8	Malformed request line check violation
	http_limit_max_params_length_success	8	Limit check - MAX parameters total length check passed
	resp_denied	8	Responses Denied
	request_check_sqlia_post_body_success	8	SQLIA Check Post passed
	cookie_security_decrypt_success	8	Cookie Security - decrypt successful
	http_limit_max_param_value_length_success	8	Limit check - MAX parameter value length check passed
	xml_check_max_attr_name_len_violation	8	XML Limit Name Length violation
	cookie_security_session_cookies	8	Cookie Security - session cookies
	request_check_sqlia_url_violation	8	SQLIA Check URL violation
	form_tag_inserted	8	Form A10 Tag Inserted
	max_url_length_success	8	Limit check - MAX URL length check passed
	brute_force_response_codes_triggered	8	Response Codes Triggered
	http_limit_max_cookies_success	8	Max Cookies check passed
	http_limit_max_content_length_success	8	MAX content-length check passed
	cookie_security_sign_skip_rcache	8	Cookie Security - signing skipped - RAM Cache
	xml_check_max_attr_value_len_violation	8	XML Limit Value Length violation
	http_protocol_post_with_0_content_violation	8	POST with 0 content check violation
	cookie_security_disallowed_persistent_cookies	8	Cookie Security - disallowed persistent cookies
	xml_content_check_schema_violation	8	XML Schema violation
	evasion_check_multiple_slashes_violation	8	Multiple Slashes check violation
	http_limit_max_request_length_success	8	Limit check - MAX request length check passed
	response_cloaking_filter_headers_violation	8	Response Headers Filter violation
	request_check_command_injection_uri_query_violation	8	Command Injection Check url query arguments violation
	csp_header_violation	8	CSP header missing
	http_protocol_post_without_content_type_violation	8	POST without content type check violation
	http_limit_max_cookie_header_length_success	8	MAX cookie header length check passed
	http_protocol_post_without_content_success	8	POST without content check passed
	json_check_format_success	8	JSON Check passed
	xml_check_max_elem_success	8	XML Limit Element check passed
	xml_check_xss_success	8	XML XSS Check passed
	response_action_log	8	Log response violation

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Table 2.79 – continued from previous page

	Counter	Size	Description
	http_limit_max_headers_success	8	MAX headers count check passed
	request_check_url_whitelist_success	8	URI White List passed
	dlp_pcre_violation	8	PCRE Mask violation
	brute_force_success	8	Brute-Force checks passed
	cookie_security_decrypt_in_grace_period_violation	8	Cookie Decrypt violation but in grace period
	http_limit_max_cookie_name_length_violation	8	MAX cookie name length violation
	evasion_check_decode_escaped_chars_success	8	Decode Escaped Chars check passed
	dlp_ccn_discover_masked	8	Discover Credit Card Number Masked
	cookie_security_add_http_only_violation	8	Cookie Security - http-only flag violation
	request_check_xss_url_success	8	XSS Check URL passed
	xml_check_max_entity_exp_depth_violation	8	XML Limit Entities Depth violation
	http_protocol_post_without_content_type_success	8	POST without content type check passed
	action_deny_200	8	Request Deny with 200
	cookie_security_encrypt_limit_exceeded	8	Cookie Security - encrypt limit exceeded
	http_protocol_body_without_content_type_violation	8	Body without content type check violation
	xml_check_max_entity_exp_violation	8	XML Limit Entity Decl violation
	csp_header_success	8	CSP header found
	cookie_security_unrecognized_cookie_violation	8	Cookie Security - unrecognized cookie violation
	dlp_pcre_masked	8	PCRE Mask violation
	xml_check_format_success	8	XML Check passed
	xml_check_namespace_uri_len_violation	8	XML Limit Namespace URI Length violation
	http_protocol_malformed_parameter_violation	8	Malformed parameter check violation
	request_check_command_injection_cookies_violation	8	Command Injection Check cookies violation
	json_check_format_violation	8	JSON Check violation
	form_set_no_cache_success	8	Form Set No Cache check passed
	xml_check_xss_violation	8	XML XSS Check violation
	brute_force_challenge_captcha_sent	8	Captcha challenge sent
	dlp_ssn_success	8	Social Security Number Mask check passed
	brute_force_lockout_limit_success	8	Lockout limit check passed
	cookie_security_cookie_policy_violation	8	Cookie Security - cookie policy violation
	xml_check_max_entity_decl_violation	8	XML Limit Entity Decl violation
	http_protocol_missing_host_header_success	8	Missing host header check passed
	http_protocol_malformed_request_violation	8	Malformed request check violation
	http_limit_max_request_length_violation	8	Limit check - MAX request length violation
	xml_check_max_elem_child_violation	8	XML Limit Element Child violation
	http_protocol_malformed_header_violation	8	Malformed header check passed
	request_check_session_check_success	8	Session Check passed
	request_check_bot_violation	8	Bot check violation
	request_check_sqlia_url_sanitize	8	SQLIA Check URL Sanitized
	http_limit_max_header_length_violation	8	MAX header length check violation
	max_url_length_violation	8	Limit check - MAX URL length violation

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Table 2.79 – continued from previous page

	Counter	Size	Description
	http_protocol_allowed_headers_success	8	HTTP headers check passed
	evasion_check_dir_traversal_violation	8	Dir traversal check violation
	form_request_non_post_violation	8	Form Method being Non Post in Request violation
	request_check_xss_post_body_violation	8	XSS Check Post violation
	cookie_security_sign_success	8	Cookie Security - signing successful
	evasion_check_remove_spaces_violation	8	Remove Spaces check violation
	http_limit_max_data_parse_success	8	Buffer Overflow - Max Data Parse check passed
	evasion_check_dir_traversal_success	8	Dir traversal check passed
	form_consistency_violation	8	Form Consistency violation
	http_protocol_malformed_request_success	8	Malformed request check passed
	request_check_xss_url_sanitize	8	XSS Check URL Sanitized
	http_limit_max_cookie_name_length_success	8	MAX cookie name length check passed
	xml_check_max_elem_violation	8	XML Limit Element violation
	request_check_command_injection_headers_success	8	Command Injection Check headers passed
	brute_force_challenge_cookie_success	8	Cookie Challenge check passed
	cookie_security_allowed_session_cookies	8	Cookie Security - allowed session cookies
	xml_check_max_elem_depth_violation	8	XML Limit Element Depth violation
	response_action_deny_reset	8	Response Deny with Resets
	http_protocol_malformed_request_line_success	8	Malformed request line check passed
	form_set_no_cache	8	Form Set No Cache
	request_check_sqlia_post_body_violation	8	SQLIA Check Post violation
	form_check_violation	8	Post Form Check violation
	response_action_allow	8	Response Action allowed
	evasion_check_max_levels_violation	8	Max Levels check violation
	cookie_security_encrypt_violation	8	Cookie Security - encrypt violation
	brute_force_lockout_limit_violation	8	Lockout limit violation
	http_protocol_allowed_method_check_violation	8	HTTP Method Check violation
	http_protocol_malformed_content_length_success	8	Malformed content-length check passed
	http_protocol_missing_host_header_violation	8	Missing host header check violation
	dlp_ccn_jcb_masked	8	JCB Credit Card Number Masked
	http_limit_max_header_length_success	8	MAX header length check passed
	request_check_redirect_wlist_success	8	Redirect Whitelist passed
	xml_check_max_attr_name_len_success	8	XML Limit Name Length check passed
	http_protocol_head_with_content_violation	8	HEAD with content check violation
	learning_list_full	8	Learning list is full
	request_check_xss_cookie_violation	8	XSS Check Cookie violation

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Table 2.79 – continued from previous page

	Counter	Size	Description
	evasion_check_multiple_encoding_levels_violation	8	Multiple Encoding Levels check violation
	http_protocol_body_without_content_type_success	8	Body without content type check passed
	http_protocol_allowed_versions_success	8	HTTP versions check passed
	xml_check_max_entity_decl_success	8	XML Limit Entity Decl check passed
	cookie_security_disallowed_session_set_cookies	8	Cookie Security - disallowed session Set-Cookies
	http_protocol_malformed_header_success	8	Malformed header check passed
	xml_check_sqlia_success	8	XML Sqlia Check passed
	form_consistency_success	8	Form Consistency passed
	xml_check_max_entity_depth_success	8	XML Limit Entity Depth check passed
	action_log	8	Log request violation
	request_check_xss_url_violation	8	XSS Check URL violation
	http_protocol_invalid_url_encoding_success	8	Invalid url encoding check passed
	request_check_referer_violation	8	Referer Check violation
	form_request_non_post_success	8	Form Method being Non Post in Request passed
	json_check_max_object_member_count_success	8	JSON Limit Object Number Count check passed
	dlp_ccn_visa_masked	8	Visa Credit Card Number Masked
	http_limit_max_header_name_length_success	8	MAX header name length check passed
	json_check_max_array_value_count_success	8	JSON Limit Array Value Count check passed
	xml_check_max_entity_exp_depth_success	8	XML Limit Entities Depth check passed
	http_limit_max_headers_length_success	8	MAX headers length check passed
	dlp_ccn_diners_masked	8	Diners Club Credit Card Number Masked
	policy_limit_exceeded	8	Policy limit exceeded
	dlp_ccn_success	8	Credit Card Number check passed
	http_protocol_bad_multipart_request_success	8	Bad multi-part request check passed
	soap_check_violation	8	Soap Check violation
	evasion_check_decode_unicode_chars_success	8	Decode Unicode Chars check passed
	http_limit_max_params_violation	8	Limit check - MAX parameters violation
	cookie_security_sign_limit_exceeded	8	Cookie Security - signing limit exceeded
	request_check_bot_success	8	Bot check passed
	cookie_security_encrypt_skip_rcache	8	Cookie Security - encrypt skipped - RAM cache
	brute_force_challenge_javascript_sent	8	JavaScript challenge sent
	http_limit_max_entities_violation	8	Max Entities violation
	evasion_check_apache_whitespace_success	8	Apache Whitespace check passed
	brute_force_challenge_limit_success	8	Lockout limit check passed
	http_protocol_allowed_versions_violation	8	HTTP versions check violation
	cookie_security_unrecognized_cookie_success	8	Cookie Security - request with unrecognized cookie
	action_deny_reset	8	Request Deny with Resets
	form_non_ssl_password_violation	8	Form Non SSL Password violation
	xml_check_max_elem_depth_success	8	XML Limit Element Depth check passed
	http_limit_max_headers_length_violation	8	MAX headers length check violation

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Table 2.79 – continued from previous page

	Counter	Size	Description
	response_action_drop	8	Number of Dropped Responses
	dlp_ccn_visa_violation	8	Visa Credit Card Number Detected
	req_denied	8	Requests Denied
	http_limit_max_params_success	8	Limit check - MAX parameters check passed
	req_allowed	8	Requests Allowed
	cookie_security_add_secure_success	8	Cookie Security - secure flag added
	evasion_check_invalid_hex_encoding_violation	8	Invalid Hex Encoding check violation
	json_check_max_object_member_count_violation	8	JSON Limit Object Number Count violation
	brute_force_challenge_javascript_success	8	JavaScript challenge check passed
	request_check_command_injection_cookies_success	8	Command Injection Check cookies passed
	dlp_ccn_jcb_violation	8	JCB Credit Card Number Detected
	form_non_ssl_password_success	8	Form Non SSL Password check passed
	form_password_autocomplete_success	8	Form Password Autocomplete check passed
	action_allow	8	Request Action allowed
	http_limit_max_cookies_length_success	8	MAX cookies length check passed
	action_deny_redirect	8	Request Deny with Redirect
	http_limit_max_param_name_length_success	8	Limit check - MAX parameter name length check passed
	dlp_ccn_diners_violation	8	Diners Club Credit Card Number Detected
	http_protocol_malformed_parameter_success	8	Malformed parameter check passed
	http_protocol_invalid_url_encoding_violation	8	Invalid url encoding check violation
	xml_check_max_attr_value_len_success	8	XML Limit Value Length check passed
	request_check_url_whitelist_violation	8	URI White List violation
	request_check_xss_cookie_success	8	XSS Check Cookie passed
	request_check_command_injection_form_body_success	8	Command Injection Check form body arguments passed
	http_protocol_success	8	HTTP Check passed
	http_protocol_bad_multipart_request_violation	8	Bad multi-part request check violation
	xml_check_max_namespace_success	8	XML Limit Namespace check passed
	dlp_ccn_mastercard_masked	8	MasterCard Credit Card Number Masked
	form_check_success	8	Post Form Check passed
	action_deny_custom_response	8	Request Deny with custom response
	xml_check_sqlia_violation	8	XML Sqlia Check violation
	cookie_security_sign_violation	8	Cookie Security - signing violation
	evasion_check_decode_escaped_chars_violation	8	Decode Escaped Chars check violation
	too_many_sessions	8	Too many sessions consumed
	cookie_security_add_secure_violation	8	Cookie Security - secure flag violation
	json_check_max_array_value_count_violation	8	JSON Limit Array Value Count violation
	evasion_check_max_levels_success	8	Max Levels check passed
	http_limit_max_query_length_violation	8	Limit check - MAX query length violation
	xml_check_max_elem_name_len_violation	8	XML Limit Element Name Length violation

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Table 2.79 – continued from previous page

	Counter	Size	Description
	http_protocol_multiple_content_length_success	8	Multiple content-length headers check passed
	regex_violation	8	Regular expression failure
	xml_check_max_attr_violation	8	XML Limit Attribute violation
	http_limit_max_header_value_length_violation	8	MAX header value length check violation
	http_limit_max_request_line_length_success	8	Limit check - MAX request line length check passed
	cookie_security_disallowed_session_cookies	8	Cookie Security - disallowed session cookies
	xml_content_check_schema_success	8	XML Schema passed
	evasion_check_high_ascii_bytes_success	8	High Ascii Bytes check passed
	http_protocol_head_with_content_success	8	HEAD with content check passed
	http_limit_max_content_length_violation	8	MAX content-length check violation
	http_protocol_missing_header_value_violation	8	Missing header value check violation
	http_limit_max_cookie_header_length_violation	8	MAX cookie header length violation
	xml_check_max_cdata_len_success	8	XML Limit CData Length check passed
	response_cloaking_filter_headers_success	8	Response Headers Filter check passed
	cookie_security_missing_cookie_success	8	Cookie Security - request with missing cookie
	http_protocol_post_without_content_violation	8	POST without content check violation
	cookie_security_persistent_cookies_signed	8	Cookie Security - signed persistent cookies
	soap_check_success	8	Soap Check passed
	request_check_redirect_wlist_violation	8	Redirect Whitelist violation
	http_limit_max_request_line_length_violation	8	Limit check - MAX request line length violation
	xml_check_max_elem_child_success	8	XML Limit Element Child check passed
	response_action_deny_custom_response	8	Response Deny with custom response
	http_limit_max_post_length_success	8	MAX POST length check passed
	request_check_url_blacklist_violation	8	URI Black List violation
	dlp_ccn_discover_violation	8	Discover Credit Card Number Detected
	http_limit_max_headers_violation	8	Max Headers violation
	xml_check_max_elem_name_len_success	8	XML Limit Element Name Length check passed
	request_check_sqlia_post_body_sanitize	8	SQLIA Check Post Sanitized
	form_csrf_tag_violation	8	Form CSRF tag violation
	form_non_masked_password_success	8	Form Non Masked Password check passed
	json_check_max_string_violation	8	JSON Limit String violation
	http_protocol_non_ssl_cookie_prefix_violation	8	Cookie Name Prefix check violation
	http_limit_max_entities_success	8	Max Entities check passed
	action_drop	8	Number of Dropped Requests
	http_protocol_missing_header_value_success	8	Missing header value check violation
	xml_check_format_violation	8	XML Check violation
	request_check_xss_post_body_success	8	XSS Check Post passed
	xml_check_max_attr_success	8	XML Limit Attribute check passed
	dlp_ccn_amex_masked	8	Amex Credit Card Number Masked
	form_password_autocomplete_violation	8	Form Password Autocomplete violation
	response_cloaking_hide_status_code_violation	8	Response Hide Code violation

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Table 2.79 – continued from previous page

	Counter	Size	Description
	request_check_sqlia_url_success	8	SQLIA Check URL passed
	http_protocol_allowed_headers_violation	8	HTTP headers check violation
	brute_force_violation	8	Brute-Force checks violation
	brute_force_challenge_captcha_success	8	Captcha challenge check passed
	brute_force_response_headers_triggered	8	Brute Force Response Headers Triggered
	http_limit_max_param_name_length_violation	8	Limit check - MAX parameter name length violation
	response_action_deny_redirect	8	Response Deny with Redirect
	cookie_security_add_samesite_success	8	Cookie Security - samesite attribute added successfully
	evasion_check_remove_comments_violation	8	Remove Comments check violation
	request_check_command_injection_form_body_violation	8	Command Injection Check form body arguments violation
	evasion_check_decode_entities_violation	8	Decode Entities check violation
	request_check_session_check_violation	8	Session Check violation
	form_non_ssl_success	8	Form Non SSL check passed
	cookie_security_session_cookies_signed	8	Cookie Security - signed session cookies
	xml_check_max_entity_depth_violation	8	XML Limit Entity Depth violation
	xml_content_check_wsdl_violation	8	WSDL violation
	json_check_max_depth_success	8	JSON Limit Depth check passed
	http_protocol_get_with_content_violation	8	GET with content check violation
	cookie_security_disallowed_session_set_cookies	8	Cookie Security - disallowed session Set-Cookies
	xml_check_namespace_uri_len_success	8	XML Limit Namespace URI Length check passed
	evasion_check_multiple_slashes_success	8	Multiple Slashes check passed
	http_limit_max_params_length_violation	8	Limit check - MAX parameters total length violation
	http_protocol_violation	8	HTTP Check violation
	csp_header_inserted	8	CSP header Inserted
	form_non_ssl_violation	8	Form Non SSL violation
	http_protocol_host_header_with_ip_success	8	Host header with IP check passed
	sessions_freed	8	Sessions freed
	out_of_sessions	8	Out of sessions
	dlp_ssn_violation	8	Social Security Number Mask violation
	form_response_non_post_success	8	Response form method was POST
	sessions_alloc	8	Sessions allocated
	request_check_command_injection_headers_violation	8	Command Injection Check headers violation
	form_response_non_post_sanitize	8	Changed response form method to POST
	http_protocol_non_ssl_cookie_prefix_success	8	Cookie Name Prefix check passed
	request_check_referer_success	8	Referer Check passed
	cookie_security_missing_cookie_violation	8	Cookie Security - missing cookie violation
	response_action_deny_403	8	Response Deny with 403

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Table 2.79 – continued from previous page

	Counter	Size	Description
	http_protocol_malformed_content_length_violation	8	Malformed content-length check violation
	cookie_security_persistent_cookies_encrypted	8	Cookie Security - encrypted persistent cookies
	evasion_check_decode_unicode_chars_violation	8	Decode Unicode Chars check violation
	evasion_check_invalid_hex_encoding_success	8	Invalid Hex Encoding check passed
	evasion_check_apache_whitespace_violation	8	Apache Whitespace check violation
	response_action_deny_200	8	Response Deny with 200
	cookie_security_signature_check_success	8	Cookie Security - signature check successful
	brute_force_challenge_limit_violation	8	Lockout limit violation
	response_action_learn	8	Response Learning Updates
	total_req	8	Total Requests
	http_limit_max_cookie_value_length_success	8	MAX cookie value length check passed
	http_protocol_multiple_content_length_violation	8	Multiple content-length headers check violation
	action_deny_403	8	Request Deny with 403
	form_csrf_tag_success	8	Form CSRF tag passed
	http_protocol_post_with_0_content_success	8	POST with 0 content check passed
	cookie_security_encrypt_success	8	Cookie Security - encrypt successful
	request_check_xss_cookie_sanitize	8	XSS Check Cookie Sanitized
	cookie_security_cookie_policy_success	8	Cookie Security - cookie policy passed
	xml_content_check_wsdl_success	8	WSDL passed
	cookie_security_disallowed_persistent_set_cookies	8	Cookie Security - disallowed persistent Set-Cookies
	cookie_security_decrypt_violation	8	Cookie Security - decrypt violation
	http_protocol_get_with_content_success	8	GET with content check passed
	request_check_redirect_wlist_learn	8	Redirect Whitelist Learn
	http_limit_max_header_value_length_success	8	MAX header value length check passed
	evasion_check_remove_comments_success	8	Remove Comments check passed
	brute_force_challenge_javascript_violation	8	JavaScript challenge violation
	evasion_check_multiple_encoding_levels_success	8	Multiple Encoding Levels check passed
	cookie_security_allowed_persistent_cookies	8	Cookie Security - allowed persistent cookies
	http_protocol_allowed_method_check_success	8	HTTP Method Check passed
	request_check_url_list_violation	8	URL Check violation
	cookie_security_add_samesite_violation	8	Cookie Security - samesite attribute violation
	http_limit_max_query_length_success	8	Limit check - MAX query length check passed
	cookie_security_add_http_only_success	8	Cookie Security - http-only flag added
	dlp_ccn_amex_violation	8	Amex Credit Card Number Detected
	json_check_max_string_success	8	JSON Limit String check passed
	http_limit_max_cookie_value_length_violation	8	MAX cookie value length violation
	brute_force_challenge_captcha_violation	8	Captcha challenge violation
	dlp_pcre_success	8	PCRE Mask check passed

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Table 2.79 – continued from previous page

	Counter	Size	Description
	xml_check_max_entity_exp_success	8	XML Limit Entity Decl check passed
	cookie_security_session_cookies_encrypted	8	Cookie Security - encrypted session cookies
	http_limit_max_cookies_violation	8	Max Cookies violation

2.118.5 waf template brute-force-protection

Protect brute force attacks

brute-force-protection Specification

Type	*Configuration Resource*
Element Name	brute-force-protection
Element URI	/axapi/v3/waf/template/{name}/brute-force-protection
Element Attributes	brute-force-protection_attributes
Schema	`brute-force-protection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/brute-force-protection

brute-force-protection attributes

Get Object

GET

/axapi/v3/waf/template/{name}/brute-force-protection

brute-force-protection attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/brute-force-protection

brute-force-protection attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/brute-force-protection

brute-force-protection attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/brute-force-protection

brute-force-protection attributes

brute-force-protection attributes

brute-force-challenge-limit

Description Maximum brute-force events before sending challenge (default 2) (Maximum brute-force events before locking out client (default 2))

Type: number

Range: 0-65535

Default: 2

brute-force-global

Description Brute-force triggers apply globally instead of per-client (Apply brute-force triggers globally)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-lockout-limit

Description Maximum brute-force events before locking out client (default 5)

Type: number

Range: 0-65535

Default: 5

brute-force-lockout-period

Description Number of seconds client should be locked out (default 600)

Type: number

Range: 0-1800

Default: 600

brute-force-resp-codes

Description Trigger brute-force check on HTTP response code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-codes-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-resp-headers

Description Trigger brute-force check on HTTP response header names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-headers-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-resp-string

Description Trigger brute-force check on HTTP response line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

brute-force-resp-string-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

brute-force-test-period

Description Number of seconds for brute-force event counting (default 60)

Type: number

Range: 0-600

Default: 60

challenge-action-cookie

Description Use Set-Cookie to determine if client allows cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

challenge-action-javascript

Description Add JavaScript to response to test if client allows JavaScript

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-disable-action

Description 'enable': Enable brute force protections; 'disable': Disable brute force protections (default);

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.6 waf template cookie-security

Protections to secure cookies

cookie-security Specification

Type	*Configuration Resource*
Element Name	cookie-security
Element URI	/axapi/v3/waf/template/{name}/cookie-security
Element Attributes	cookie-security_attributes
Schema	`cookie-security schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/cookie-security

cookie-security attributes

Get Object

GET

/axapi/v3/waf/template/{name}/cookie-security

cookie-security attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/cookie-security

cookie-security attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/cookie-security

cookie-security attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/cookie-security

cookie-security attributes

cookie-security attributes

cookie-policy

Type: List

set-cookie-policy

Type: List

tamper-protection-grace-period

Description Allow unrecognized cookies for a period of time after cookie encryption being applied (default 120 minutes)

Type: number

Range: 0-43200

Default: 120

tamper-protection-http-only

Description Add HttpOnly flag to cookies not in set-cookie-policy list (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

tamper-protection-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

Default: none

tamper-protection-secret

Description Cookie encryption secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

tamper-protection-secure

Description Add Secure flag to cookies not in set-cookie-policy list (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

tamper-protection-session-cookie-only

Description Only encrypt session cookies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

set-cookie-policy

Specification	
Type	*list*
Block object keys	

set-cookie-policy-allow

Description Allow the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-cookie-policy-http-only

Description Add HttpOnly flag to cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-cookie-policy-name

Description Name of cookie

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

set-cookie-policy-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

set-cookie-policy-secret

Description Cookie encryption secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

set-cookie-policy-secret-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

set-cookie-policy-secure

Description Add Secure flag to cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-policy

Specification	
Type	*list*
Block object keys	

cookie-policy-allow

Description Allow the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-policy-disallow

Description Block the cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-policy-name

Description Name of cookie

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.118.7 waf template data-leak-prevention

Data leak prevention

data-leak-prevention Specification

Type	*Configuration Resource*
Element Name	data-leak-prevention
Element URI	/axapi/v3/waf/template/{name}/data-leak-prevention
Element Attributes	data-leak-prevention_attributes
Schema	`data-leak-prevention schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/data-leak-prevention

data-leak-prevention attributes

Get Object

GET

/axapi/v3/waf/template/{name}/data-leak-prevention

data-leak-prevention attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/data-leak-prevention

data-leak-prevention attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/data-leak-prevention

data-leak-prevention attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/data-leak-prevention

data-leak-prevention attributes

data-leak-prevention attributes

ccn-mask

Description Mask credit card numbers in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

mask

Description Character to mask the matched pattern (default: X)

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in response

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ssn-mask

Description Mask US Social Security numbers in response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.8 waf template evasion-check

Check for evasion attempt

evasion-check Specification

Type	*Configuration Resource*
Element Name	evasion-check
Element URI	/axapi/v3/waf/template/{name}/evasion-check
Element Attributes	evasion-check_attributes
Schema	`evasion-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/evasion-check

evasion-check attributes

Get Object

GET

/axapi/v3/waf/template/{name}/evasion-check

evasion-check attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/evasion-check

evasion-check attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/evasion-check

evasion-check attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/evasion-check

evasion-check attributes

evasion-check attributes

apache-whitespace

Description Check for whitespace characters in URL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

decode-entities

Description Decode entities in internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-escaped-chars

Description Decode escaped characters such as r n " xXX u00YY in internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-plus-chars

Description Decode '+' as space in URL (default on)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

decode-unicode-chars

Description Check for evasion attempt using %u encoding of Unicode chars to bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

dir-traversal

Description Check for directory traversal attempt

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

high-ascii-bytes

Description Check for evasion attempt using ASCII bytes with values

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

invalid-hex-encoding

Description Check for evasion attempt using invalid hex characters (not in 0-9,a-f)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-levels

Description Max levels of encoding allowed in request (default 2)

Type: number

Range: 0-64

Default: 2

multiple-slashes

Description Check for evasion attempt using multiple slashes/backslashes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-comments

Description Remove comments from internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-spaces

Description Remove spaces from internal url

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.9 waf template form-protection

Web form protection

form-protection Specification

Type	*Configuration Resource*
Element Name	form-protection
Element URI	/axapi/v3/waf/template/{name}/form-protection
Element Attributes	form-protection_attributes
Schema	`form-protection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/form-protection

form-protection attributes

Get Object

GET

/axapi/v3/waf/template/{name}/form-protection

form-protection attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/form-protection

form-protection attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/form-protection

form-protection attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/form-protection

form-protection attributes

form-protection attributes

csrf-check

Description Tag the form to protect against Cross-site Request Forgery

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

field-consistency-check

Description Form input consistency check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-caching

Description Disable caching for response with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-non-ssl

Description Check whether SSL is used for request with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-request-non-post

Description Check whether POST is used for request with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-response-non-post

Description Check whether form method POST is used for response with forms

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

form-check-response-non-post-sanitize

Description Change form method GET to POST (Use with caution: make sure server application still work)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-autocomplete

Description Check to protect against server-generated form which contain password fields that allow autocomplete

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-non-masked

Description Check forms that have a password field with a textual type, resulting in this field not being masked

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-check-non-ssl

Description Check forms that has a password field if the form is not sent over an SSL connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.10 waf template http-limit-check

HTTP limit check

http-limit-check Specification

Type	*Configuration Resource*
Element Name	http-limit-check
Element URI	/axapi/v3/waf/template/{name}/http-limit-check
Element Attributes	http-limit-check_attributes
Schema	`http-limit-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/http-limit-check

http-limit-check attributes

Get Object

GET

/axapi/v3/waf/template/{name}/http-limit-check

http-limit-check attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/http-limit-check

http-limit-check attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/http-limit-check

http-limit-check attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/http-limit-check

http-limit-check attributes

http-limit-check attributes

max-content-length

Description Max length of content (default 4096) (Maximum length of content allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-content-length-value

Description Max length of content (default 4096) (Maximum length of content allowed (default 4096))

Type: number

Range: 0-2147483647

Default: 4096

max-cookie-header-length

Description Max Cookie header length allowed in request (default 4096) (Maximum length of cookie header allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-header-length-value

Description Max Cookie header length allowed in request (default 4096) (Maximum length of cookie header allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookie-name-length

Description Max Cookie name length allowed in request (default 64) (Maximum length of cookie name allowed (default 64))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-name-length-value

Description Max Cookie name length allowed in request (default 64) (Maximum length of cookie name allowed (default 64))

Type: number

Range: 0-65535

Default: 64

max-cookie-value-length

Description Max Cookie value length allowed in request (default 4096) (Maximum length of cookie value allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookie-value-length-value

Description Max Cookie value length allowed in request (default 4096) (Maximum length of cookie value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookies

Description Max Cookies allowed in request (default 256) (Maximum number of cookie allowed (default 256))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookies-length

Description Total Cookies length allowed in request (default 4096) (Maximum length of all cookies in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-cookies-length-value

Description Total Cookies length allowed in request (default 4096) (Maximum length of all cookies in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-cookies-value

Description Max Cookies allowed in request (default 20) (Maximum number of cookie allowed (default 20))

Type: number

Range: 0-1023

Default: 20

max-entities

Description Maximum number of MIME entities allowed in request (default 10)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-entities-value

Description Maximum number of MIME entities allowed in request (default 10)

Type: number

Range: 0-512

Default: 10

max-header-length

Description Max header length allowed in request (default 4096) (Maximum length of header allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-length-value

Description Max header length allowed in request (default 4096) (Maximum length of header allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-header-name-length

Description Max header name length allowed in request (default 64) (Maximum length of header name allowed (default 64))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-name-length-value

Description Max header name length allowed in request (default 64) (Maximum length of header name allowed (default 64))

Type: number

Range: 0-65535

Default: 64

max-header-value-length

Description Max header value length allowed in request (default 4096) (Maximum length of header value allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-header-value-length-value

Description Max header value length allowed in request (default 4096) (Maximum length of header value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-headers

Description Total headers length allowed in request (default 4096) (Maximum length of all headers in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-headers-length

Description Total headers length allowed in request (default 4096) (Maximum length of all headers in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-headers-length-value

Description Total headers length allowed in request (default 4096) (Maximum length of all headers in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-headers-value

Description Total number of headers allowed in request (default 64) (Maximum number of headers in request (default 64))

Type: number

Range: 0-255

Default: 64

max-param-name-length

Description Max query/POST parameter name length allowed in request (default 64) (Maximum length of query/POST parameter names allowed (default 64))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-param-name-length-value

Description Max query/POST parameter name length allowed in request (default 256) (Maximum length of query/POST parameter names allowed (default 256))

Type: number

Range: 0-65535

Default: 256

max-param-value-length

Description Max query/POST parameter value length allowed in request (default 4096) (Maximum length of query/POST parameter value allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-param-value-length-value

Description Max query/POST parameter value length allowed in request (default 4096) (Maximum length of query/POST parameter value allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-params

Description Total query/POST parameters allowed in request (default 4096) (Maximum number of query/POST parameters in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-params-length

Description Total query/POST paramaters length allowed in request (default 4096) (Maximum length of all params in request (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-params-length-value

Description Total query/POST parameters length allowed in request (default 4096) (Maximum length of all params in request (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-params-value

Description Total query/POST parameters allowed in request (default 64) (Maximum number of query/POST parameters in request (default 64))

Type: number

Range: 0-1024

Default: 64

max-post-length

Description Maximum content length allowed in POST request (default 20480)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-post-length-value

Description Maximum content length allowed in POST request (default 20480)

Type: number

Range: 0-2147483647

Default: 20480

max-query-length

Description Max length of query string (default 4096) (Maximum length of query string allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-query-length-value

Description Max length of query string (default 4096) (Maximum length of query string allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-request-length

Description Max length of request (default 4096) (Maximum length of request allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-request-length-value

Description Max length of request (default 20480) (Maximum length of request allowed (default 20480))

Type: number

Range: 0-2147483647

Default: 20480

max-request-line-length

Description Max length of request line (default 4096) (Maximum length of request line (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-request-line-length-value

Description Max length of request line (default 4096) (Maximum length of request line (default 4096))

Type: number

Range: 0-65535

Default: 4096

max-url-length

Description Max length of url (default 4096) (Maximum length of url allowed (default 4096))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-length-value

Description Max length of url (default 4096) (Maximum length of url allowed (default 4096))

Type: number

Range: 0-65535

Default: 4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.11 waf template http-protocol-check

New HTTP protocol check

http-protocol-check Specification

Type	*Configuration Resource*
Element Name	http-protocol-check
Element URI	/axapi/v3/waf/template/{name}/http-protocol-check
Element Attributes	http-protocol-check_attributes
Schema	`http-protocol-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/http-protocol-check

http-protocol-check attributes

Get Object

GET

/axapi/v3/waf/template/{name}/http-protocol-check

http-protocol-check attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/http-protocol-check

http-protocol-check attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/http-protocol-check

http-protocol-check attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/http-protocol-check

http-protocol-check attributes

http-protocol-check attributes

allowed-headers

Description List of allowed HTTP headers. Default is “”. (List of HTTP headers allowed (default “”))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-headers-list

Description Allowed HTTP headers. Default “Host Referer User-Agent Accept Accept-Encoding …” (see docs for full list) (Allowed HTTP headers (default “Host Referer User-Agent Accept Accept-Encoding …” (see docs for full list)))

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: Host Referer User-Agent Accept Accept-Encoding Accept-Language Accept-Language Authorization Cache-Control Content-Length

allowed-methods

Description List of allowed HTTP methods. Default is “GET POST”. (List of HTTP methods allowed (default “GET POST”))

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-methods-list

Description List of allowed HTTP methods. Default is “GET POST”. (List of HTTP methods allowed (default “GET POST”))

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: GET POST

allowed-versions

Description Enable allowed-versions check (default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-versions-list

Description List of allowed HTTP versions (default "1.0 1.1 2")

Type: string

Format: enum-list

Default: 1.0,1.1,2

bad-multipart-request

Description Check for bad multipart/form-data request body

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

body-without-content-type

Description Check for Body request without Content-Type header in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

get-with-content

Description Check for GET request with Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

head-with-content

Description Check for HEAD request with Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host-header-with-ip

Description Check for Host header with IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-url-encoding

Description Check for invalid URL encoding in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-content-length

Description Check for malformed content-length in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-header

Description Check for malformed HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-parameter

Description Check for malformed HTTP query/POST parameter

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-request

Description Check for malformed HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malformed-request-line

Description Check for malformed HTTP request line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-header-value

Description Check for missing header value in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-host-header

Description Check for missing Host header in HTTP/1.1 request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-content-length

Description Check for multiple Content-Length headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-cookie-prefix

Description Check for Bad __Secure- or __Host- Cookie Name prefixes in non-ssl request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-with-0-content

Description Check for POST request with Content-Length 0

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-without-content

Description Check for POST request without Content-Length/Chunked Encoding headers in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

post-without-content-type

Description Check for POST request without Content-Type header in request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.12 waf template json-check

JSON check

json-check Specification

Type	*Configuration Resource*
Element Name	json-check
Element URI	/axapi/v3/waf/template/{name}/json-check
Element Attributes	json-check_attributes
Schema	`json-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/json-check

json-check attributes

Get Object

GET

/axapi/v3/waf/template/{name}/json-check

json-check attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/json-check

json-check attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/json-check

json-check attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/json-check

json-check attributes

json-check attributes

format-check

Description Check HTTP body for JSON format compliance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-array-values

Description Maximum number of values in an array in a JSON request body (default 256) (Maximum number of values in a JSON array (default 256))

Type: number

Range: 0-4096

Default: 256

max-depth

Description Maximum recursion depth in a value in a JSON requesnt body (default 16) (Maximum recursion depth in a JSON value (default 16))

Type: number

Range: 0-4096

Default: 16

max-object-members

Description Maximum number of members in an object in a JSON request body (default 256) (Maximum number of members in a JSON object (default 256))

Type: number

Range: 0-4096

Default: 256

max-string-length

Description Maximum length of a string in a JSON request body (default 64) (Maximum length of a JSON string (default 64))

Type: number

Range: 0-4096

Default: 64

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.13 waf template request-check

Request check

request-check Specification

Type	*Configuration Resource*
Element Name	request-check
Element URI	/axapi/v3/waf/template/{name}/request-check
Element Attributes	request-check_attributes
Schema	`request-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/request-check

request-check attributes

Get Object

GET

/axapi/v3/waf/template/{name}/request-check

request-check attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/request-check

request-check attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/request-check

request-check attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/request-check

request-check attributes

request-check attributes

bot-check

Description Check User-Agent for known bots

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bot-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

command-injection-check

Description Check to protect against command injection attacks

Type: string

Format: enum-list

command-injection-check-policy-file

Description Name of WAF policy command injection list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lifetime

Description Session lifetime in minutes (default 10)

Type: number

Range: 1-1440

Default: 10

redirect-whitelist

Description Check Redirect URL against list of previously learned redirects

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

referer-check

Description Check referer to protect against CSRF attacks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

referer-domain-list

Description List of referer domains allowed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: referer-domain-list and referer-domain-list-only are mutually exclusive

referer-domain-list-only

Description List of referer domains allowed

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: referer-domain-list-only and referer-domain-list are mutually exclusive

referer-safe-url

Description Safe URL to redirect to if referer is missing

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

session-check

Description Enable session checking via session cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sqlia-check

Description 'reject': Reject requests with SQLIA patterns; 'sanitize': Remove bad SQL from request;

Type: string

Supported Values: reject

sqlia-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

url-blacklist

Description specify name of WAF policy list file to blacklist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-learned-list

Description Check URL against list of previously learned URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-whitelist

Description specify name of WAF policy list file to whitelist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

waf-blacklist-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

waf-whitelist-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

xss-check

Description 'reject': Reject requests with bad cookies; 'sanitize': Remove bad cookies from request;

Type: string

Supported Values: reject

xss-check-policy-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.118.14 waf template response-cloaking

Response cloaking

response-cloaking Specification

Type	*Configuration Resource*
Element Name	response-cloaking
Element URI	/axapi/v3/waf/template/{name}/response-cloaking
Element Attributes	response-cloaking_attributes
Schema	`response-cloaking schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/response-cloaking

response-cloaking attributes

Get Object

GET

/axapi/v3/waf/template/{name}/response-cloaking

response-cloaking attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/response-cloaking

response-cloaking attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/response-cloaking

response-cloaking attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/response-cloaking

response-cloaking attributes

response-cloaking attributes

filter-headers

Description Removes web server's identifying headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hide-status-codes

Description Hides response status codes that are not allowed (default 4xx, 5xx)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hide-status-codes-file

Description Name of WAF policy list file

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.15 waf template violation-log-mask

violation log mask

violation-log-mask Specification

Type	*Configuration Resource*
Element Name	violation-log-mask
Element URI	/axapi/v3/waf/template/{name}/violation-log-mask
Element Attributes	violation-log-mask_attributes
Schema	`violation-log-mask schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/violation-log-mask

violation-log-mask attributes

Get Object

GET

/axapi/v3/waf/template/{name}/violation-log-mask

violation-log-mask attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/violation-log-mask

violation-log-mask attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/violation-log-mask

violation-log-mask attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/violation-log-mask

violation-log-mask attributes

violation-log-mask attributes

query-param-name-equal-type

Description 'equals': Mask the query value if the query name equals to the string;

Type: string

Supported Values: equals

query-param-name-value

Description The list of Query parameter names

Type: string

Format: string-rlx

Maximum Length: 1031 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.16 waf template xml-check

XML check

xml-check Specification

Type	*Configuration Resource*
Element Name	xml-check
Element URI	/axapi/v3/waf/template/{name}/xml-check
Element Attributes	xml-check_attributes
Schema	`xml-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/template/{name}/xml-check

xml-check attributes

Get Object

GET

/axapi/v3/waf/template/{name}/xml-check

xml-check attributes

Modify Object

POST

/axapi/v3/waf/template/{name}/xml-check

xml-check attributes

Replace Object

PUT

/axapi/v3/waf/template/{name}/xml-check

xml-check attributes

Delete Object

DELETE

/axapi/v3/waf/template/{name}/xml-check

xml-check attributes

xml-check attributes

format

Description Check HTTP body for XML format compliance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-attr

Description Maximum number of attributes of an XML element (default 256)

Type: number

Range: 0-256

Default: 256

max-attr-name-len

Description Maximum length of an attribute name (default 128)

Type: number

Range: 0-2048

Default: 128

max-attr-value-len

Description Maximum length of an attribute text value (default 128)

Type: number

Range: 0-4096

Default: 128

max-cdata-len

Description Maximum length of an CDATA section of an element (default 65535)

Type: number

Range: 0-65535

Default: 65535

max-elem

Description Maximum number of XML elements (default 1024)

Type: number

Range: 0-8192

Default: 1024

max-elem-child

Description Maximum number of children of an XML element (default 1024)

Type: number

Range: 0-4096

Default: 1024

max-elem-depth

Description Maximum recursion level for element definition (default 256)

Type: number

Range: 0-4096

Default: 256

max-elem-name-len

Description Maximum length for an element name (default 128)

Type: number

Range: 0-65535

Default: 128

max-entity-decl

Description Maximum number of entity declarations (default 1024)

Type: number

Range: 0-1024

Default: 1024

max-entity-depth

Description Maximum depth of entities (default 32)

Type: number

Range: 0-32

Default: 32

max-namespace

Description Maximum number of namespace declarations (default 16)

Type: number

Range: 0-256

Default: 16

max-namespace-uri-len

Description Maximum length of a namespace URI (default 256)

Type: number

Range: 0-1024

Default: 256

sqlia

Description Check XML data against SQLIA policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xss

Description Check XML data against XSS policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.118.17 waf wsdl

Manage Web Services Definition Language files

wsdl Specification

Type	*Configuration Resource*
Element Name	wsdl
Element URI	/axapi/v3/waf/wsdl
Element Attributes	wsdl_attributes
Schema	`wsdl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/wsdl

wsdl attributes

```
POST /axapi/v3/waf/wsdl
Payload:
{
    "wsdl": {
        "max-filesize": 16
    }
}
```

Get Object

GET

/axapi/v3/waf/wsdl

wsdl attributes

```
GET /axapi/v3/waf/wsdl
Reponse:
{
    "wsdl": {
        "max-filesize": 16,
        "uuid": "418c6f38-6130-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/waf/wsdl"
    }
}
```

Modify Object

POST

/axapi/v3/waf/wsdl

wsdl attributes

Replace Object

PUT

/axapi/v3/waf/wsdl

wsdl attributes

```
PUT /axapi/v3/waf/wsdl
Payload:
{
    "wsdl": {
        "max-filesize": 17
    }
}
```

Delete Object

DELETE

/axapi/v3/waf/wsdl

wsdl attributes

```
DELETE /axapi/v3/waf/wsdl
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

wsdl attributes

max-filesize

Description Set maximum WSDL file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-256

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.18 waf xml-schema

Manage XML-Schema files

xml-schema Specification

Type	*Configuration Resource*
Element Name	xml-schema
Element URI	/axapi/v3/waf/xml-schema
Element Attributes	xml-schema_attributes
Schema	`xml-schema schema`

Operations Allowed:

Create Object

POST

/axapi/v3/waf/xml-schema

xml-schema attributes

```
POST /axapi/v3/waf/xml-schema
Payload:
{
    "xml-schema": {
        "max-filesize": 16
    }
}
```

Get Object

GET

/axapi/v3/waf/xml-schema

xml-schema attributes

```
GET /axapi/v3/waf/xml-schema
Reponse:
{
    "xml-schema": {
        "max-filesize": 16,
        "uuid": "4fb67d60-6130-11d9-a3e6-001fa00680a0",
        "a10-url": "/axapi/v3/waf/xml-schema"
    }
}
```

Modify Object

POST

/axapi/v3/waf/xml-schema

xml-schema attributes

Replace Object

PUT

/axapi/v3/waf/xml-schema

xml-schema attributes

```
PUT /axapi/v3/waf/xml-schema
Payload:
{
    "xml-schema": {
        "max-filesize": 17
    }
}
```

Delete Object

DELETE

/axapi/v3/waf/xml-schema

xml-schema attributes

```
DELETE /axapi/v3/waf/xml-schema
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

xml-schema attributes

max-filesize

Description Set maximum XML-Schema file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-256

Default: 32

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.119 web-category

Objects:

2.119.1 web-category

Web-Category Commands

web-category Specification

Type	*Configuration Resource*
Element Name	web-category
Element URI	/axapi/v3/web-category
Element Attributes	web-category_attributes
Operational Data URI	/axapi/v3/web-category/oper
Schema	`web-category schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category

web-category attributes

```
POST /axapi/v3/web-category
Payload:
{
    "web-category": {
```

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```
        "server": "a"
    }
}
```

Get Object

GET

/axapi/v3/web-category

web-category attributes

```
GET /axapi/v3/web-category
Reponse:
{
    "web-category": {
        "server": "a",
        "port": 80,
        "ssl-port": 443,
        "server-timeout": 15,
        "cloud-query-disable": 0,
        "cloud-query-cache-size": 2000,
        "rtu-update-disable": 0,
        "rtu-update-interval": 60,
        "rtu-cache-size": 2000,
        "use-mgmt-port": 0,
        "remote-syslog-enable": 0,
        "enable": 0,
        "uuid": "622509b6-60aa-11d9-b2a5-7f64d67a548c",
        "intercepted-urls": {
            "uuid": "62250a74-60aa-11d9-b2a5-7f64d67a548c",
            "a10-url": "/axapi/v3/web-category/intercepted-urls"
        },
        "bypassed-urls": {
            "uuid": "62250b28-60aa-11d9-b2a5-7f64d67a548c",
            "a10-url": "/axapi/v3/web-category/bypassed-urls"
        },
        "url": {
            "uuid": "62250bdc-60aa-11d9-b2a5-7f64d67a548c",
            "a10-url": "/axapi/v3/web-category/url"
        },
        "license": {
            "uuid": "62250c9a-60aa-11d9-b2a5-7f64d67a548c",
            "a10-url": "/axapi/v3/web-category/license"
        },
        "statistics": {
            "uuid": "62250d58-60aa-11d9-b2a5-7f64d67a548c",
            "a10-url": "/axapi/v3/web-category/statistics"
        },
        "web-reputation": {
            "uuid": "ebe6b128-5fff-11d9-8bda-9f1b8c3fd480",
            "intercepted-urls": {
                "uuid": "ebe6b1dc-5fff-11d9-8bda-9f1b8c3fd480",
                "a10-url": "/axapi/v3/web-category/web-reputation/intercepted-urls"
            },
            "bypassed-urls": {
                "uuid": "ebe6b29a-5fff-11d9-8bda-9f1b8c3fd480",
```

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```
                "a10-url": "/axapi/v3/web-category/web-reputation/bypassed-urls"
            },
            "url": {
                "uuid": "ebe6b34e-5fff-11d9-8bda-9f1b8c3fd480",
                "a10-url": "/axapi/v3/web-category/web-reputation/url"
            },
            "a10-url": "/axapi/v3/web-category/web-reputation"
        },
        "a10-url": "/axapi/v3/web-category"
    }
}
```

Modify Object

POST

/axapi/v3/web-category

web-category attributes

Replace Object

PUT

/axapi/v3/web-category

web-category attributes

```
PUT /axapi/v3/web-category
Payload:
{
    "web-category": {
        "server": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/web-category

web-category attributes

```
DELETE /axapi/v3/web-category
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

web-category attributes

bypassed-urls

Description: bypassed-urls is a **JSON Block**. Please see below for *bypassed-urls*

Type: Object

Refernce Object: */axapi/v3/web-category/bypassed-urls*

category-list-list

Type: List

Refernce Object: */axapi/v3/web-category/category-list/{name}*

cloud-query-cache-size

Description Maximum cache size for storing cloud query results

Type: number

cloud-query-disable

Description Disables cloud queries for URL's not present in local database(default enable)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-server

Description BrightCloud Database Server

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

db-update-time

Description Time of day to update database (default: 00:00)

Type: string

Format: time-hhmm

enable

Description Enable BrightCloud SDK

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

intercepted-urls

Description: intercepted-urls is a **JSON Block**. Please see below for *intercepted-urls*

Type: Object

Refernce Object: */axapi/v3/web-category/intercepted-urls*

license

Description: license is a **JSON Block**. Please see below for *license*

Type: Object

Refernce Object: */axapi/v3/web-category/license*

port

Description BrightCloud Query Server Listening Port(default 80)

Type: number

Range: 1-65535

Default: 80

proxy-server

Description: proxy-server is a **JSON Block**. Please see below for *proxy-server*

Type: Object

Refernce Object: */axapi/v3/web-category/proxy-server*

remote-syslog-enable

Description Enable data plane logging to a remote syslog server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reputation-scope-list

Type: List

Refernce Object: */axapi/v3/web-category/reputation-scope/{name}*

rtu-cache-size

Description Maximum cache size for storing RTU updates

Type: number

rtu-update-disable

Description Disables real time updates(default enable)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtu-update-interval

Description Interval to check for real time updates if enabled in mins(default 60)

Type: number

Range: 10-14400

Default: 60

server

Description BrightCloud Query Server

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

server-timeout

Description BrightCloud Servers Timeout in seconds (default: 15s)

Type: number

Range: 1-30

Default: 15

ssl-port

Description BrightCloud Servers SSL Port(default 443)

Type: number

Range: 1-65535

Default: 443

statistics

Description: statistics is a **JSON Block**. Please see below for *statistics*

Type: Object

Refernce Object: */axapi/v3/web-category/statistics*

url

Description: url is a **JSON Block**. Please see below for *url*

Type: Object

Refernce Object: */axapi/v3/web-category/url*

use-mgmt-port

Description Use management interface for all communication with BrightCloud

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation

Description: web-reputation is a **JSON Block**. Please see below for *web-reputation*

Type: Object

Refernce Object: */axapi/v3/web-category/web-reputation*

statistics

Specification	
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

statistics_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'db-lookup': db-lookup; 'cloud-cache-lookup': cloud-cache-lookup; 'cloud-lookup': cloud-lookup; 'rtu-lookup': rtu-lookup; 'lookup-latency': lookup-latency; 'db-mem': db-mem; 'rtu-cache-mem': rtu-cache-mem; 'lookup-cache-mem': lookup-cache-mem;

Type: string

Supported Values: all, db-lookup, cloud-cache-lookup, cloud-lookup, rtu-lookup, lookup-latency, db-mem, rtu-cache-mem, lookup-cache-mem

intercepted-urls

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy-server

Specification	
Type	*object*

auth-type

Description 'ntlm': NTLM authentication(default); 'basic': Basic authentication;

Type: string

Supported Values: ntlm, basic

Default: ntlm

domain

Description Realm for NTLM authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

http-port

Description Proxy server HTTP port

Type: number

Range: 1-65535

https-port

Description Proxy server HTTPS port(HTTP port will be used if not configured)

Type: number

Range: 1-65535

password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bypassed-urls

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reputation-scope-list

Specification	
Type	*list*
Block object keys	

greater-than

Description: greater-than is a **JSON Block**. Please see below for *reputation-scope-list_greater-than*

Type: Object

less-than

Description: less-than is a **JSON Block**. Please see below for *reputation-scope-list_less-than*

Type: Object

name

Description Reputation Scope name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reputation-scope-list_less-than

Specification	
Type	*object*

less-low-risk

Description Reputation score is less than or equal to 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-low-riskless-trustworthy, less-moderate-risk, less-suspicious, less-malicious and less-threshold are mutually exclusive

less-malicious

Description Reputation score is less than or equal to 20

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-maliciousless-trustworthy, less-low-risk, less-moderate-risk, less-suspicious and less-threshold are mutually exclusive

less-moderate-risk

Description Reputation score is less than or equal to 60

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-moderate-riskless-trustworthy, less-low-risk, less-suspicious, less-malicious and less-threshold are mutually exclusive

less-suspicious

Description Reputation score is less than or equal to 40

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-suspiciousless-trustworthy, less-low-risk, less-moderate-risk, less-malicious and less-threshold are mutually exclusive

less-threshold

Description Reputation score is less than or equal to a customized value (1-100)

Type: number

Range: 1-100

Mutual Exclusion: less-thresholdless-trustworthy, less-low-risk, less-moderate-risk, less-suspicious and less-malicious are mutually exclusive

less-trustworthy

Description Reputation score is less than or equal to 100

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-trustworthyless-low-risk, less-moderate-risk, less-suspicious, less-malicious and less-threshold are mutually exclusive

reputation-scope-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'trustworthy': Trustworthy level(81-100); 'low-risk': Low-risk level(61-80); 'moderate-risk': Moderate-risk level(41-60); 'suspicious': Suspicious level(21-40); 'malicious': Malicious level(1-20);

Type: string

Supported Values: all, trustworthy, low-risk, moderate-risk, suspicious, malicious

reputation-scope-list_greater-than

Specification	
Type	*object*

greater-low-risk

Description Reputation score is greater than or equal to 61

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-low-riskgreater-trustworthy, greater-moderate-risk, greater-suspicious, greater-malicious and greater-threshold are mutually exclusive

greater-malicious

Description Reputation score is greater than or equal to 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-maliciousgreater-trustworthy, greater-low-risk, greater-moderate-risk, greater-suspicious and greater-threshold are mutually exclusive

greater-moderate-risk

Description Reputation score is greater than or equal to 41

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-moderate-riskgreater-trustworthy, greater-low-risk, greater-suspicious, greater-malicious and greater-threshold are mutually exclusive

greater-suspicious

Description Reputation score is greater than or equal to 21

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-suspiciousgreater-trustworthy, greater-low-risk, greater-moderate-risk, greater-malicious and greater-threshold are mutually exclusive

greater-threshold

Description Reputation score is greater than or equal to the customized score (1-100)

Type: number

Range: 1-100

Mutual Exclusion: greater-thresholdgreater-trustworthy, greater-low-risk, greater-moderate-risk, greater-suspicious and greater-malicious are mutually exclusive

greater-trustworthy

Description Reputation score is greater than or equal to 81

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-trustworthygreater-low-risk, greater-moderate-risk, greater-suspicious, greater-malicious and greater-threshold are mutually exclusive

license

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation

Specification	
Type	*object*

bypassed-urls

Description: bypassed-urls is a **JSON Block**. Please see below for *web-reputation_bypassed-urls*

Type: Object

Refernce Object: */axapi/v3/web-category/web-reputation/bypassed-urls*

intercepted-urls

Description: intercepted-urls is a **JSON Block**. Please see below for *web-reputation_intercepted-urls*

Type: Object

Refernce Object: */axapi/v3/web-category/web-reputation/intercepted-urls*

url

Description: url is a **JSON Block**. Please see below for *web-reputation_url*

Type: Object

Refernce Object: */axapi/v3/web-category/web-reputation/url*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation_url

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation_bypassed-urls

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation_intercepted-urls

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

url

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

category-list-list

Specification	
Type	*list*
Block object keys	

abortion

Description Category Abortion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adult-and-pornography

Description Category Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alcohol-and-tobacco

Description Category Alcohol and Tobacco

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auctions

Description Category Auctions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bot-nets

Description Category Bot Nets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

business-and-economy

Description Category Business and Economy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cdns

Description Category CDNs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cheating

Description Category Cheating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-info

Description Category Computer and Internet Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-security

Description Category Computer and Internet Security

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

confirmed-spam-sources

Description Category Confirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cult-and-occult

Description Category Cult and Occult

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dating

Description Category Dating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-sites

Description Category Dead Sites (db Ops only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drugs

Description Category Abused Drugs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-comment

Description Category Dynamic Comment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

educational-institutions

Description Category Educational Institutions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entertainment-and-arts

Description Category Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fashion-and-beauty

Description Category Fashion and Beauty

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

financial-services

Description Category Financial Services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

food-and-dining

Description Category Food and Dining

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gambling

Description Category Gambling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

games

Description Category Games

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

government

Description Category Government

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gross

Description Category Gross

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hacking

Description Category Hacking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hate-and-racism

Description Category Hate and Racism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-and-medicine

Description Category Health and Medicine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

home-and-garden

Description Category Home and Garden

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hunting-and-fishing

Description Category Hunting and Fishing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal

Description Category Illegal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal-pornography

Description Category Illegal join Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

image-and-video-search

Description Category Image and Video Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-communications

Description Category Internet Communications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-portals

Description Category Internet Portals

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-search

Description Category Job Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keyloggers-and-monitoring

Description Category Keyloggers and Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kids

Description Category Kids

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

legal

Description Category Legal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-information

Description Category Local Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malware-sites

Description Category Malware Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

marijuana

Description Category Marijuana

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

military

Description Category Military

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

motor-vehicles

Description Category Motor Vehicles

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

music

Description Category Music

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Web Category List name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

news-and-media

Description Category News and Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity

Description Category Nudity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity-artistic

Description Category Nudity join Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

online-greeting-cards

Description Category Online Greeting cards

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-http-proxies

Description Category Open HTTP Proxies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parked-domains

Description Category Parked Domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pay-to-surf

Description Category Pay to Surf

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-to-peer

Description Category Peer to Peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-sites-and-blogs

Description Category Personal sites and Blogs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-storage

Description Category Personal Storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

philosophy-and-politics

Description Category Philosophy and Political Advocacy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

phishing-and-other-fraud

Description Category Phishing and Other Frauds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

private-ip-addresses

Description Category Private IP Addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-avoid-and-anonymizers

Description Category Proxy Avoid and Anonymizers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

questionable

Description Category Questionable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-estate

Description Category Real Estate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recreation-and-hobbies

Description Category Recreation and Hobbies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reference-and-research

Description Category Reference and Research

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

religion

Description Category Religion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

search-engines

Description Category Search Engines

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sex-education

Description Category Sex Education

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shareware-and-freeware

Description Category Shareware and Freeware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shopping

Description Category Shopping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

social-network

Description Category Social Network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

society

Description Category Society

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spam-urls

Description Category SPAM URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sports

Description Category Sports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spyware-and-adware

Description Category Spyware and Adware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stock-advice-and-tools

Description Category Stock Advice and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

streaming-media

Description Category Streaming Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

swimsuits-and-intimate-apparel

Description Category Swimsuits and Intimate Apparel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

training-and-tools

Description Category Training and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translation

Description Category Translation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

travel

Description Category Travel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uncategorized

Description Uncategorized URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unconfirmed-spam-sources

Description Category Unconfirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

violence

Description Category Violence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weapons

Description Category Weapons

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-advertisements

Description Category Web Advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-based-email

Description Category Web based email

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-hosting-sites

Description Category Web Hosting Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

category-list-list_sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'uncategorized': uncategorized category; 'real-estate': real estate category; 'computer-and-internet-security': computer and internet security category; 'financial-services': financial services category; 'business-and-economy': business and economy category; 'computer-and-internet-info': computer and internet info category; 'auctions': auctions category; 'shopping': shopping category; 'cult-and-occult': cult and occult category; 'travel': travel category; 'drugs': drugs category; 'adult-and-pornography': adult and pornography category; 'home-and-garden': home and garden category; 'military': military category; 'social-network': social network category; 'dead-sites': dead sites category; 'stock-advice-and-tools': stock advice and tools category; 'training-and-tools': training and tools category; 'dating': dating category; 'sex-education': sex education category; 'religion': religion category; 'entertainment-and-arts': entertainment and arts category; 'personal-sites-and-blogs': personal sites and blogs category; 'legal': legal category; 'local-information': local information category; 'streaming-media': streaming media category; 'job-search': job search category; 'gambling': gambling category; 'translation': translation category; 'reference-and-research': reference and research category; 'shareware-and-freeware': shareware and freeware category; 'peer-to-peer': peer to peer category; 'marijuana': marijuana category; 'hacking': hacking category; 'games': games category; 'philosophy-and-politics': philosophy and politics category; 'weapons': weapons category; 'pay-to-surf': pay to surf category; 'hunting-and-fishing': hunting and fishing category; 'society': society category; 'educational-institutions': educational institutions category; 'online-greeting-cards': online greeting cards category; 'sports': sports category; 'swimsuits-and-intimate-apparel': swimsuits and intimate apparel category; 'questionable': questionable category; 'kids': kids category; 'hate-and-racism': hate

and racism category; 'personal-storage': personal storage category; 'violence': violence category; 'keyloggers-and-monitoring': keyloggers and monitoring category; 'search-engines': search engines category; 'internet-portals': internet portals category; 'web-advertisements': web advertisements category; 'cheating': cheating category; 'gross': gross category; 'web-based-email': web based email category; 'malware-sites': malware sites category; 'phishing-and-other-fraud': phishing and other fraud category; 'proxy-avoid-and-anonymizers': proxy avoid and anonymizers category; 'spyware-and-adware': spyware and adware category; 'music': music category; 'government': government category; 'nudity': nudity category; 'news-and-media': news and media category; 'illegal': illegal category; 'CDNs': content delivery networks category; 'internet-communications': internet communications category; 'bot-nets': bot nets category; 'abortion': abortion category; 'health-and-medicine': health and medicine category; 'confirmed-SPAM-sources': confirmed SPAM sources category; 'SPAM-URLs': SPAM URLs category; 'unconfirmed-SPAM-sources': unconfirmed SPAM sources category; 'open-HTTP-proxies': open HTTP proxies category; 'dynamic-comment': dynamic comment category; 'parked-domains': parked domains category; 'alcohol-and-tobacco': alcohol and tobacco category; 'private-IP-addresses': private IP addresses category; 'image-and-video-search': image and video search category; 'fashion-and-beauty': fashion and beauty category; 'recreation-and-hobbies': recreation and hobbies category; 'motor-vehicles': motor vehicles category; 'web-hosting-sites': web hosting sites category; 'food-and-dining': food and dining category;

Type: string

Supported Values: all, uncategorized, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, CDNs, internet-communications, bot-nets, abortion, health-and-medicine, confirmed-SPAM-sources, SPAM-URLs, unconfirmed-SPAM-sources, open-HTTP-proxies, dynamic-comment, parked-domains, alcohol-and-tobacco, private-IP-addresses, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, food-and-dining, nudity-artistic, illegal-pornography

operational data

	Counter	Size	Description
	web-cat-connection-status	string	web-cat-connection-status
	web-cat-last-update-time	string	web-cat-last-update-time
	web-cat-version	string	web-cat-version
	web-cat-database-version	number	web-cat-database-version
	web-cat-database-size	string	web-cat-database-size
	web-cat-next-update-time	string	web-cat-next-update-time
	web-cat-database-status	string	web-cat-database-status
	web-cat-database-name	string	web-cat-database-name
	web-cat-last-successful-connection	string	web-cat-last-successful-connection
	web-cat-failure-reason	string	web-cat-failure-reason

2.119.2 web-category bypassed-urls

Bypassed URLS

bypassed-urls Specification

Type	*Configuration Resource*
Element Name	bypassed-urls
Element URI	/axapi/v3/web-category/bypassed-urls
Element Attributes	bypassed-urls_attributes
Operational Data URI	/axapi/v3/web-category/bypassed-urls/oper
Schema	`bypassed-urls schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/bypassed-urls

bypassed-urls attributes

Get Object

GET

/axapi/v3/web-category/bypassed-urls

bypassed-urls attributes

Modify Object

POST

/axapi/v3/web-category/bypassed-urls

bypassed-urls attributes

Replace Object

PUT

/axapi/v3/web-category/bypassed-urls

bypassed-urls attributes

Delete Object

DELETE

/axapi/v3/web-category/bypassed-urls

bypassed-urls attributes

bypassed-urls attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-urls	enum	Output contains one of the following values: - true
	number-of-urls	number	number-of-urls
	url-list		url-list
	url-name	string	url-name

2.119.3 web-category category-list

List of web categories

category-list Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*category-list-list*
Collection URI	/axapi/v3/web-category/category-list
Element Name	category-list
Element URI	/axapi/v3/web-category/category-list/{name}
Element Attributes	category-list_attributes
Statistics Data URI	/axapi/v3/web-category/category-list/{name}/stats
Schema	`category-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/category-list

category-list attributes

```
POST /axapi/v3/web-category/category-list/
Payload:
{
    "category-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/web-category/category-list

category-list attributes

Get Object

GET

/axapi/v3/web-category/category-list/{name}

category-list attributes

```
GET /axapi/v3/web-category/category-list/a
Reponse:
{
    "category-list": {
```

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```
        "name": "a",
        "uncategorized": 0,
        "real-estate": 0,
        "computer-and-internet-security": 0,
        "financial-services": 0,
        "business-and-economy": 0,
        "computer-and-internet-info": 0,
        "auctions": 0,
        "shopping": 0,
        "cult-and-occult": 0,
        "travel": 0,
        "drugs": 0,
        "adult-and-pornography": 0,
        "home-and-garden": 0,
        "military": 0,
        "social-network": 0,
        "dead-sites": 0,
        "stock-advice-and-tools": 0,
        "training-and-tools": 0,
        "dating": 0,
        "sex-education": 0,
        "religion": 0,
        "entertainment-and-arts": 0,
        "personal-sites-and-blogs": 0,
        "legal": 0,
        "local-information": 0,
        "streaming-media": 0,
        "job-search": 0,
        "gambling": 0,
        "translation": 0,
        "reference-and-research": 0,
        "shareware-and-freeware": 0,
        "peer-to-peer": 0,
        "marijuana": 0,
        "hacking": 0,
        "games": 0,
        "philosophy-and-politics": 0,
        "weapons": 0,
        "pay-to-surf": 0,
        "hunting-and-fishing": 0,
        "society": 0,
        "educational-institutions": 0,
        "online-greeting-cards": 0,
        "sports": 0,
        "swimsuits-and-intimate-apparel": 0,
        "questionable": 0,
        "kids": 0,
        "hate-and-racism": 0,
        "personal-storage": 0,
        "violence": 0,
        "keyloggers-and-monitoring": 0,
        "search-engines": 0,
        "internet-portals": 0,
        "web-advertisements": 0,
        "cheating": 0,
        "gross": 0,
        "web-based-email": 0,
```


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```
        "malware-sites": 0,
        "phishing-and-other-fraud": 0,
        "proxy-avoid-and-anonymizers": 0,
        "spyware-and-adware": 0,
        "music": 0,
        "government": 0,
        "nudity": 0,
        "news-and-media": 0,
        "illegal": 0,
        "cdns": 0,
        "internet-communications": 0,
        "bot-nets": 0,
        "abortion": 0,
        "health-and-medicine": 0,
        "confirmed-spam-sources": 0,
        "spam-urls": 0,
        "unconfirmed-spam-sources": 0,
        "open-http-proxies": 0,
        "dynamic-comment": 0,
        "parked-domains": 0,
        "alcohol-and-tobacco": 0,
        "private-ip-addresses": 0,
        "image-and-video-search": 0,
        "fashion-and-beauty": 0,
        "recreation-and-hobbies": 0,
        "motor-vehicles": 0,
        "web-hosting-sites": 0,
        "food-and-dining": 0,
        "nudity-artistic": 0,
        "illegal-pornography": 0,
        "uuid": "2cf74654-6010-11d9-9363-001fa00680a0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/web-category/category-list/a"
    }
}
```


Get List

GET

/axapi/v3/web-category/category-list

category-list-list

Modify Object

POST

/axapi/v3/web-category/category-list/{name}

category-list attributes

Replace Object

PUT

/axapi/v3/web-category/category-list/{name}

category-list attributes

```
PUT /axapi/v3/web-category/category-list/a
Payload:
{
    "category-list": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/web-category/category-list

category-list-list

Delete Object

DELETE

/axapi/v3/web-category/category-list/{name}

category-list attributes

```
DELETE /axapi/v3/web-category/category-list/a
Reponse:
{
    "response": {
        "status": "OK"
    }
}
```

category-list-list

category-list-list is **JSON List** of *category-list attributes*

category-list-list : [

{ *category-list attributes* },

{ *category-list attributes* },

...

]

category-list attributes

abortion

Description Category Abortion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

adult-and-pornography

Description Category Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alcohol-and-tobacco

Description Category Alcohol and Tobacco

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auctions

Description Category Auctions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bot-nets

Description Category Bot Nets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

business-and-economy

Description Category Business and Economy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cdns

Description Category CDNs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cheating

Description Category Cheating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-info

Description Category Computer and Internet Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

computer-and-internet-security

Description Category Computer and Internet Security

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

confirmed-spam-sources

Description Category Confirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cult-and-occult

Description Category Cult and Occult

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dating

Description Category Dating

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-sites

Description Category Dead Sites (db Ops only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drugs

Description Category Abused Drugs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-comment

Description Category Dynamic Comment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

educational-institutions

Description Category Educational Institutions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entertainment-and-arts

Description Category Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fashion-and-beauty

Description Category Fashion and Beauty

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

financial-services

Description Category Financial Services

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

food-and-dining

Description Category Food and Dining

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gambling

Description Category Gambling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

games

Description Category Games

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

government

Description Category Government

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gross

Description Category Gross

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hacking

Description Category Hacking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hate-and-racism

Description Category Hate and Racism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-and-medicine

Description Category Health and Medicine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

home-and-garden

Description Category Home and Garden

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hunting-and-fishing

Description Category Hunting and Fishing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal

Description Category Illegal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

illegal-pornography

Description Category Illegal join Adult and Pornography

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

image-and-video-search

Description Category Image and Video Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-communications

Description Category Internet Communications

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

internet-portals

Description Category Internet Portals

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

job-search

Description Category Job Search

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keyloggers-and-monitoring

Description Category Keyloggers and Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

kids

Description Category Kids

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

legal

Description Category Legal

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-information

Description Category Local Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

malware-sites

Description Category Malware Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

marijuana

Description Category Marijuana

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

military

Description Category Military

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

motor-vehicles

Description Category Motor Vehicles

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

music

Description Category Music

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Web Category List name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

news-and-media

Description Category News and Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity

Description Category Nudity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nudity-artistic

Description Category Nudity join Entertainment and Arts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

online-greeting-cards

Description Category Online Greeting cards

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

open-http-proxies

Description Category Open HTTP Proxies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parked-domains

Description Category Parked Domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pay-to-surf

Description Category Pay to Surf

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-to-peer

Description Category Peer to Peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-sites-and-blogs

Description Category Personal sites and Blogs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

personal-storage

Description Category Personal Storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

philosophy-and-politics

Description Category Philosophy and Political Advocacy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

phishing-and-other-fraud

Description Category Phishing and Other Frauds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

private-ip-addresses

Description Category Private IP Addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-avoid-and-anonymizers

Description Category Proxy Avoid and Anonymizers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

questionable

Description Category Questionable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-estate

Description Category Real Estate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recreation-and-hobbies

Description Category Recreation and Hobbies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reference-and-research

Description Category Reference and Research

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

religion

Description Category Religion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

search-engines

Description Category Search Engines

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sex-education

Description Category Sex Education

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shareware-and-freeware

Description Category Shareware and Freeware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shopping

Description Category Shopping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

social-network

Description Category Social Network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

society

Description Category Society

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spam-urls

Description Category SPAM URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sports

Description Category Sports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spyware-and-adware

Description Category Spyware and Adware

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stock-advice-and-tools

Description Category Stock Advice and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

streaming-media

Description Category Streaming Media

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

swimsuits-and-intimate-apparel

Description Category Swimsuits and Intimate Apparel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

training-and-tools

Description Category Training and Tools

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translation

Description Category Translation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

travel

Description Category Travel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uncategorized

Description Uncategorized URLs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unconfirmed-spam-sources

Description Category Unconfirmed SPAM Sources

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

violence

Description Category Violence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weapons

Description Category Weapons

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-advertisements

Description Category Web Advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-based-email

Description Category Web based email

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-hosting-sites

Description Category Web Hosting Sites

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'uncategorized': uncategorized category; 'real-estate': real estate category; 'computer-and-internet-security': computer and internet security category; 'financial-services': financial services category; 'business-and-economy': business and economy category; 'computer-and-internet-info': computer and internet info category; 'auctions': auctions category; 'shopping': shopping category; 'cult-and-occult': cult and occult category; 'travel': travel category; 'drugs': drugs category; 'adult-and-pornography': adult and pornography category; 'home-and-garden': home and garden category; 'military': military category; 'social-network': social network category; 'dead-sites': dead sites category; 'stock-advice-and-tools': stock advice and tools category; 'training-and-tools': training and tools category; 'dating': dating category; 'sex-education': sex education category; 'religion': religion category; 'entertainment-and-arts': entertainment and arts category; 'personal-sites-and-blogs': personal sites and blogs category; 'legal': legal category; 'local-information': local information category; 'streaming-media': streaming media category; 'job-search': job search category; 'gambling': gambling category; 'translation': translation category; 'reference-and-research': reference and research category; 'shareware-and-freeware': shareware and freeware

category; ‘peer-to-peer’: peer to peer category; ‘marijuana’: marijuana category; ‘hacking’: hacking category; ‘games’: games category; ‘philosophy-and-politics’: philosophy and politics category; ‘weapons’: weapons category; ‘pay-to-surf’: pay to surf category; ‘hunting-and-fishing’: hunting and fishing category; ‘society’: society category; ‘educational-institutions’: educational institutions category; ‘online-greeting-cards’: online greeting cards category; ‘sports’: sports category; ‘swimsuits-and-intimate-apparel’: swimsuits and intimate apparel category; ‘questionable’: questionable category; ‘kids’: kids category; ‘hate-and-racism’: hate and racism category; ‘personal-storage’: personal storage category; ‘violence’: violence category; ‘keyloggers-and-monitoring’: keyloggers and monitoring category; ‘search-engines’: search engines category; ‘internet-portals’: internet portals category; ‘web-advertisements’: web advertisements category; ‘cheating’: cheating category; ‘gross’: gross category; ‘web-based-email’: web based email category; ‘malware-sites’: malware sites category; ‘phishing-and-other-fraud’: phishing and other fraud category; ‘proxy-avoid-and-anonymizers’: proxy avoid and anonymizers category; ‘spyware-and-adware’: spyware and adware category; ‘music’: music category; ‘government’: government category; ‘nudity’: nudity category; ‘news-and-media’: news and media category; ‘illegal’: illegal category; ‘CDNs’: content delivery networks category; ‘internet-communications’: internet communications category; ‘bot-nets’: bot nets category; ‘abortion’: abortion category; ‘health-and-medicine’: health and medicine category; ‘confirmed-SPAM-sources’: confirmed SPAM sources category; ‘SPAM-URLs’: SPAM URLs category; ‘unconfirmed-SPAM-sources’: unconfirmed SPAM sources category; ‘open-HTTP-proxies’: open HTTP proxies category; ‘dynamic-comment’: dynamic comment category; ‘parked-domains’: parked domains category; ‘alcohol-and-tobacco’: alcohol and tobacco category; ‘private-IP-addresses’: private IP addresses category; ‘image-and-video-search’: image and video search category; ‘fashion-and-beauty’: fashion and beauty category; ‘recreation-and-hobbies’: recreation and hobbies category; ‘motor-vehicles’: motor vehicles category; ‘web-hosting-sites’: web hosting sites category; ‘food-and-dining’: food and dining category;

Type: string

Supported Values: all, uncategorized, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, CDNs, internet-communications, bot-nets, abortion, health-and-medicine, confirmed-SPAM-sources, SPAM-URLs, unconfirmed-SPAM-sources, open-HTTP-proxies, dynamic-comment, parked-domains, alcohol-and-tobacco, private-IP-addresses, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, food-and-dining, nudity-artistic, illegal-pornography

stats data

	Counter	Size	Description
	CDNs	8	content delivery networks category
	weapons	8	weapons category
	entertainment-and-arts	8	entertainment and arts category
	SPAM-URLs	8	SPAM URLs category
	streaming-media	8	streaming media category
	social-network	8	social network category
	government	8	government category
	web-advertisements	8	web advertisements category
	fashion-and-beauty	8	fashion and beauty category
	computer-and-internet-security	8	computer and internet security category
	real-estate	8	real estate category
	web-based-email	8	web based email category
	recreation-and-hobbies	8	recreation and hobbies category
	business-and-economy	8	business and economy category
	confirmed-SPAM-sources	8	confirmed SPAM sources category
	philosophy-and-politics	8	philosophy and politics category
	society	8	society category
	motor-vehicles	8	motor vehicles category
	proxy-avoid-and-anonymizers	8	proxy avoid and anonymizers category
	gross	8	gross category
	legal	8	legal category
	bot-nets	8	bot nets category
	religion	8	religion category
	dating	8	dating category
	illegal-pornography	8	illegal join Adult and Pornography
	pay-to-surf	8	pay to surf category
	reference-and-research	8	reference and research category

continues on next page

Table 2.80 – continued from previous page

	Counter	Size	Description
	keyloggers-and-monitoring	8	keyloggers and monitoring category
	kids	8	kids category
	dynamic-comment	8	dynamic comment category
	violence	8	violence category
	sex-education	8	sex education category
	games	8	games category
	auctions	8	auctions category
	military	8	military category
	alcohol-and-tobacco	8	alcohol and tobacco category
	stock-advice-and-tools	8	stock advice and tools category
	news-and-media	8	news and media category
	cult-and-occult	8	cult and occult category
	food-and-dining	8	food and dining category
	cheating	8	cheating category
	illegal	8	illegal category
	local-information	8	local information category
	sports	8	sports category
	private-IP-addresses	8	private IP addresses category
	music	8	music category
	open-HTTP-proxies	8	open HTTP proxies category
	shareware-and-freeware	8	shareware and freeware category
	spyware-and-adware	8	spyware and adware category
	questionable	8	questionable category
	shopping	8	shopping category
	drugs	8	drugs category
	web-hosting-sites	8	web hosting sites category
	malware-sites	8	malware sites category
	online-greeting-cards	8	online greeting cards category
	translation	8	translation category
	job-search	8	job search category

continues on next page

Table 2.80 – continued from previous page

	Counter	Size	Description
	hunting-and-fishing	8	hunting and fishing category
	search-engines	8	search engines category
	educational-institutions	8	educational institutions category
	internet-portals	8	internet portals category
	computer-and-internet-info	8	computer and internet info category
	abortion	8	abortion category
	hacking	8	hacking category
	adult-and-pornography	8	adult and pornography category
	phishing-and-other-fraud	8	phishing and other fraud category
	nudity	8	nudity category
	health-and-medicine	8	health and medicine category
	marijuana	8	marijuana category
	home-and-garden	8	home and garden category
	unconfirmed-SPAM-sources	8	unconfirmed SPAM sources category
	personal-storage	8	personal storage category
	financial-services	8	financial services category
	swimsuits-and-intimate-apparel	8	swimsuits and intimate apparel category
	dead-sites	8	dead sites category
	travel	8	travel category
	nudity-artistic	8	nudity join Entertainment and Arts
	hate-and-racism	8	hate and racism category
	internet-communications	8	internet communications category
	gambling	8	gambling category
	peer-to-peer	8	peer to peer category
	uncategorized	8	uncategorized category
	personal-sites-and-blogs	8	personal sites and blogs category

continues on next page

Table 2.80 – continued from previous page

	Counter	Size	Description
	image-and-video-search	8	image and video search category
	training-and-tools	8	training and tools category
	parked-domains	8	parked domains category

2.119.4 web-category intercepted-urls

Intercepted URLS

intercepted-urls Specification

Type	*Configuration Resource*
Element Name	intercepted-urls
Element URI	/axapi/v3/web-category/intercepted-urls
Element Attributes	intercepted-urls_attributes
Operational Data URI	/axapi/v3/web-category/intercepted-urls/oper
Schema	`intercepted-urls schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/intercepted-urls

intercepted-urls attributes

Get Object

GET

/axapi/v3/web-category/intercepted-urls

intercepted-urls attributes

Modify Object

POST

/axapi/v3/web-category/intercepted-urls

intercepted-urls attributes

Replace Object

PUT

/axapi/v3/web-category/intercepted-urls

intercepted-urls attributes

Delete Object

DELETE

/axapi/v3/web-category/intercepted-urls

intercepted-urls attributes

intercepted-urls attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-urls	enum	Output contains one of the following values: - true
	number-of-urls	number	number-of-urls
	url-list		url-list
	url-name	string	url-name

2.119.5 web-category license

License information

license Specification

Type	*Configuration Resource*
Element Name	license
Element URI	/axapi/v3/web-category/license
Element Attributes	license_attributes
Operational Data URI	/axapi/v3/web-category/license/oper
Schema	`license schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/license

license attributes

Get Object

GET

/axapi/v3/web-category/license

license attributes

Modify Object

POST

/axapi/v3/web-category/license

license attributes

Replace Object

PUT

/axapi/v3/web-category/license

license attributes

Delete Object

DELETE

/axapi/v3/web-category/license

license attributes

license attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	license-status	string	license-status
	grace-period	string	grace-period
	is-grace	string	is-grace
	license-type	string	license-type
	license-expiry	string	license-expiry
	serial-number	string	serial-number
	module-status	string	module-status
	remaining-period	string	remaining-period

2.119.6 web-category proxy-server

Commands to connect web-category through proxy server

proxy-server Specification

Type	*Configuration Resource*
Element Name	proxy-server
Element URI	/axapi/v3/web-category/proxy-server
Element Attributes	proxy-server_attributes
Schema	`proxy-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/proxy-server

proxy-server attributes

Get Object

GET

/axapi/v3/web-category/proxy-server

proxy-server attributes

Modify Object

POST

/axapi/v3/web-category/proxy-server

proxy-server attributes

Replace Object

PUT

/axapi/v3/web-category/proxy-server

proxy-server attributes

Delete Object

DELETE

/axapi/v3/web-category/proxy-server

proxy-server attributes

proxy-server attributes

auth-type

Description 'ntlm': NTLM authentication(default); 'basic': Basic authentication;

Type: string

Supported Values: ntlm, basic

Default: ntlm

domain

Description Realm for NTLM authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

http-port

Description Proxy server HTTP port

Type: number

Range: 1-65535

https-port

Description Proxy server HTTPS port(HTTP port will be used if not configured)

Type: number

Range: 1-65535

password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.119.7 web-category reputation-scope

Configure the scope of reputation score

reputation-scope Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*reputation-scope-list*
Collection URI	/axapi/v3/web-category/reputation-scope
Element Name	reputation-scope
Element URI	/axapi/v3/web-category/reputation-scope/{name}
Element Attributes	reputation-scope_attributes
Statistics Data URI	/axapi/v3/web-category/reputation-scope/{name}/stats
Schema	`reputation-scope schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/reputation-scope

reputation-scope attributes

Create List

POST

/axapi/v3/web-category/reputation-scope

reputation-scope attributes

Get Object

GET

/axapi/v3/web-category/reputation-scope/{name}

reputation-scope attributes

Get List

GET

/axapi/v3/web-category/reputation-scope

reputation-scope-list

Modify Object

POST

/axapi/v3/web-category/reputation-scope/{name}

reputation-scope attributes

Replace Object

PUT

/axapi/v3/web-category/reputation-scope/{name}

reputation-scope attributes

Replace List

PUT

/axapi/v3/web-category/reputation-scope

reputation-scope-list

Delete Object

DELETE

/axapi/v3/web-category/reputation-scope/{name}

reputation-scope attributes

reputation-scope-list

reputation-scope-list is **JSON List** of *reputation-scope attributes*

reputation-scope-list : [

{ *reputation-scope attributes* },

{ *reputation-scope attributes* },

...

]

reputation-scope attributes

greater-than

Description: greater-than is a **JSON Block**. Please see below for *greater-than*

Type: Object

less-than

Description: less-than is a **JSON Block**. Please see below for *less-than*

Type: Object

name

Description Reputation Scope name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

less-than

Specification	
Type	*object*

less-low-risk

Description Reputation score is less than or equal to 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-low-riskless-trustworthy, less-moderate-risk, less-suspicious, less-malicious and less-threshold are mutually exclusive

less-malicious

Description Reputation score is less than or equal to 20

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-maliciousless-trustworthy, less-low-risk, less-moderate-risk, less-suspicious and less-threshold are mutually exclusive

less-moderate-risk

Description Reputation score is less than or equal to 60

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-moderate-riskless-trustworthy, less-low-risk, less-suspicious, less-malicious and less-threshold are mutually exclusive

less-suspicious

Description Reputation score is less than or equal to 40

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-suspiciousless-trustworthy, less-low-risk, less-moderate-risk, less-malicious and less-threshold are mutually exclusive

less-threshold

Description Reputation score is less than or equal to a customized value (1-100)

Type: number

Range: 1-100

Mutual Exclusion: less-thresholdless-trustworthy, less-low-risk, less-moderate-risk, less-suspicious and less-malicious are mutually exclusive

less-trustworthy

Description Reputation score is less than or equal to 100

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: less-trustworthyless-low-risk, less-moderate-risk, less-suspicious, less-malicious and less-threshold are mutually exclusive

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'trustworthy': Trustworthy level(81-100); 'low-risk': Low-risk level(61-80); 'moderate-risk': Moderate-risk level(41-60); 'suspicious': Suspicious level(21-40); 'malicious': Malicious level(1-20);

Type: string

Supported Values: all, trustworthy, low-risk, moderate-risk, suspicious, malicious

greater-than

Specification	
Type	*object*

greater-low-risk

Description Reputation score is greater than or equal to 61

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-low-riskgreater-trustworthy, greater-moderate-risk, greater-suspicious, greater-malicious and greater-threshold are mutually exclusive

greater-malicious

Description Reputation score is greater than or equal to 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-maliciousgreater-trustworthy, greater-low-risk, greater-moderate-risk, greater-suspicious and greater-threshold are mutually exclusive

greater-moderate-risk

Description Reputation score is greater than or equal to 41

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-moderate-riskgreater-trustworthy, greater-low-risk, greater-suspicious, greater-malicious and greater-threshold are mutually exclusive

greater-suspicious

Description Reputation score is greater than or equal to 21

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-suspiciousgreater-trustworthy, greater-low-risk, greater-moderate-risk, greater-malicious and greater-threshold are mutually exclusive

greater-threshold

Description Reputation score is greater than or equal to the customized score (1-100)

Type: number

Range: 1-100

Mutual Exclusion: greater-thresholdgreater-trustworthy, greater-low-risk, greater-moderate-risk, greater-suspicious and greater-malicious are mutually exclusive

greater-trustworthy

Description Reputation score is greater than or equal to 81

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: greater-trustworthygreater-low-risk, greater-moderate-risk, greater-suspicious, greater-malicious and greater-threshold are mutually exclusive

stats data

	Counter	Size	Description
	trustworthy	8	Trustworthy level(81-100)
	moderate-risk	8	Moderate-risk level(41-60)
	suspicious	8	Suspicious level(21-40)
	malicious	8	Malicious level(1-20)
	low-risk	8	Low-risk level(61-80)

2.119.8 web-category statistics

Statistics

statistics Specification

Type	*Configuration Resource*
Element Name	statistics
Element URI	/axapi/v3/web-category/statistics
Element Attributes	statistics_attributes
Statistics Data URI	/axapi/v3/web-category/statistics/stats
Operational Data URI	/axapi/v3/web-category/statistics/oper
Schema	`statistics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/statistics

statistics attributes

Get Object

GET

/axapi/v3/web-category/statistics

statistics attributes

Modify Object

POST

/axapi/v3/web-category/statistics

statistics attributes

Replace Object

PUT

/axapi/v3/web-category/statistics

statistics attributes

Delete Object

DELETE

/axapi/v3/web-category/statistics

statistics attributes

statistics attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'db-lookup': db-lookup; 'cloud-cache-lookup': cloud-cache-lookup; 'cloud-lookup': cloud-lookup; 'rtu-lookup': rtu-lookup; 'lookup-latency': lookup-latency; 'db-mem': db-mem; 'rtu-cache-mem': rtu-cache-mem; 'lookup-cache-mem': lookup-cache-mem;

Type: string

Supported Values: all, db-lookup, cloud-cache-lookup, cloud-lookup, rtu-lookup, lookup-latency, db-mem, rtu-cache-mem, lookup-cache-mem

stats data

	Counter	Size	Description
	db-lookup	8	db-lookup
	lookup-latency	8	lookup-latency
	rtu-cache-mem	8	rtu-cache-mem
	cloud-cache-lookup	8	cloud-cache-lookup
	lookup-cache-mem	8	lookup-cache-mem
	db-mem	8	db-mem
	cloud-lookup	8	cloud-lookup
	rtu-lookup	8	rtu-lookup

operational data

	Counter	Size	Description
	total-req-processed	number	total-req-processed
	num-dplane-threads	number	num-dplane-threads
	total-req-dropped	number	total-req-dropped
	num-lookup-threads	number	num-lookup-threads
	total-req-queue	number	total-req-queue
	total-req-lookup-processed	number	total-req-lookup-processed
	per-cpu-list		per-cpu-list

2.119.9 web-category url

URL Category

url Specification

Type	*Configuration Resource*
Element Name	url
Element URI	/axapi/v3/web-category/url
Element Attributes	url_attributes
Operational Data URI	/axapi/v3/web-category/url/oper
Schema	`url schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/url

url attributes

Get Object

GET

/axapi/v3/web-category/url

url attributes

Modify Object

POST

/axapi/v3/web-category/url

url attributes

Replace Object

PUT

/axapi/v3/web-category/url

url attributes

Delete Object

DELETE

/axapi/v3/web-category/url

url attributes

url attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	category-list		category-list
	name	string	name
	local-db-only	number	local-db-only

2.119.10 web-category web-reputation

Used for Web-Reputation Show Commands

web-reputation Specification

Type	*Configuration Resource*
Element Name	web-reputation
Element URI	/axapi/v3/web-category/web-reputation
Element Attributes	web-reputation_attributes
Operational Data URI	/axapi/v3/web-category/web-reputation/oper
Schema	`web-reputation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/web-reputation

web-reputation attributes

Get Object

GET

/axapi/v3/web-category/web-reputation

web-reputation attributes

Modify Object

POST

/axapi/v3/web-category/web-reputation

web-reputation attributes

Replace Object

PUT

/axapi/v3/web-category/web-reputation

web-reputation attributes

Delete Object

DELETE

/axapi/v3/web-category/web-reputation

web-reputation attributes

web-reputation attributes

bypassed-urls

Description: bypassed-urls is a **JSON Block**. Please see below for *bypassed-urls*

Type: Object

Refernce Object: */axapi/v3/web-category/web-reputation/bypassed-urls*

intercepted-urls

Description: intercepted-urls is a **JSON Block**. Please see below for *intercepted-urls*

Type: Object

Refernce Object: */axapi/v3/web-category/web-reputation/intercepted-urls*

url

Description: url is a **JSON Block**. Please see below for *url*

Type: Object

Refernce Object: */axapi/v3/web-category/web-reputation/url*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

url

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bypassed-urls

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

intercepted-urls

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-urls	enum	Output contains one of the following values: - true
	number-of-urls	number	number-of-urls
	url-list		url-list
	url-name	string	url-name

2.119.11 web-category web-reputation bypassed-urls

Bypassed URLS

bypassed-urls Specification

Type	*Configuration Resource*
Element Name	bypassed-urls
Element URI	/axapi/v3/web-category/web-reputation/bypassed-urls
Element Attributes	bypassed-urls_attributes
Operational Data URI	/axapi/v3/web-category/web-reputation/bypassed-urls/oper
Schema	`bypassed-urls schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/web-reputation/bypassed-urls

bypassed-urls attributes

Get Object

GET

/axapi/v3/web-category/web-reputation/bypassed-urls

bypassed-urls attributes

Modify Object

POST

/axapi/v3/web-category/web-reputation/bypassed-urls

bypassed-urls attributes

Replace Object

PUT

/axapi/v3/web-category/web-reputation/bypassed-urls

bypassed-urls attributes

Delete Object

DELETE

/axapi/v3/web-category/web-reputation/bypassed-urls

bypassed-urls attributes

bypassed-urls attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-urls	enum	Output contains one of the following values: - true
	number-of-urls	number	number-of-urls
	url-list		url-list
	url-name	string	url-name

2.119.12 web-category web-reputation intercepted-urls

Intercepted URLS

intercepted-urls Specification

Type	*Configuration Resource*
Element Name	intercepted-urls
Element URI	/axapi/v3/web-category/web-reputation/intercepted-urls
Element Attributes	intercepted-urls_attributes
Operational Data URI	/axapi/v3/web-category/web-reputation/intercepted-urls/oper
Schema	`intercepted-urls schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/web-reputation/intercepted-urls

intercepted-urls attributes

Get Object

GET

/axapi/v3/web-category/web-reputation/intercepted-urls

intercepted-urls attributes

Modify Object

POST

/axapi/v3/web-category/web-reputation/intercepted-urls

intercepted-urls attributes

Replace Object

PUT

/axapi/v3/web-category/web-reputation/intercepted-urls

intercepted-urls attributes

Delete Object

DELETE

/axapi/v3/web-category/web-reputation/intercepted-urls

intercepted-urls attributes

intercepted-urls attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-urls	enum	Output contains one of the following values: - true
	number-of-urls	number	number-of-urls
	url-list		url-list
	url-name	string	url-name

2.119.13 web-category web-reputation url

URL Reputation

url Specification

Type	*Configuration Resource*
Element Name	url
Element URI	/axapi/v3/web-category/web-reputation/url
Element Attributes	url_attributes
Operational Data URI	/axapi/v3/web-category/web-reputation/url/oper
Schema	`url schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-category/web-reputation/url

url attributes

Get Object

GET

/axapi/v3/web-category/web-reputation/url

url attributes

Modify Object

POST

/axapi/v3/web-category/web-reputation/url

url attributes

Replace Object

PUT

/axapi/v3/web-category/web-reputation/url

url attributes

Delete Object

DELETE

/axapi/v3/web-category/web-reputation/url

url attributes

url attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	reputation-score	string	reputation-score
	name	string	name
	local-db-only	number	local-db-only

2.120 web-service

Objects:

2.120.1 web-service

Configure Web Services

web-service Specification

Type	*Configuration Resource*
Element Name	web-service
Element URI	/axapi/v3/web-service
Element Attributes	web-service_attributes
Schema	`web-service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/web-service

web-service attributes

Get Object

GET

/axapi/v3/web-service

web-service attributes

Modify Object

POST

/axapi/v3/web-service

web-service attributes

Replace Object

PUT

/axapi/v3/web-service

web-service attributes

Delete Object

DELETE

/axapi/v3/web-service

web-service attributes

web-service attributes

auto-redirt-disable

Description Diable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

axapi-idle

Description Idle timeout of a xml service connection in minutes (Connection idle timeout value in minutes)

Type: number

Range: 0-60

Default: 10

axapi-session-limit

Description Set Web service axapi Session Limit (Session limit (default 30))

Type: number

Range: 1-100

Default: 30

gui-idle

Description Idle timeout of a connection in minutes (Connection idle timeout value in minutes, default 10, 0 means never timeout)

Type: number

Range: 0-60

Default: 10

gui-session-limit

Description Set the max allowed GUI sessions (Session limit (default 30))

Type: number

Range: 1-100

Default: 30

login-message

Description Set GUI login message

Type: string

Format: string-rlx

Maximum Length: 1985 characters

Maximum Length: 1 characters

port

Description Set Web Server Port (Port number(default 80))

Type: number

Range: 1-65535

Default: 80

pre-login-message

Description Set Pre GUI login message

Type: string

Format: string-rlx

Maximum Length: 1985 characters

Maximum Length: 1 characters

secure

Description: secure is a **JSON Block**. Please see below for *secure*

Type: Object

Refernce Object: */axapi/v3/web-service/secure*

secure-port

Description Set web secure server port number for listening (Secure Port Number(default 443))

Type: number

Range: 1-65535

Default: 443

secure-server-disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secure

Specification	
Type	*object*

certificate

Description: certificate is a **JSON Block**. Please see below for *secure_certificate*

Type: Object

Refernce Object: */axapi/v3/web-service/secure/certificate*

generate

Description: generate is a **JSON Block**. Please see below for *secure_generate*

Type: Object

Refernce Object: */axapi/v3/web-service/secure/generate*

private-key

Description: private-key is a **JSON Block**. Please see below for *secure_private-key*

Type: Object

Refernce Object: */axapi/v3/web-service/secure/private-key*

regenerate

Description: regenerate is a **JSON Block**. Please see below for *secure_regenerate*

Type: Object

Refernce Object: */axapi/v3/web-service/secure/regenerate*

restart

Description Restart WEB service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wipe

Description Wipe WEB private-key and certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure_certificate

Specification	
Type	*object*

file-url

Description File URL

Type: string

Format: url

load

Description Load WEB certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure_regenerate

Specification	
Type	*object*

country

Description The country name

Type: string

Maximum Length: 2 characters

Maximum Length: 2 characters

domain-name

Description The domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

state

Description The location

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

secure_generate

Specification	
Type	*object*

country

Description The country name

Type: string

Maximum Length: 2 characters

Maximum Length: 2 characters

domain-name

Description The domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

state

Description The location

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

secure_private-key

Specification	
Type	*object*

file-url

Description File URL

Type: string

Format: url

load

Description Load WEB private-key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.121 zone

Objects:

2.121.1 zone

Security zone

zone Specification

Type	*Collection*
Object Key(s)	*name*
Collection Name	*zone-list*
Collection URI	/axapi/v3/zone
Element Name	zone
Element URI	/axapi/v3/zone/{name}
Element Attributes	zone_attributes
Schema	`zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/zone

zone attributes

Create List

POST

/axapi/v3/zone

zone attributes

Get Object

GET

/axapi/v3/zone/{name}

zone attributes

Get List

GET

/axapi/v3/zone

zone-list

Modify Object

POST

/axapi/v3/zone/{name}

zone attributes

Replace Object

PUT

/axapi/v3/zone/{name}

zone attributes

Replace List

PUT

/axapi/v3/zone

zone-list

Delete Object

DELETE

/axapi/v3/zone/{name}

zone attributes

zone-list

zone-list is **JSON List** of *zone attributes*

zone-list : [

{ *zone attributes* },

{ *zone attributes* },

...

]

zone attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Refernce Object: */axapi/v3/zone/{name}/interface*

local-zone-cfg

Description: local-zone-cfg is a **JSON Block**. Please see below for *local-zone-cfg*

Type: Object

Refernce Object: */axapi/v3/zone/{name}/local-zone-cfg*

name

Description name of zone object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default: any

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description: vlan is a **JSON Block**. Please see below for *vlan*

Type: Object

Refernce Object: */axapi/v3/zone/{name}/vlan*

vlan

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

vlan_vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Refernce Object: */axapi/v3/network/vlan*

interface

Specification	
Type	*object*

ethernet-list

Type: List

lif-list

Type: List

trunk-list

Type: List

tunnel-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

interface_tunnel-list

Specification	
Type	*list*
Block object keys	

interface-tunnel-end

Description

Type: number

Refernce Object: */axapi/v3/interface/tunnel*

interface-tunnel-start

Description

Type: number

Refernce Object: */axapi/v3/interface/tunnel*

interface_ve-list

Specification	
Type	*list*
Block object keys	

interface-ve-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

interface-ve-start

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

interface_ethernet-list

Specification	
Type	*list*
Block object keys	

interface-ethernet-end

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

interface-ethernet-start

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

interface_lif-list

Specification	
Type	*list*
Block object keys	

interface-lif-end

Description

Type: number

Refernce Object: */axapi/v3/interface/lif*

interface-lif-start

Description

Type: number

Refernce Object: */axapi/v3/interface/lif*

interface_trunk-list

Specification	
Type	*list*
Block object keys	

interface-trunk-end

Description

Type: number

Refernce Object: */axapi/v3/interface/trunk*

interface-trunk-start

Description

Type: number

Refernce Object: */axapi/v3/interface/trunk*

local-zone-cfg

Specification	
Type	*object*

local-type

Description Set to local zone

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.121.2 zone interface

Interface

interface Specification

Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/zone/{name}/interface
Element Attributes	interface_attributes
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/zone/{name}/interface

interface attributes

Get Object

GET

/axapi/v3/zone/{name}/interface

interface attributes

Modify Object

POST

/axapi/v3/zone/{name}/interface

interface attributes

Replace Object

PUT

/axapi/v3/zone/{name}/interface

interface attributes

Delete Object

DELETE

/axapi/v3/zone/{name}/interface

interface attributes

interface attributes

ethernet-list

Type: List

lif-list

Type: List

trunk-list

Type: List

tunnel-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

tunnel-list

Specification	
Type	*list*
Block object keys	

interface-tunnel-end

Description

Type: number

Refernce Object: */axapi/v3/interface/tunnel*

interface-tunnel-start

Description

Type: number

Refernce Object: */axapi/v3/interface/tunnel*

ve-list

Specification	
Type	*list*
Block object keys	

interface-ve-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

interface-ve-start

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

ethernet-list

Specification	
Type	*list*
Block object keys	

interface-ethernet-end

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

interface-ethernet-start

Description

Type: number

Format: interface

Refernce Object: */axapi/v3/interface/ethernet*

lif-list

Specification	
Type	*list*
Block object keys	

interface-lif-end

Description

Type: number

Refernce Object: */axapi/v3/interface/lif*

interface-lif-start

Description

Type: number

Refernce Object: */axapi/v3/interface/lif*

trunk-list

Specification	
Type	*list*
Block object keys	

interface-trunk-end

Description

Type: number

Refernce Object: */axapi/v3/interface/trunk*

interface-trunk-start

Description

Type: number

Refernce Object: */axapi/v3/interface/trunk*

2.121.3 zone local-zone-cfg

Local zone configuration

local-zone-cfg Specification

Type	*Configuration Resource*
Element Name	local-zone-cfg
Element URI	/axapi/v3/zone/{name}/local-zone-cfg
Element Attributes	local-zone-cfg_attributes
Schema	`local-zone-cfg schema`

Operations Allowed:

Create Object

POST

/axapi/v3/zone/{name}/local-zone-cfg

local-zone-cfg attributes

Get Object

GET

/axapi/v3/zone/{name}/local-zone-cfg

local-zone-cfg attributes

Modify Object

POST

/axapi/v3/zone/{name}/local-zone-cfg

local-zone-cfg attributes

Replace Object

PUT

/axapi/v3/zone/{name}/local-zone-cfg

local-zone-cfg attributes

Delete Object

DELETE

/axapi/v3/zone/{name}/local-zone-cfg

local-zone-cfg attributes

local-zone-cfg attributes

local-type

Description Set to local zone

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.121.4 zone vlan

Vlan

vlan Specification

Type	*Configuration Resource*
Element Name	vlan
Element URI	/axapi/v3/zone/{name}/vlan
Element Attributes	vlan_attributes
Schema	`vlan schema`

Operations Allowed:

Create Object

POST

/axapi/v3/zone/{name}/vlan

vlan attributes

Get Object

GET

/axapi/v3/zone/{name}/vlan

vlan attributes

Modify Object

POST

/axapi/v3/zone/{name}/vlan

vlan attributes

Replace Object

PUT

/axapi/v3/zone/{name}/vlan

vlan attributes

Delete Object

DELETE

/axapi/v3/zone/{name}/vlan

vlan attributes

vlan attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

vlan-list

Specification	
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Refernce Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Refernce Object: */axapi/v3/network/vlan*

CHAPTER

THREE

OPERATIONAL APIS:

3.1 aam

Objects:

3.1.1 aam access-log

Access Log Info

access-log Specification

Type	*operational*
Element Name	access-log
Element URI	/axapi/v3/aam/access-log
Element Attributes	access-log_attributes
Operational Data URI	/axapi/v3/aam/access-log/oper
Schema	`access-log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/access-log

access-log attributes

access-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	access-status	string	access-status
	last	number	last
	target	string	target
	top	number	top
	log-list		log-list
	tail	number	tail
	host-name	string	host-name
	total	number	total

3.1.2 aam auth-log

Authentication Log Info

auth-log Specification

Type	*operational*
Element Name	auth-log
Element URI	/axapi/v3/aam/auth-log
Element Attributes	auth-log_attributes
Operational Data URI	/axapi/v3/aam/auth-log/oper
Schema	`auth-log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/auth-log

auth-log attributes

auth-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	last	number	last
	target	string	target
	top	number	top
	log-list		log-list
	tail	number	tail
	auth-status	string	auth-status
	total	number	total

3.1.3 aam file-category-log count-in-interval

Count in an interval

count-in-interval Specification

Type	*operational*
Element Name	count-in-interval
Element URI	/axapi/v3/aam/file-category-log/count-in-interval
Element Attributes	count-in-interval_attributes
Operational Data URI	/axapi/v3/aam/file-category-log/count-in-interval/oper
Schema	`count-in-interval schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/file-category-log/count-in-interval

count-in-interval attributes

count-in-interval attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	interval	number	interval
	log-list		log-list

3.1.4 aam file-category-log log

Log List

log Specification

Type	*operational*
Element Name	log
Element URI	/axapi/v3/aam/file-category-log/log
Element Attributes	log_attributes
Operational Data URI	/axapi/v3/aam/file-category-log/log/oper
Schema	`log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/file-category-log/log

log attributes

log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	tail	number	tail
	total	number	total
	last	number	last
	log-list		log-list

3.1.5 aam file-category-log top-destip

TOP destination IP

top-destip Specification

Type	*operational*
Element Name	top-destip
Element URI	/axapi/v3/aam/file-category-log/top-destip
Element Attributes	top-destip_attributes
Operational Data URI	/axapi/v3/aam/file-category-log/top-destip/oper
Schema	`top-destip schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/file-category-log/top-destip

top-destip attributes

top-destip attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top	number	top
	log-list		log-list

3.1.6 aam file-category-log top-fileext

Top file extention

top-fileext Specification

Type	*operational*
Element Name	top-fileext
Element URI	/axapi/v3/aam/file-category-log/top-fileext
Element Attributes	top-fileext_attributes
Operational Data URI	/axapi/v3/aam/file-category-log/top-fileext/oper
Schema	`top-fileext schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/file-category-log/top-fileext

top-fileext attributes

top-fileext attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top	number	top
	log-list		log-list

3.1.7 aam file-category-log top-filename

TOP filename

top-filename Specification

Type	*operational*
Element Name	top-filename
Element URI	/axapi/v3/aam/file-category-log/top-filename
Element Attributes	top-filename_attributes
Operational Data URI	/axapi/v3/aam/file-category-log/top-filename/oper
Schema	`top-filename schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/file-category-log/top-filename

top-filename attributes

top-filename attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top	number	top
	log-list		log-list

3.1.8 aam file-category-log top-srcip

Top source IP

top-srcip Specification

Type	*operational*
Element Name	top-srcip
Element URI	/axapi/v3/aam/file-category-log/top-srcip
Element Attributes	top-srcip_attributes
Operational Data URI	/axapi/v3/aam/file-category-log/top-srcip/oper
Schema	`top-srcip schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/file-category-log/top-srcip

top-srcip attributes

top-srcip attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top	number	top
	log-list		log-list

3.1.9 aam file-category-log top-url

Top url

top-url Specification

Type	*operational*
Element Name	top-url
Element URI	/axapi/v3/aam/file-category-log/top-url
Element Attributes	top-url_attributes
Operational Data URI	/axapi/v3/aam/file-category-log/top-url/oper
Schema	`top-url schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/aam/file-category-log/top-url

top-url attributes

top-url attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	top	number	top
	log-list		log-list

3.2 access-list

Objects:

3.2.1 access-list summary

summary Specification

Type	*operational*
Element Name	summary
Element URI	/axapi/v3/access-list/summary
Element Attributes	summary_attributes
Operational Data URI	/axapi/v3/access-list/summary/oper
Schema	`summary schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/access-list/summary

summary attributes

summary attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	acl-list		acl-list

3.3 active-partition

Objects:

3.3.1 active-partition

Change active partition

active-partition Specification

Type	*operational*
Element Name	active-partition
Element URI	/axapi/v3/active-partition
Element Attributes	active-partition_attributes
Schema	`active-partition schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/active-partition

active-partition attributes

active-partition attributes

curr_part_name

Description current active patition

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

shared

Description Shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.4 admin

Objects:

3.4.1 admin aws-accesskey

Config AWS authorized access key

aws-accesskey Specification

Type	*operational*
Element Name	aws-accesskey
Element URI	/axapi/v3/admin/{user}/aws-accesskey
Element Attributes	aws-accesskey_attributes
Schema	`aws-accesskey schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/admin/{user}/aws-accesskey

aws-accesskey attributes

aws-accesskey attributes

delete

Description Delete an authorized aws accesskey

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-url

Description File URL

Type: string

Format: url

import

Description Import an aws-accesskey

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show

Description Show authorized aws accesskey

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.4.2 admin azure-cred

Config Azure credentials

azure-cred Specification

Type	*operational*
Element Name	azure-cred
Element URI	/axapi/v3/admin/{user}/azure-cred
Element Attributes	azure-cred_attributes
Schema	`azure-cred schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/admin/{user}/azure-cred

azure-cred attributes

azure-cred attributes

delete

Description Delete an authorized Azure credentials

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-url

Description File URL

Type: string

Format: url

import

Description Import an azure-credentials

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show

Description Show authorized azure credentials

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.4.3 admin ssh-pubkey

Config openssh authorized public keys management

ssh-pubkey Specification

Type	*operational*
Element Name	ssh-pubkey
Element URI	/axapi/v3/admin/{user}/ssh-pubkey
Element Attributes	ssh-pubkey_attributes
Schema	`ssh-pubkey schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/admin/{user}/ssh-pubkey

ssh-pubkey attributes

ssh-pubkey attributes

delete

Description Delete an authorized public key (SSH key index)

Type: number

Range: 1-1000000

file-url

Description File URL

Type: string

Format: url

import

Description Import an authorized public key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

list

Description List all authorized public keys

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.5 admin-detail

Objects:

3.5.1 admin-detail

get admin user priviledge

admin-detail Specification

Type	*operational*
Element Name	admin-detail
Element URI	/axapi/v3/admin-detail
Element Attributes	admin-detail_attributes
Operational Data URI	/axapi/v3/admin-detail/oper
Schema	`admin-detail schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/admin-detail

admin-detail attributes

admin-detail attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	user-list		user-list

3.6 admin-session

Objects:

3.6.1 admin-session

Admin session management

admin-session Specification

Type	*operational*
Element Name	admin-session
Element URI	/axapi/v3/admin-session
Element Attributes	admin-session_attributes
Operational Data URI	/axapi/v3/admin-session/oper
Schema	`admin-session schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/admin-session

admin-session attributes

admin-session attributes

all

Description Clear all admin sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear

Description clear admin session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sid

Description Session ID

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	session-list		session-list

3.7 automatic-update

Objects:

3.7.1 automatic-update check-now

Manually check for update now

check-now Specification

Type	*operational*
Element Name	check-now
Element URI	/axapi/v3/automatic-update/check-now
Element Attributes	check-now_attributes
Schema	`check-now schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/automatic-update/check-now

check-now attributes

check-now attributes

feature-name

Description 'app-fw': Application Firewall;

Type: string

Supported Values: app-fw, ca-bundle, a10-threat-intel

from-staging-server

Description Get files from GLM Staging storage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prod-ver

Description update to this specific version, if this option is not configured, update to the latest version

Type: string

Maximum Length: 70 characters

Maximum Length: 1 characters

stage-ver

Description update this specific version

Type: string

Maximum Length: 70 characters

Maximum Length: 1 characters

3.7.2 automatic-update checknow

Manually check for update from axapi

checknow Specification

Type	*operational*
Element Name	checknow
Element URI	/axapi/v3/automatic-update/checknow
Element Attributes	checknow_attributes
Statistics Data URI	/axapi/v3/automatic-update/checknow/stats
Operational Data URI	/axapi/v3/automatic-update/checknow/oper
Schema	`checknow schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/automatic-update/checknow

checknow attributes

checknow attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	dummy	8	Entry for a10countergen

operational data

	Counter	Size	Description
	feature-name	string	feature-name
	result	string	result

3.7.3 automatic-update info

automatic-update information opers

info Specification

Type	*operational*
Element Name	info
Element URI	/axapi/v3/automatic-update/info
Element Attributes	info_attributes
Statistics Data URI	/axapi/v3/automatic-update/info/stats
Operational Data URI	/axapi/v3/automatic-update/info/oper
Schema	`info schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/automatic-update/info

info attributes

info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	dummy	8	Entry for a10countergen

operational data

	Counter	Size	Description
	feature-list		feature-list

3.7.4 automatic-update reset

Manually reset to default software version

reset Specification

Type	*operational*
Element Name	reset
Element URI	/axapi/v3/automatic-update/reset
Element Attributes	reset_attributes
Schema	`reset schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/automatic-update/reset

reset attributes

reset attributes

feature-name

Description 'app-fw': Application Firewall;

Type: string

Supported Values: app-fw, ca-bundle

3.7.5 automatic-update revert

Manually revert to previous software version

revert Specification

Type	*operational*
Element Name	revert
Element URI	/axapi/v3/automatic-update/revert
Element Attributes	revert_attributes
Schema	`revert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/automatic-update/revert

revert attributes

revert attributes

feature-name

Description 'app-fw': Application Firewall;

Type: string

Supported Values: app-fw, a10-threat-intel

3.8 axdebug

Objects:

3.8.1 axdebug apply-config

Apply AXDebug config file

apply-config Specification

Type	*operational*
Element Name	apply-config
Element URI	/axapi/v3/axdebug/apply-config
Element Attributes	apply-config_attributes
Schema	`apply-config schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/axdebug/apply-config

apply-config attributes

apply-config attributes

config-file

Description config file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

3.8.2 axdebug capture

Dump packets

capture Specification

Type	*operational*
Element Name	capture
Element URI	/axapi/v3/axdebug/capture
Element Attributes	capture_attributes
Schema	`capture schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/axdebug/capture

capture attributes

capture attributes

brief

Description Print basic packet information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

current-slot

Description Only for current-slot of chassis

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Include packet payload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-stop

Description Non-stop execution

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

save

Description Save packets into file (Specify filename to save packets)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

3.8.3 axdebug delete

delete axdebug file

delete Specification

Type	*operational*
Element Name	delete
Element URI	/axapi/v3/axdebug/delete
Element Attributes	delete_attributes
Schema	`delete schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/axdebug/delete

delete attributes

delete attributes

capture-file

Description Delete a capture file (Specify target filename to change)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

config-file

Description Delete AXDebug config file (Specify target filename to change)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

3.8.4 axdebug exit

exit from axdebug and stop capture

exit Specification

Type	*operational*
Element Name	exit
Element URI	/axapi/v3/axdebug/exit
Element Attributes	exit_attributes
Schema	`exit schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/axdebug/exit

exit attributes

exit attributes

stop-capture

Description stop capture traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.8.5 axdebug save-config

save AXDebug config file

save-config Specification

Type	*operational*
Element Name	save-config
Element URI	/axapi/v3/axdebug/save-config
Element Attributes	save-config_attributes
Schema	`save-config schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/axdebug/save-config

save-config attributes

save-config attributes

config-file

Description config file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

default

Description save to default config file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.9 backup

Objects:

3.9.1 backup

Backup system files

backup Specification

Type	*operational*
Element Name	backup
Element URI	/axapi/v3/backup
Element Attributes	backup_attributes
Schema	`backup schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/backup

backup attributes

backup attributes

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

Refernce Object: */axapi/v3/backup/log*

status

Description: status is a **JSON Block**. Please see below for *status*

Type: Object

Refernce Object: */axapi/v3/backup/status*

store

Description: store is a **JSON Block**. Please see below for *store*

Type: Object

Refernce Object: */axapi/v3/backup/store*

system

Description: system is a **JSON Block**. Please see below for *system*

Type: Object

Refernce Object: */axapi/v3/backup/system*

status

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system

Specification	
Type	*object*

encrypt

Description Encrypt the backup file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

store-name

Description Save backup store information

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

store

Specification	
Type	*object*

creat-cfg

Description: creat-cfg is a **JSON Block**. Please see below for *store_creat-cfg*

Type: Object

delete-cfg

Description: delete-cfg is a **JSON Block**. Please see below for *store_delete-cfg*

Type: Object

store_delete-cfg

Specification	
Type	*object*

delete

Description Delete store

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

store-name-del

Description profile name for deleting

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

store_creat-cfg

Specification	
Type	*object*

create

Description Create store

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description profile name for remote url

Type: string

Format: url

store-name

Description profile name to store remote url

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

log

Specification	
Type	*object*

all

Description all log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

date

Description specify number of days

Type: number

Range: 1-31

day

Description Most recent day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expedite

Description Expedite the Backup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

month

Description Most recent month

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

period

Description Specify backup period

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description profile name for remote url

Type: string

Format: url

stats-data

Description Backup web statistical data

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

store-name

Description Save backup store information

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

week

Description Most recent week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.9.2 backup log

Backup log files

log Specification

Type	*operational*
Element Name	log
Element URI	/axapi/v3/backup/log
Element Attributes	log_attributes
Schema	`log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/backup/log

log attributes

log attributes

all

Description all log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

date

Description specify number of days

Type: number

Range: 1-31

day

Description Most recent day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expedite

Description Expedite the Backup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

month

Description Most recent month

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

period

Description Specify backup period

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description profile name for remote url

Type: string

Format: url

stats-data

Description Backup web statistical data

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

store-name

Description Save backup store information

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

week

Description Most recent week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.9.3 backup status

Get backup system or backup log status

status Specification

Type	*operational*
Element Name	status
Element URI	/axapi/v3/backup/status
Element Attributes	status_attributes
Operational Data URI	/axapi/v3/backup/status/oper
Schema	`status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/backup/status

status attributes

status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	status	number	status
	message	string	message

3.9.4 backup store

Save backup store information

store Specification

Type	*operational*
Element Name	store
Element URI	/axapi/v3/backup/store
Element Attributes	store_attributes
Schema	`store schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/backup/store

store attributes

store attributes

creat-cfg

Description: creat-cfg is a **JSON Block**. Please see below for *creat-cfg*

Type: Object

delete-cfg

Description: delete-cfg is a **JSON Block**. Please see below for *delete-cfg*

Type: Object

delete-cfg

Specification	
Type	*object*

delete

Description Delete store

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

store-name-del

Description profile name for deleting

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

creat-cfg

Specification	
Type	*object*

create

Description Create store

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description profile name for remote url

Type: string

Format: url

store-name

Description profile name to store remote url

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

3.9.5 backup system

Backup system files

system Specification

Type	*operational*
Element Name	system
Element URI	/axapi/v3/backup/system
Element Attributes	system_attributes
Schema	`system schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/backup/system

system attributes

system attributes

encrypt

Description Encrypt the backup file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

store-name

Description Save backup store information

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.10 boot-block-fix

Objects:

3.10.1 boot-block-fix

Fix booting problem

boot-block-fix Specification

Type	*operational*
Element Name	boot-block-fix
Element URI	/axapi/v3/boot-block-fix
Element Attributes	boot-block-fix_attributes
Schema	`boot-block-fix schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/boot-block-fix

boot-block-fix attributes

boot-block-fix attributes

cf

Description Compact flash

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hd

Description Hard disk

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.11 bootimage

Objects:

3.11.1 bootimage

Set next Boot Image

bootimage Specification

Type	*operational*
Element Name	bootimage
Element URI	/axapi/v3/bootimage
Element Attributes	bootimage_attributes
Operational Data URI	/axapi/v3/bootimage/oper
Schema	`bootimage schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/bootimage

bootimage attributes

bootimage attributes

cf-cfg

Description: cf-cfg is a **JSON Block**. Please see below for *cf-cfg*

Type: Object

hd-cfg

Description: hd-cfg is a **JSON Block**. Please see below for *hd-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hd-cfg

Specification	
Type	*object*

hd

Description Hard disk

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri

Description Primary image

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec

Description Secondary image

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cf-cfg

Specification	
Type	*object*

cf

Description Compact flash

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cf-pri

Description Primary image

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

operational data

	Counter	Size	Description
	hd-sec	string	hd-sec
	cf-default	string	cf-default
	hd-pri	string	hd-pri
	cf-pri	string	cf-pri
	cf-sec	string	cf-sec
	hd-default	string	hd-default

3.12 cgnv6

Objects:

3.12.1 cgnv6 fixed-nat disable

Disable fixed-nat configuration (Operation)

disable Specification

Type	*operational*
Element Name	disable
Element URI	/axapi/v3/cgnv6/fixed-nat/disable
Element Attributes	disable_attributes
Schema	`disable schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/cgnv6/fixed-nat/disable

disable attributes

disable attributes

clear-session

Description Clear all sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside-end-v4address

Description IPv4 Inside User End Address

Type: string

Format: ipv4-address

inside-end-v6address

Description IPv6 Inside User End Address

Type: string

Format: ipv6-address

inside-start-v4address

Description IPv4 Inside User Start Address

Type: string

Format: ipv4-address

inside-start-v6address

Description IPv6 Inside User Start Address

Type: string

Format: ipv6-address

ip-list

Description Name of IP List used to specify Inside Users

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition

Description Inside User Partition (Partition Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

v4-netmask

Description IPv4 Netmask

Type: string

Format: ipv4-netmask-brief

v6-netmask

Description Inside User IPv6 Netmask

Type: number

Range: 64-128

3.12.2 cgnv6 lw-4o6 binding-table

Configure LW-4over6 Binding Table

binding-table Specification

Type	*operational*
Object Key(s)	*name*
Element Name	binding-table
Element URI	/axapi/v3/cgnv6/lw-4o6/binding-table/{name}
Element Attributes	binding-table_attributes
Schema	`binding-table schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/cgnv6/lw-4o6/binding-table/{name}

binding-table attributes

binding-table-list

binding-table-list is **JSON List** of *binding-table attributes*

binding-table-list : [

{ *binding-table attributes* },

{ *binding-table attributes* },

...

]

binding-table attributes

name

Description LW-4over6 Binding Table Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tunnel-address-list

Specification	
Type	*list*
Block object keys	

ipv6-tunnel-addr

Description Tunnel IPv6 Endpoint Address

Type: string

Format: ipv6-address

nat-address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tunnel-address-list_nat-address-list

Specification	
Type	*list*
Block object keys	

ipv4-nat-addr

Description NAT IPv4 Address

Type: string

Format: ipv4-address

port-range-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}/port-range/{port-start}+{port-end}+{tunnel-endpoint-address}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tunnel-address-list_nat-address-list_port-range-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range End

Type: number

Range: 1-65535

port-start

Description Single Port or Port Range Start

Type: number

Range: 1-65535

tunnel-endpoint-address

Description Configure LW-4over6 IPIP Tunnel Endpoint Address (LW-4over6 Tunnel Endpoint Address)

Type: string

Format: ipv6-address

3.12.3 cgnv6 lw-4o6 binding-table tunnel-address

Tunnel IPv6 Endpoint Address

tunnel-address Specification

Type	*operational*
Object Key(s)	*ipv6-tunnel-addr*
Element Name	tunnel-address
Element URI	/axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}
Element Attributes	tunnel-address_attributes
Schema	`tunnel-address schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}

tunnel-address attributes

tunnel-address-list

tunnel-address-list is **JSON List** of *tunnel-address attributes*

tunnel-address-list : [

{ *tunnel-address attributes* },

{ *tunnel-address attributes* },

...

]

tunnel-address attributes

ipv6-tunnel-addr

Description Tunnel IPv6 Endpoint Address

Type: string

Format: ipv6-address

nat-address-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

nat-address-list

Specification	
Type	*list*
Block object keys	

ipv4-nat-addr

Description NAT IPv4 Address

Type: string

Format: ipv4-address

port-range-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}/port-range/{port-start}+{port-end}+{tunnel-endpoint-address}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

nat-address-list_port-range-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range End

Type: number

Range: 1-65535

port-start

Description Single Port or Port Range Start

Type: number

Range: 1-65535

tunnel-endpoint-address

Description Configure LW-4over6 IPIP Tunnel Endpoint Address (LW-4over6 Tunnel Endpoint Address)

Type: string

Format: ipv6-address

3.12.4 cgnv6 lw-4o6 binding-table tunnel-address nat-address

NAT IPv4 address

nat-address Specification

Type	*operational*
Object Key(s)	*ipv4-nat-addr*
Element Name	nat-address
Element URI	/axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}
Element Attributes	nat-address_attributes
Schema	`nat-address schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}

nat-address attributes

nat-address-list

nat-address-list is **JSON List** of *nat-address attributes*

nat-address-list : [

{ *nat-address attributes* },

{ *nat-address attributes* },

...

]

nat-address attributes

ipv4-nat-addr

Description NAT IPv4 Address

Type: string

Format: ipv4-address

port-range-list

Type: List

Refernce Object: */axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}/port-range/{port-start}+{port-end}+{tunnel-endpoint-address}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

port-range-list

Specification	
Type	*list*
Block object keys	

port-end

Description Port Range End

Type: number

Range: 1-65535

port-start

Description Single Port or Port Range Start

Type: number

Range: 1-65535

tunnel-endpoint-address

Description Configure LW-4over6 IPIP Tunnel Endpoint Address (LW-4over6 Tunnel Endpoint Address)

Type: string

Format: ipv6-address

3.12.5 cgnv6 lw-4o6 binding-table tunnel-address nat-address port-range

Single Port or Port Range Start

port-range Specification

Type	*operational*
Object Key(s)	*port-start, port-end, tunnel-endpoint-address*
Element Name	port-range
Element URI	/axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}/port-range/{port-start}+{port-end}+{tunnel-endpoint-address}
Element Attributes	port-range_attributes
Schema	`port-range schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/cgnv6/lw-4o6/binding-table/{name}/tunnel-address/{ipv6-tunnel-addr}/nat-address/{ipv4-nat-addr}/port-range/{port-start}+{port-end}+{tunnel-endpoint-address}

port-range attributes

port-range-list

port-range-list is **JSON List** of *port-range attributes*

port-range-list : [

{ *port-range attributes* },

{ *port-range attributes* },

...

]

port-range attributes

port-end

Description Port Range End

Type: number

Range: 1-65535

port-start

Description Single Port or Port Range Start

Type: number

Range: 1-65535

tunnel-endpoint-address

Description Configure LW-4over6 IPIP Tunnel Endpoint Address (LW-4over6 Tunnel Endpoint Address)

Type: string

Format: ipv6-address

3.12.6 cgnv6 lw-4o6 binding-table-validate

Check for errors in LW-4over6 Binding Table

binding-table-validate Specification

Type	*operational*
Element Name	binding-table-validate
Element URI	/axapi/v3/cgnv6/lw-4o6/binding-table-validate
Element Attributes	binding-table-validate_attributes
Schema	`binding-table-validate schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/cgnv6/lw-4o6/binding-table-validate

binding-table-validate attributes

binding-table-validate attributes

binding-name

Description LW-4over6 Binding Table Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

3.12.7 cgnv6 scaleout address-mapping

address-mapping Specification

Type	*operational*
Element Name	address-mapping
Element URI	/axapi/v3/cgnv6/scaleout/address-mapping
Element Attributes	address-mapping_attributes
Operational Data URI	/axapi/v3/cgnv6/scaleout/address-mapping/oper
Schema	`address-mapping schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/cgnv6/scaleout/address-mapping

address-mapping attributes

address-mapping attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	active-node	number	active-node
	user-group	number	user-group
	standby-node	number	standby-node
	ip	ipv4-address	ip
	nat-ip	ipv4-address	nat-ip
	nat-pool	string	nat-pool
	ip-list		ip-list
	ipv6	ipv6-address	ipv6

3.13 chassis-info

Objects:

3.13.1 chassis-info

Info regarding the chassis state

chassis-info Specification

Type	*operational*
Element Name	chassis-info
Element URI	/axapi/v3/chassis-info
Element Attributes	chassis-info_attributes
Schema	`chassis-info schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/chassis-info

chassis-info attributes

chassis-info attributes

brief

Description Give brief Chassis State Info

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.14 chassis-infra

Objects:

3.14.1 chassis-infra

Chassis infrastructure commands

chassis-infra Specification

Type	*operational*
Element Name	chassis-infra
Element URI	/axapi/v3/chassis-infra
Element Attributes	chassis-infra_attributes
Schema	`chassis-infra schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/chassis-infra

chassis-infra attributes

chassis-infra attributes

debug-disable

Description Disable chassis infrastruture debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

debug-enable

Description Enable chassis infrastruture debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

debug-status

Description Show chassis infrastruture debugging status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detailed

Description Give Chassis filesystem info(USED BY TAC ONLY)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sys-sync

Description Synchronize the Master and Blade filesystems (For A10 TAC Use Only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-sync-verify

Description Validate chassis filesytem synchronization status (For A10 TAC Use Only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.15 clock

Objects:

3.15.1 clock

Configure time-of-day Clock

clock Specification

Type	*operational*
Element Name	clock
Element URI	/axapi/v3/clock
Element Attributes	clock_attributes
Schema	`clock schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/clock

clock attributes

clock attributes

set

Description: set is a **JSON Block**. Please see below for *set*

Type: Object

Refernce Object: */axapi/v3/clock/set*

show

Description: show is a **JSON Block**. Please see below for *show*

Type: Object

Refernce Object: */axapi/v3/clock/show*

set

Specification	
Type	*object*

time-cfg

Description: time-cfg is a **JSON Block**. Please see below for *set_time-cfg*

Type: Object

set_time-cfg

Specification	
Type	*object*

day-of-month

Description Day of the Month

Type: number

Range: 1-31

day-of-month-2

Description Day of the Month

Type: number

Range: 1-31

month

Description 'January': Month of the year; 'February': Month of the year; 'March': Month of the year; 'April': Month of the year; 'May': Month of the year; 'June': Month of the year; 'July': Month of the year; 'August': Month of the year; 'September': Month of the year; 'October': Month of the year; 'November': Month of the year; 'December': Month of the year;

Type: string

Supported Values: January, February, March, April, May, June, July, August, September, October, November, December

month-2

Description 'January': Month of the year; 'February': Month of the year; 'March': Month of the year; 'April': Month of the year; 'May': Month of the year; 'June': Month of the year; 'July': Month of the year; 'August': Month of the year; 'September': Month of the year; 'October': Month of the year; 'November': Month of the year; 'December': Month of the year;

Type: string

Supported Values: January, February, March, April, May, June, July, August, September, October, November, December

time

Description Current Time

Type: string

Format: time

year

Description Year

Type: number

Range: 2005-2035

show

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.15.2 clock set

Set the Time and Date

set Specification

Type	*operational*
Element Name	set
Element URI	/axapi/v3/clock/set
Element Attributes	set_attributes
Schema	`set schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/clock/set

set attributes

set attributes

time-cfg

Description: time-cfg is a **JSON Block**. Please see below for *time-cfg*

Type: Object

time-cfg

Specification	
Type	*object*

day-of-month

Description Day of the Month

Type: number

Range: 1-31

day-of-month-2

Description Day of the Month

Type: number

Range: 1-31

month

Description 'January': Month of the year; 'February': Month of the year; 'March': Month of the year; 'April': Month of the year; 'May': Month of the year; 'June': Month of the year; 'July': Month of the year; 'August': Month of the year; 'September': Month of the year; 'October': Month of the year; 'November': Month of the year; 'December': Month of the year;

Type: string

Supported Values: January, February, March, April, May, June, July, August, September, October, November, December

month-2

Description 'January': Month of the year; 'February': Month of the year; 'March': Month of the year; 'April': Month of the year; 'May': Month of the year; 'June': Month of the year; 'July': Month of the year; 'August': Month of the year; 'September': Month of the year; 'October': Month of the year; 'November': Month of the year; 'December': Month of the year;

Type: string

Supported Values: January, February, March, April, May, June, July, August, September, October, November, December

time

Description Current Time

Type: string

Format: time

year

Description Year

Type: number

Range: 2005-2035

3.15.3 clock show

Configure time-of-day Clock

show Specification

Type	*operational*
Element Name	show
Element URI	/axapi/v3/clock/show
Element Attributes	show_attributes
Operational Data URI	/axapi/v3/clock/show/oper
Schema	`show schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/clock/show

show attributes

show attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	time	string	time
	offset	string	offset
	date	string	date
	timezone	string	timezone
	source-type	number	source-type
	day	string	day

3.16 cmcov

Objects:

3.16.1 cmcov

CM code coverage

cmcov Specification

Type	*operational*
Element Name	cmcov
Element URI	/axapi/v3/cmcov
Element Attributes	cmcov_attributes
Schema	`cmcov schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/cmcov

cmcov attributes

cmcov attributes

dump

Description Dump code coverage data and and generate report}

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export

Description Export code coverage report

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.17 config-filter

Objects:

3.17.1 config-filter

Filter for config-replace-{start/end}

config-filter Specification

Type	*operational*
Element Name	config-filter
Element URI	/axapi/v3/config-filter
Element Attributes	config-filter_attributes
Schema	`config-filter schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/config-filter

config-filter attributes

config-filter attributes

action

Description 'skip': Skip current lineage during replace; 'accept': Skip other lineages during replace;

Type: string

Supported Values: skip, accept

lineage

Description lineage to filter

Type: string

Format: string-rlx

Maximum Length: 256 characters

Maximum Length: 1 characters

3.18 config-sync-status

Objects:

3.18.1 config-sync-status

display config sync status for all partitions

config-sync-status Specification

Type	*operational*
Element Name	config-sync-status
Element URI	/axapi/v3/config-sync-status
Element Attributes	config-sync-status_attributes
Operational Data URI	/axapi/v3/config-sync-status/oper
Schema	`config-sync-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/config-sync-status

config-sync-status attributes

config-sync-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	config-sync-list		config-sync-list

3.19 configure

Objects:

3.19.1 configure

Configure sync Commands

configure Specification

Type	*Intermediate Resource*
Element Name	configure
Element URI	/axapi/v3/configure
Element Attributes	configure_attributes
Schema	`configure schema`

Operations Allowed:

Get Object

GET

/axapi/v3/configure

configure_attributes

configure attributes

sync

Description: sync is a **JSON Block**. Please see below for *sync*

Type: Object

Refernce Object: */axapi/v3/configure/sync*

sync

Specification	
Type	*object*

address

Description Specify the destination ip address to sync

Type: string

Format: ipv4-address

all-partitions

Description All partition configurations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-authentication

Description Authenticate with local username and password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

partition-name

Description Partition name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

private-key

Description Use private key for authentication

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

pwd

Description

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

pwd-enc

Description

shared

Description Shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type

Description 'running': Sync local running to peer's running configuration; 'all': Sync local running to peer's running configuration, and local startup to peer's startup configuration;

Type: string

Supported Values: running, all

usr

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

3.19.2 configure sync

Sync operation

sync Specification

Type	*operational*
Element Name	sync
Element URI	/axapi/v3/configure/sync
Element Attributes	sync_attributes
Schema	`sync schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/configure/sync

sync attributes

sync attributes

address

Description Specify the destination ip address to sync

Type: string

Format: ipv4-address

all-partitions

Description All partition configurations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-authentication

Description Authenticate with local username and password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

partition-name

Description Partition name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

private-key

Description Use private key for authentication

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

pwd

Description

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

pwd-enc

Description

shared

Description Shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type

Description 'running': Sync local running to peer's running configuration; 'all': Sync local running to peer's running configuration, and local startup to peer's startup configuration;

Type: string

Supported Values: running, all

usr

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

3.20 copy

Objects:

3.20.1 copy

Copy configuration to/from remote server

copy Specification

Type	*operational*
Element Name	copy
Element URI	/axapi/v3/copy
Element Attributes	copy_attributes
Schema	`copy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/copy

copy attributes

copy attributes

dest-profile

Description Local Configuration Profile Name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

dest-remote-file

Description Remote file path

Type: string

Format: url

dest-use-mgmt-port

Description Use management port as destination port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

profile

Description From Startup-config Profile

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

remote-file

Description Remote file path

Type: string

Format: url

running-config

Description From Running Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

startup-config

Description From Startup Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

to-profile

Description To Local Configuration Profile

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

to-running-config

Description To Running Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

to-startup-config

Description To Startup Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.21 debug

Objects:

3.21.1 debug a10support

Enter the password

a10support Specification

Type	*operational*
Element Name	a10support
Element URI	/axapi/v3/debug/a10support
Element Attributes	a10support_attributes
Schema	`a10support schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/a10support

a10support attributes

a10support attributes

duration

Description Duration in minutes

Type: number

Range: 1-10080

Default: 2

password

Description Password to be set

Type: string

Format: password

Maximum Length: 24 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.2 debug aflow

Debug aFlow

aflow Specification

Type	*operational*
Element Name	aflow
Element URI	/axapi/v3/debug/aflow
Element Attributes	aflow_attributes
Schema	`aflow schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/aflow

aflow attributes

aflow attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.3 debug all

All logging debug switches

all Specification

Type	*operational*
Element Name	all
Element URI	/axapi/v3/debug/all
Element Attributes	all_attributes
Schema	`all schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/all

all attributes

all attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.4 debug appcls

Debug application classification

appcls Specification

Type	*operational*
Element Name	appcls
Element URI	/axapi/v3/debug/appcls
Element Attributes	appcls_attributes
Schema	`appcls schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/appcls

appcls attributes

appcls attributes

level

Description '1': Display critical errors only; '2': Display all unusual results; '3': Display all appcls engine information;

Type: string

Supported Values: 1, 2, 3

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.5 debug auth

Debug authentication

auth Specification

Type	*operational*
Element Name	auth
Element URI	/axapi/v3/debug/auth
Element Attributes	auth_attributes
Schema	`auth schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/auth

auth attributes

auth attributes

authd

Description enable detail authd log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-addr

Description Filter SAML logs by client IP address

Type: string

Format: ipv4-address

level

Description '1': Diagnose Problems; '2': Detail packet flow;

Type: string

Supported Values: 1, 2

saml

Description Enable debug SAML authentication logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml-sp

Description Filter SAML logs by SAML service provider name (SAML SP name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

username

Description Show the logs of specific username (User name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-server

Description Show the logs of specific virtual-server (Virtual-server name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

3.21.6 debug backtrace

add backtrace into rima_log

backtrace Specification

Type	*operational*
Element Name	backtrace
Element URI	/axapi/v3/debug/backtrace
Element Attributes	backtrace_attributes
Schema	`backtrace schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/backtrace

backtrace attributes

backtrace attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.7 debug bgp

Debug Border Gateway Protocol (BGP)

bgp Specification

Type	*operational*
Element Name	bgp
Element URI	/axapi/v3/debug/bgp
Element Attributes	bgp_attributes
Schema	`bgp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/bgp

bgp attributes

bgp attributes

all

Description all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening

Description BGP Dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description BGP events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filters

Description BGP filters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fsm

Description BGP Finite State Machine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

in

Description Inbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keepalives

Description BGP keepalives

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nht

Description NHT message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description NSM message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

updates

Description BGP updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.8 debug bridge-vlan-group

Debug bridge vlan traffic

bridge-vlan-group Specification

Type	*operational*
Element Name	bridge-vlan-group
Element URI	/axapi/v3/debug/bridge-vlan-group
Element Attributes	bridge-vlan-group_attributes
Schema	`bridge-vlan-group schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/bridge-vlan-group

bridge-vlan-group attributes

bridge-vlan-group attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.9 debug cache

Debug RAM caching

cache Specification

Type	*operational*
Element Name	cache
Element URI	/axapi/v3/debug/cache
Element Attributes	cache_attributes
Schema	`cache schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/cache

cache attributes

cache attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.10 debug cgn

CGN packet debugging

cgn Specification

Type	*operational*
Element Name	cgn
Element URI	/axapi/v3/debug/cgn
Element Attributes	cgn_attributes
Schema	`cgn schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/cgn

cgn attributes

cgn attributes

drops

Description Debug logs for packet drops in CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description Debug logs for errors in CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.11 debug cli

CLI module parameters

cli Specification

Type	*operational*
Element Name	cli
Element URI	/axapi/v3/debug/cli
Element Attributes	cli_attributes
Schema	`cli schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/cli

cli attributes

cli attributes

all

Description CLI all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

io

Description CLI debug input-output switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parser

Description CLI debug parser switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.12 debug conn-reuse

Debug connection reuse

conn-reuse Specification

Type	*operational*
Element Name	conn-reuse
Element URI	/axapi/v3/debug/conn-reuse
Element Attributes	conn-reuse_attributes
Schema	`conn-reuse schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/conn-reuse

conn-reuse attributes

conn-reuse attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.13 debug cpu

Debug CPU

cpu Specification

Type	*operational*
Element Name	cpu
Element URI	/axapi/v3/debug/cpu
Element Attributes	cpu_attributes
Schema	`cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/cpu

cpu attributes

cpu attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.14 debug diameter

Debug diameter proxy

diameter Specification

Type	*operational*
Element Name	diameter
Element URI	/axapi/v3/debug/diameter
Element Attributes	diameter_attributes
Schema	`diameter schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/diameter

diameter attributes

diameter attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.15 debug dns-cache

Debug DNS cache

dns-cache Specification

Type	*operational*
Element Name	dns-cache
Element URI	/axapi/v3/debug/dns-cache
Element Attributes	dns-cache_attributes
Schema	`dns-cache schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/dns-cache

dns-cache attributes

dns-cache attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.16 debug dns-rrl

Debug DNS Response-Rate-Limiting

dns-rrl Specification

Type	*operational*
Element Name	dns-rrl
Element URI	/axapi/v3/debug/dns-rrl
Element Attributes	dns-rrl_attributes
Schema	`dns-rrl schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/dns-rrl

dns-rrl attributes

dns-rrl attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.17 debug drop

Debug Packet Drop

drop Specification

Type	*operational*
Element Name	drop
Element URI	/axapi/v3/debug/drop
Element Attributes	drop_attributes
Schema	`drop schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/drop

drop attributes

drop attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.18 debug dumpthread

Generate system threads info

dumpthread Specification

Type	*operational*
Element Name	dumpthread
Element URI	/axapi/v3/debug/dumpthread
Element Attributes	dumpthread_attributes
Schema	`dumpthread schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/dumpthread

dumpthread attributes

dumpthread attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.19 debug es

Debug external service

es Specification

Type	*operational*
Element Name	es
Element URI	/axapi/v3/debug/es
Element Attributes	es_attributes
Schema	`es schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/es

es attributes

es attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.20 debug fix

Debug FIX Proxy

fix Specification

Type	*operational*
Element Name	fix
Element URI	/axapi/v3/debug/fix
Element Attributes	fix_attributes
Schema	`fix schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/fix

fix attributes

fix attributes

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.21 debug ftp

Debug FTP

ftp Specification

Type	*operational*
Element Name	ftp
Element URI	/axapi/v3/debug/ftp
Element Attributes	ftp_attributes
Schema	`ftp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ftp

ftp attributes

ftp attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.22 debug ftp-proxy

Debug FTP Proxy

ftp-proxy Specification

Type	*operational*
Element Name	ftp-proxy
Element URI	/axapi/v3/debug/ftp-proxy
Element Attributes	ftp-proxy_attributes
Schema	`ftp-proxy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ftp-proxy

ftp-proxy attributes

ftp-proxy attributes

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.23 debug fw

Debug DCFW

fw Specification

Type	*operational*
Element Name	fw
Element URI	/axapi/v3/debug/fw
Element Attributes	fw_attributes
Schema	`fw schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/fw

fw attributes

fw attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.24 debug generic-proxy

Debug generic proxy

generic-proxy Specification

Type	*operational*
Element Name	generic-proxy
Element URI	/axapi/v3/debug/generic-proxy
Element Attributes	generic-proxy_attributes
Schema	`generic-proxy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/generic-proxy

generic-proxy attributes

generic-proxy attributes

debug-level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.25 debug gslb

Debug GSLB

gslb Specification

Type	*operational*
Element Name	gslb
Element URI	/axapi/v3/debug/gslb
Element Attributes	gslb_attributes
Schema	`gslb schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/gslb

gslb attributes

gslb attributes

glname

Description Debug for matched Geo-location

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

group

Description: group is a **JSON Block**. Please see below for *group*

Type: Object

Refernce Object: */axapi/v3/debug/gslb/group*

id

Description Specify ID

Type: number

Range: 0-128

Default: 0

ip-addr

Description Debug for matched IP address

Type: string

Format: ipv4-address

ipv6-addr

Description Debug for matched IPv6 address

Type: string

Format: ipv6-address

memory

Description Debug GSLB memory

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-shot

Description Stop after get 64 states

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description: protocol is a **JSON Block**. Please see below for *protocol*

Type: Object

Refernce Object: */axapi/v3/debug/gslb/protocol*

state

Description Keep GSLB state information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group

Specification	
Type	*object*

all

Description All trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Cache trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description EVENTS trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fsm

Description FSM trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description Remote IP address of GSLB controller of the group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipc

Description IPC trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive

Description KEEPALIVE trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message

Description Debug GSLB group message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-all

Description All messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-control

Description GMP control messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-group

Description GMP group messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-keepalive

Description GMP keepalive messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-notify

Description GMP notify messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-open

Description GMP open messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-query

Description GMP query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Name of GSLB group

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

normal

Description Normal trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-ipv4

Description Specify remote IPv4 Address

Type: string

Format: ipv4-address

peer-ipv6

Description Specify remote IPv6 Address

Type: string

Format: ipv6-address

timer

Description Timer trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update

Description Update trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol

Specification	
Type	*object*

active-rdt

Description ARDT trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description All trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Cache trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description EVENTS trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fsm

Description FSM trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description Specify the remote IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipc

Description IPC trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive

Description KEEPALIVE trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message

Description Debug GSLB protocol message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-all

Description All messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-ardt-query

Description GMP ardt-query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-ardt-report

Description GMP ardt-report messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-control

Description GMP control messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-keepalive

Description GMP keepalive messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-notify

Description GMP notify messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-open

Description GMP open messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-query

Description GMP query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-update

Description GMP update messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify the slb device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

normal

Description Normal trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-ipv4

Description Specify remote IPv4 Address

Type: string

Format: ipv4-address

peer-ipv6

Description Specify remote IPv6 Address

Type: string

Format: ipv6-address

timer

Description Timer trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update

Description Update trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.26 debug gslb group

Debug GSLB group

group Specification

Type	*operational*
Element Name	group
Element URI	/axapi/v3/debug/gslb/group
Element Attributes	group_attributes
Schema	`group schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/gslb/group

group attributes

group attributes

all

Description All trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Cache trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description EVENTS trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fsm

Description FSM trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description Remote IP address of GSLB controller of the group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipc

Description IPC trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive

Description KEEPALIVE trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message

Description Debug GSLB group message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-all

Description All messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-control

Description GMP control messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-group

Description GMP group messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-keepalive

Description GMP keepalive messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-notify

Description GMP notify messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-open

Description GMP open messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-query

Description GMP query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Name of GSLB group

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

normal

Description Normal trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-ipv4

Description Specify remote IPv4 Address

Type: string

Format: ipv4-address

peer-ipv6

Description Specify remote IPv6 Address

Type: string

Format: ipv6-address

timer

Description Timer trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update

Description Update trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.27 debug gslb protocol

Debug GSLB protocol

protocol Specification

Type	*operational*
Element Name	protocol
Element URI	/axapi/v3/debug/gslb/protocol
Element Attributes	protocol_attributes
Schema	`protocol schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/gslb/protocol

protocol attributes

protocol attributes

active-rdt

Description ARDT trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description All trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache

Description Cache trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description EVENTS trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fsm

Description FSM trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description Specify the remote IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipc

Description IPC trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive

Description KEEPALIVE trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message

Description Debug GSLB protocol message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-all

Description All messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-ardt-query

Description GMP ardt-query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-ardt-report

Description GMP ardt-report messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-control

Description GMP control messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-keepalive

Description GMP keepalive messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-notify

Description GMP notify messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-open

Description GMP open messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-query

Description GMP query messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-update

Description GMP update messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Specify the slb device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

normal

Description Normal trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-ipv4

Description Specify remote IPv4 Address

Type: string

Format: ipv4-address

peer-ipv6

Description Specify remote IPv6 Address

Type: string

Format: ipv6-address

timer

Description Timer trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update

Description Update trace information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.28 debug gtp

Debug GTP

gtp Specification

Type	*operational*
Element Name	gtp
Element URI	/axapi/v3/debug/gtp
Element Attributes	gtp_attributes
Schema	`gtp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/gtp

gtp attributes

gtp attributes

level

Description Debug level (Level 1: Errors Level 2: Minimal_info Level 3: Detailed_info)

Type: number

Range: 1-3

Default: 1

packet

Description Debug GTP packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.29 debug h323

Debug H323

h323 Specification

Type	*operational*
Element Name	h323
Element URI	/axapi/v3/debug/h323
Element Attributes	h323_attributes
Schema	`h323 schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/h323

h323 attributes

h323 attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.30 debug ha

Debug HA

ha Specification

Type	*operational*
Element Name	ha
Element URI	/axapi/v3/debug/ha
Element Attributes	ha_attributes
Schema	`ha schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ha

ha attributes

ha attributes

debug-level

Description Debug level (Level 1-6)

Type: number

Range: 1-7

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.31 debug hc

Debug Harmony Controller

hc Specification

Type	*operational*
Element Name	hc
Element URI	/axapi/v3/debug/hc
Element Attributes	hc_attributes
Schema	`hc schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/hc

hc attributes

hc attributes

anomaly

Description Dump per-request in anomaly cases only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

app-svc-id

Description Application service id (virtual-server_port_protocol)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

error

Description Debug logs for harmony controller (error)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metrics

Description Debug logs for harmony controller (metrics)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

object-uuid

Description UUID of the object to filter

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

per-connection

Description Debug logs for harmony controller (per-connection)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per-request

Description Debug logs for harmony controller (per-request)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

registration

Description Debug logs for harmony controller (registration)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uri

Description URI of the object to filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.32 debug hm

Debug health monitor

hm Specification

Type	*operational*
Element Name	hm
Element URI	/axapi/v3/debug/hm
Element Attributes	hm_attributes
Schema	`hm schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/hm

hm attributes

hm attributes

level

Description Debug level (Level 1-3)

Type: number

Range: 1-3

method-type

Description 'icmp': ICMP type; 'tcp': TCP type; 'udp': UDP type; 'ftp': FTP type; 'http': HTTP type; 'snmp': SNMP type; 'smtp': SMTP type; 'dns': DNS type; 'dns-tcp': DNS TCP type; 'pop3': POP3 type; 'imap': IMAP type; 'sip': SIP type; 'sip-tcp': SIP TCP type; 'radius': RADIUS type; 'ldap': LDAP type; 'rtsp': RTSP type; 'kerberos-kdc': Kerberos KDC type; 'database': DATABASE type; 'external': EXTERNAL type; 'https': HTTPS type; 'ntp': NTP type; 'compound': Compound type;

Type: string

Supported Values: icmp, tcp, udp, ftp, http, snmp, smtp, dns, dns-tcp, pop3, imap, sip, sip-tcp, radius, ldap, rtsp, kerberos-kdc, database, external, https, ntp, compound

pin-uid

Description Debug Pin Unique Id

Type: number

Range: 1-2000000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.33 debug http2

Debug HTTP/2 processing

http2 Specification

Type	*operational*
Element Name	http2
Element URI	/axapi/v3/debug/http2
Element Attributes	http2_attributes
Schema	`http2 schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/http2

http2 attributes

http2 attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.34 debug http-proxy

Debug HTTP proxy

http-proxy Specification

Type	*operational*
Element Name	http-proxy
Element URI	/axapi/v3/debug/http-proxy
Element Attributes	http-proxy_attributes
Schema	`http-proxy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/http-proxy

http-proxy attributes

http-proxy attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.35 debug hw-compression

Debug Hardware Compression

hw-compression Specification

Type	*operational*
Element Name	hw-compression
Element URI	/axapi/v3/debug/hw-compression
Element Attributes	hw-compression_attributes
Schema	`hw-compression schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/hw-compression

hw-compression attributes

hw-compression attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.36 debug imap-proxy

Debug IMAP proxy

imap-proxy Specification

Type	*operational*
Element Name	imap-proxy
Element URI	/axapi/v3/debug/imap-proxy
Element Attributes	imap-proxy_attributes
Schema	`imap-proxy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/imap-proxy

imap-proxy attributes

imap-proxy attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.37 debug imish

Debug imish outputs

imish Specification

Type	*operational*
Element Name	imish
Element URI	/axapi/v3/debug/imish
Element Attributes	imish_attributes
Schema	`imish schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/imish

imish attributes

imish attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.38 debug imish-profile

add imish expect time profile into rima_log

imish-profile Specification

Type	*operational*
Element Name	imish-profile
Element URI	/axapi/v3/debug/imish-profile
Element Attributes	imish-profile_attributes
Schema	`imish-profile schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/imish-profile

imish-profile attributes

imish-profile attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.39 debug ip

Debug IP Functions

ip Specification

Type	*operational*
Element Name	ip
Element URI	/axapi/v3/debug/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ip

ip attributes

ip attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.40 debug ipv6

Internet Protocol version 6 (IPv6)

ipv6 Specification

Type	*operational*
Element Name	ipv6
Element URI	/axapi/v3/debug/ipv6
Element Attributes	ipv6_attributes
Schema	`ipv6 schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6

ipv6 attributes

ipv6 attributes

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/rip*

ospf

Specification	
Type	*object*

all

Description: all is a **JSON Block**. Please see below for *ospf_all*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/all*

bfd

Description: bfd is a **JSON Block**. Please see below for *ospf_bfd*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/bfd*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description: events is a **JSON Block**. Please see below for *ospf_events*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/events*

ifsm

Description: ifsm is a **JSON Block**. Please see below for *ospf_ifsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/ifsm*

lsa

Description: lsa is a **JSON Block**. Please see below for *ospf_lsa*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/lsa*

nfsm

Description: nfsm is a **JSON Block**. Please see below for *ospf_nfsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/nfsm*

nsm

Description: nsm is a **JSON Block**. Please see below for *ospf_nsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/nsm*

packet

Description: packet is a **JSON Block**. Please see below for *ospf_packet*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/packet*

route

Description: route is a **JSON Block**. Please see below for *ospf_route*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/route*

ospf_all

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ifsm

Specification	
Type	*object*

events

Description IFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description IFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description IFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_lsa

Specification	
Type	*object*

flooding

Description LSA Flooding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gererate

Description LSA Generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description LSA Installation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maxage

Description LSA MaxAge processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

refresh

Description LSA Refreshment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_route

Specification	
Type	*object*

ase

Description External route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ia

Description Inter-Area route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description Route installation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description SPF calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_bfd

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_nfsm

Specification	
Type	*object*

events

Description NFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description NFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description NFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_packet

Specification	
Type	*object*

dd

Description OSPFv3 Database Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detail information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello

Description OSPFv3 Hello

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-ack

Description OSPFv3 Link State Acknowledgment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-request

Description OSPFv3 Link State Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-update

Description OSPFv3 Link State Update

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description Packet received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description Packet sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_events

Specification	
Type	*object*

abr

Description OSPF ABR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

asbr

Description OSPF ASBR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

os

Description OS events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description Other router events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlink

Description Virtual-Link event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_nsm

Specification	
Type	*object*

interface

Description NSM interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description NSM redistribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	
Type	*object*

all

Description Enable all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detailed information display

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description RIPng events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description RIPng and NSM communication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description RIPng packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description RIPng receive packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description RIPng send packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.21.41 debug ipv6 ospf

Open Shortest Path First (OSPF) for IPv6

ospf Specification

Type	*operational*
Element Name	ospf
Element URI	/axapi/v3/debug/ipv6/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf

ospf attributes

ospf attributes

all

Description: all is a **JSON Block**. Please see below for *all*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/all*

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/bfd*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description: events is a **JSON Block**. Please see below for *events*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/events*

ifsm

Description: ifsm is a **JSON Block**. Please see below for *ifsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/ifsm*

lsa

Description: lsa is a **JSON Block**. Please see below for *lsa*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/lsa*

nfsm

Description: nfsm is a **JSON Block**. Please see below for *nfsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/nfsm*

nsm

Description: nsm is a **JSON Block**. Please see below for *nsm*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/nsm*

packet

Description: packet is a **JSON Block**. Please see below for *packet*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/packet*

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

Refernce Object: */axapi/v3/debug/ipv6/ospf/route*

all

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ifsm

Specification	
Type	*object*

events

Description IFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description IFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description IFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsa

Specification	
Type	*object*

flooding

Description LSA Flooding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gererate

Description LSA Generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description LSA Installation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maxage

Description LSA MaxAge processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

refresh

Description LSA Refreshment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route

Specification	
Type	*object*

ase

Description External route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ia

Description Inter-Area route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description Route installation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description SPF calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nfsm

Specification	
Type	*object*

events

Description NFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description NFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description NFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet

Specification	
Type	*object*

dd

Description OSPFv3 Database Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detail information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello

Description OSPFv3 Hello

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-ack

Description OSPFv3 Link State Acknowledgment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-request

Description OSPFv3 Link State Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-update

Description OSPFv3 Link State Update

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description Packet received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description Packet sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

events

Specification	
Type	*object*

abr

Description OSPF ABR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

asbr

Description OSPF ASBR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

os

Description OS events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description Other router events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlink

Description Virtual-Link event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Specification	
Type	*object*

interface

Description NSM interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description NSM redistribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.42 debug ipv6 ospf all

Enable all debugging

all Specification

Type	*operational*
Element Name	all
Element URI	/axapi/v3/debug/ipv6/ospf/all
Element Attributes	all_attributes
Schema	`all schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/all

all attributes

all attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.43 debug ipv6 ospf bfd

Bidirectional Forwarding Detection (BFD)

bfd Specification

Type	*operational*
Element Name	bfd
Element URI	/axapi/v3/debug/ipv6/ospf/bfd
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/bfd

bfd attributes

bfd attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.44 debug ipv6 ospf events

OSPFv3 event

events Specification

Type	*operational*
Element Name	events
Element URI	/axapi/v3/debug/ipv6/ospf/events
Element Attributes	events_attributes
Schema	`events schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/events

events attributes

events attributes

abr

Description OSPF ABR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

asbr

Description OSPF ASBR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

os

Description OS events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description Other router events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlink

Description Virtual-Link event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.21.45 debug ipv6 ospf ifsm

OSPFv3 Interface State Machine

ifsm Specification

Type	*operational*
Element Name	ifsm
Element URI	/axapi/v3/debug/ipv6/ospf/ifsm
Element Attributes	ifsm_attributes
Schema	`ifsm schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/ifsm

ifsm attributes

ifsm attributes

events

Description IFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description IFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description IFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.46 debug ipv6 ospf lsa

OSPFv3 Link State Advertisement

lsa Specification

Type	*operational*
Element Name	lsa
Element URI	/axapi/v3/debug/ipv6/ospf/lsa
Element Attributes	lsa_attributes
Schema	`lsa schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/lsa

lsa attributes

lsa attributes

flooding

Description LSA Flooding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gererate

Description LSA Generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description LSA Installation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maxage

Description LSA MaxAge processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

refresh

Description LSA Refreshment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.47 debug ipv6 ospf nfsm

OSPFv3 Neighbor State Machine

nfsm Specification

Type	*operational*
Element Name	nfsm
Element URI	/axapi/v3/debug/ipv6/ospf/nfsm
Element Attributes	nfsm_attributes
Schema	`nfsm schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/nfsm

nfsm attributes

nfsm attributes

events

Description NFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description NFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description NFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.48 debug ipv6 ospf nsm

OSPFv3 NSM information

nsm Specification

Type	*operational*
Element Name	nsm
Element URI	/axapi/v3/debug/ipv6/ospf/nsm
Element Attributes	nsm_attributes
Schema	`nsm schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/nsm

nsm attributes

nsm attributes

interface

Description NSM interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description NSM redistribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.49 debug ipv6 ospf packet

OSPFv3 packets

packet Specification

Type	*operational*
Element Name	packet
Element URI	/axapi/v3/debug/ipv6/ospf/packet
Element Attributes	packet_attributes
Schema	`packet schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/packet

packet attributes

packet attributes

dd

Description OSPFv3 Database Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detail information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello

Description OSPFv3 Hello

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-ack

Description OSPFv3 Link State Acknowledgment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-request

Description OSPFv3 Link State Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-update

Description OSPFv3 Link State Update

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description Packet received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description Packet sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.50 debug ipv6 ospf route

OSPFv3 route information

route Specification

Type	*operational*
Element Name	route
Element URI	/axapi/v3/debug/ipv6/ospf/route
Element Attributes	route_attributes
Schema	`route schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/ospf/route

route attributes

route attributes

ase

Description External route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ia

Description Inter-Area route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description Route installation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description SPF calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.51 debug ipv6 rip

Routing Information Protocol (RIP) for IPv6

rip Specification

Type	*operational*
Element Name	rip
Element URI	/axapi/v3/debug/ipv6/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ipv6/rip

rip attributes

rip attributes

all

Description Enable all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detailed information display

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description RIPng events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description RIPng and NSM communication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description RIPng packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description RIPng receive packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description RIPng send packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.21.52 debug isis

Intermediate System - Intermediate System (IS-IS)

isis Specification

Type	*operational*
Element Name	isis
Element URI	/axapi/v3/debug/isis
Element Attributes	isis_attributes
Schema	`isis schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/isis

isis attributes

isis attributes

all

Description Enable all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description IS-IS Events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ifsm

Description IS-IS Interface Finite State Machine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsp

Description IS-IS Link State PDU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nfsm

Description IS-IS Neighbor Finite State Machine

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description IS-IS NSM information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu

Description IS-IS Protocol Data Unit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description IS-IS SPF Calculation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.53 debug l2-redirect

Debug L2 SSLi Redirect

l2-redirect Specification

Type	*operational*
Element Name	l2-redirect
Element URI	/axapi/v3/debug/l2-redirect
Element Attributes	l2-redirect_attributes
Schema	`l2-redirect schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/l2-redirect

l2-redirect attributes

l2-redirect attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.54 debug l4

Debug Layer 4

l4 Specification

Type	*operational*
Element Name	l4
Element URI	/axapi/v3/debug/l4
Element Attributes	l4_attributes
Schema	`l4 schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/l4

l4 attributes

l4 attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.55 debug l7session

Debug L7 session processing

l7session Specification

Type	*operational*
Element Name	l7session
Element URI	/axapi/v3/debug/l7session
Element Attributes	l7session_attributes
Schema	`l7session schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/l7session

l7session attributes

l7session attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.56 debug lacp

lacp - LACP commands

lacp Specification

Type	*operational*
Element Name	lacp
Element URI	/axapi/v3/debug/lacp
Element Attributes	lacp_attributes
Schema	`lacp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/lacp

lacp attributes

lacp attributes

all

Description all - turn on all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cli

Description cli - echo commands to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description detail - echo timer start/stop to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description event - echo events to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha

Description ha - echo High availability events to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description packet - echo packet contents to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sync

Description sync - echo synchronization to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timer

Description timer - echo timer expiry to console

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.57 debug layer2

Layer2 module parameters

layer2 Specification

Type	*operational*
Element Name	layer2
Element URI	/axapi/v3/debug/layer2
Element Attributes	layer2_attributes
Schema	`layer2 schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/layer2

layer2 attributes

layer2 attributes

all

Description Layer2 all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

arp

Description Layer2 debug arp switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface

Description Layer2 debug interface switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

misc

Description Layer2 debug misc switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trace

Description Layer2 debug trace switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description Layer2 debug vlan switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.21.58 debug lb

Load Balancing debug switch parameter

lb Specification

Type	*operational*
Element Name	lb
Element URI	/axapi/v3/debug/lb
Element Attributes	lb_attributes
Schema	`lb schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/lb

lb attributes

lb attributes

all

Description Load Balancing debug all switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cfg

Description Load Balancing configuration debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clb

Description Cache Load Balancing debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

flow

Description Packet flow debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fwlb

Description Firewall Load Balancing debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

llb

Description Link Load Balancing debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description Server Load Balancing debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.59 debug link-probe

Link Probe module parameters

link-probe Specification

Type	*operational*
Element Name	link-probe
Element URI	/axapi/v3/debug/link-probe
Element Attributes	link-probe_attributes
Schema	`link-probe schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/link-probe

link-probe attributes

link-probe attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.60 debug list_all_cli

list_all_cli Specification

Type	*operational*
Element Name	list_all_cli
Element URI	/axapi/v3/debug/list_all_cli
Element Attributes	list_all_cli_attributes
Schema	`list_all_cli schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/list_all_cli

list_all_cli attributes

list_all_cli attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.61 debug local-log

Debug LOCAL log

local-log Specification

Type	*operational*
Element Name	local-log
Element URI	/axapi/v3/debug/local-log
Element Attributes	local-log_attributes
Schema	`local-log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/local-log

local-log attributes

local-log attributes

group

Description 'query': Debug local log query (axapi).; 'db-mgr': Debug local log database management.; 'db-write': Debug local log insert local log into database.; 'queue': Debug local log generate and inqueue/dequeue.;

Type: string

Supported Values: query, db-mgr, db-write, queue

level

Description Debug level (Level 1-3. 1:error, 2:notice, 3:Info)

Type: number

Range: 1-3

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.62 debug logging

Logging module parameters

logging Specification

Type	*operational*
Element Name	logging
Element URI	/axapi/v3/debug/logging
Element Attributes	logging_attributes
Schema	`logging schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/logging

logging attributes

logging attributes

all

Description Logging all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

command

Description Logging debug command switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description Logging debug error switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.63 debug lsn

Debug LSN

lsn Specification

Type	*operational*
Element Name	lsn
Element URI	/axapi/v3/debug/lsn
Element Attributes	lsn_attributes
Schema	`lsn schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/lsn

lsn attributes

lsn attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.64 debug management

management module parameters

management Specification

Type	*operational*
Element Name	management
Element URI	/axapi/v3/debug/management
Element Attributes	management_attributes
Schema	`management schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/management

management attributes

management attributes

all

Description management all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system

Description management system debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.65 debug mgcp

Debug mgcp

mgcp Specification

Type	*operational*
Element Name	mgcp
Element URI	/axapi/v3/debug/mgcp
Element Attributes	mgcp_attributes
Schema	`mgcp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/mgcp

mgcp attributes

mgcp attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.66 debug migration

Debug VIP Migration

migration Specification

Type	*operational*
Element Name	migration
Element URI	/axapi/v3/debug/migration
Element Attributes	migration_attributes
Schema	`migration schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/migration

migration attributes

migration attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.67 debug mlb

Debug MLB

mlb Specification

Type	*operational*
Element Name	mlb
Element URI	/axapi/v3/debug/mlb
Element Attributes	mlb_attributes
Schema	`mlb schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/mlb

mlb attributes

mlb attributes

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.68 debug monitor

Monitor debug output

monitor Specification

Type	*operational*
Element Name	monitor
Element URI	/axapi/v3/debug/monitor
Element Attributes	monitor_attributes
Schema	`monitor schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/monitor

monitor attributes

monitor attributes

all-slots

Description Display debug output of both Master and Blade

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cpuid

Description CPU id to debug (0,1,. . .)

Type: number

Range: 0-65535

filename

Description Filename to save debug output

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

filesize

Description maximum file size to save debug messages (MB)

Type: number

Range: 1-300

Default: 1

no-stop

Description Donot spawn another rimacli

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description timeout to stop debug monitor in minutes

Type: number

Range: 1-9999

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.69 debug mqtt

Debug MQTT

mqtt Specification

Type	*operational*
Element Name	mqtt
Element URI	/axapi/v3/debug/mqtt
Element Attributes	mqtt_attributes
Schema	`mqtt schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/mqtt

mqtt attributes

mqtt attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.70 debug msg-proxy

Debug msg proxy

msg-proxy Specification

Type	*operational*
Element Name	msg-proxy
Element URI	/axapi/v3/debug/msg-proxy
Element Attributes	msg-proxy_attributes
Schema	`msg-proxy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/msg-proxy

msg-proxy attributes

msg-proxy attributes

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.71 debug ospf

Debug Open Shortest Path First (OSPF)

ospf Specification

Type	*operational*
Element Name	ospf
Element URI	/axapi/v3/debug/ospf
Element Attributes	ospf_attributes
Schema	`ospf schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf

ospf attributes

ospf attributes

all

Description: all is a **JSON Block**. Please see below for *all*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/all*

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/bfd*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description: events is a **JSON Block**. Please see below for *events*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/events*

ifsm

Description: ifsm is a **JSON Block**. Please see below for *ifsm*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/ifsm*

lsa

Description: lsa is a **JSON Block**. Please see below for *lsa*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/lsa*

nfsm

Description: nfsm is a **JSON Block**. Please see below for *nfsm*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/nfsm*

nsm

Description: nsm is a **JSON Block**. Please see below for *nsm*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/nsm*

packet

Description: packet is a **JSON Block**. Please see below for *packet*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/packet*

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

Refernce Object: */axapi/v3/debug/ospf/route*

all

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ifsm

Specification	
Type	*object*

events

Description IFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description IFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description IFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsa

Specification	
Type	*object*

flooding

Description LSA Flooding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gererate

Description LSA Generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description LSA Installation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maxage

Description LSA MaxAge processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

refresh

Description LSA Refreshment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route

Specification	
Type	*object*

ase

Description External route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ia

Description Inter-Area route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description Route installation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description SPF calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd

Specification	
Type	*object*

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nfsm

Specification	
Type	*object*

events

Description NFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description NFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description NFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet

Specification	
Type	*object*

dd

Description OSPFv3 Database Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detail information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello

Description OSPFv3 Hello

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-ack

Description OSPFv3 Link State Acknowledgment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-request

Description OSPFv3 Link State Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-update

Description OSPFv3 Link State Update

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description Packet received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description Packet sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

events

Specification	
Type	*object*

abr

Description OSPF ABR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

asbr

Description OSPF ASBR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

os

Description OS events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description Other router events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlink

Description Virtual-Link event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Specification	
Type	*object*

interface

Description NSM interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description NSM redistribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.72 debug ospf all

Enable all debugging

all Specification

Type	*operational*
Element Name	all
Element URI	/axapi/v3/debug/ospf/all
Element Attributes	all_attributes
Schema	`all schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/all

all attributes

all attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.73 debug ospf bfd

Bidirectional Forwarding Detection (BFD)

bfd Specification

Type	*operational*
Element Name	bfd
Element URI	/axapi/v3/debug/ospf/bfd
Element Attributes	bfd_attributes
Schema	`bfd schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/bfd

bfd attributes

bfd attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.74 debug ospf events

OSPFv3 event

events Specification

Type	*operational*
Element Name	events
Element URI	/axapi/v3/debug/ospf/events
Element Attributes	events_attributes
Schema	`events schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/events

events attributes

events attributes

abr

Description OSPF ABR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

asbr

Description OSPF ASBR events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

os

Description OS events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description Other router events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlink

Description Virtual-Link event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.21.75 debug ospf ifsm

OSPFv3 Interface State Machine

ifsm Specification

Type	*operational*
Element Name	ifsm
Element URI	/axapi/v3/debug/ospf/ifsm
Element Attributes	ifsm_attributes
Schema	`ifsm schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/ifsm

ifsm attributes

ifsm attributes

events

Description IFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description IFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description IFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.76 debug ospf lsa

OSPFv3 Link State Advertisement

lsa Specification

Type	*operational*
Element Name	lsa
Element URI	/axapi/v3/debug/ospf/lsa
Element Attributes	lsa_attributes
Schema	`lsa schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/lsa

lsa attributes

lsa attributes

flooding

Description LSA Flooding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gererate

Description LSA Generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description LSA Installation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maxage

Description LSA MaxAge processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

refresh

Description LSA Refreshment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.77 debug ospf nfsm

OSPFv3 Neighbor State Machine

nfsm Specification

Type	*operational*
Element Name	nfsm
Element URI	/axapi/v3/debug/ospf/nfsm
Element Attributes	nfsm_attributes
Schema	`nfsm schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/nfsm

nfsm attributes

nfsm attributes

events

Description NFSM Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status

Description NFSM Status Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description NFSM Timer Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.78 debug ospf nsm

OSPFv3 NSM information

nsm Specification

Type	*operational*
Element Name	nsm
Element URI	/axapi/v3/debug/ospf/nsm
Element Attributes	nsm_attributes
Schema	`nsm schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/nsm

nsm attributes

nsm attributes

interface

Description NSM interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description NSM redistribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.79 debug ospf packet

OSPFv3 packets

packet Specification

Type	*operational*
Element Name	packet
Element URI	/axapi/v3/debug/ospf/packet
Element Attributes	packet_attributes
Schema	`packet schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/packet

packet attributes

packet attributes

dd

Description OSPFv3 Database Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detail information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello

Description OSPFv3 Hello

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-ack

Description OSPFv3 Link State Acknowledgment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-request

Description OSPFv3 Link State Request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ls-update

Description OSPFv3 Link State Update

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description Packet received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description Packet sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.80 debug ospf route

OSPFv3 route information

route Specification

Type	*operational*
Element Name	route
Element URI	/axapi/v3/debug/ospf/route
Element Attributes	route_attributes
Schema	`route schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ospf/route

route attributes

route attributes

ase

Description External route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ia

Description Inter-Area route calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

install

Description Route installation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spf

Description SPF calculation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.81 debug packet

Debug packet

packet Specification

Type	*operational*
Element Name	packet
Element URI	/axapi/v3/debug/packet
Element Attributes	packet_attributes
Schema	`packet schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/packet

packet attributes

packet attributes

all

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all-ipv4

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all-ipv6

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all-tcp-ports

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all-udp-ports

Description All

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

arp

Description ARP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

count

Description Maximum packets to capture. Default is 3000 (Specify maximum packet number. For umlimited, specify 0)

Type: number

Range: 0-65535

detail

Description Print packet content

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface number

Type: number

Format: interface

icmp

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interface

Description Interface to debug

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4ad

Description IP Address

Type: string

Format: ipv4-address

ipv6

Description IPV6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6ad

Description IPV6 Address

Type: string

Format: ipv6-address

l3-protocol

Description Layer 3 protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4-protocol

Description Layer 4 protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor

Description IPv6 Neighbor/Router

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-range

Description Port Number

Type: number

Range: 1-65535

tcp

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description ve number

Type: number

Range: 2-4094

3.21.82 debug packet-capture

Debug packet capture

packet-capture Specification

Type	*operational*
Element Name	packet-capture
Element URI	/axapi/v3/debug/packet-capture
Element Attributes	packet-capture_attributes
Schema	`packet-capture schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/packet-capture

packet-capture attributes

packet-capture attributes

capture-config

Description Specify capture-config. Default all (Capture config)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

count

Description Maximum packets to capture. Default is 10 (Specify maximum packet number. For umlimited, specify 0)

Type: number

Range: 0-1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.83 debug polltech-enable

Enable polltech switch

polltech-enable Specification

Type	*operational*
Element Name	polltech-enable
Element URI	/axapi/v3/debug/polltech-enable
Element Attributes	polltech-enable_attributes
Schema	`polltech-enable schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/polltech-enable

polltech-enable attributes

polltech-enable attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.84 debug pop3-proxy

Debug POP3 proxy

pop3-proxy Specification

Type	*operational*
Element Name	pop3-proxy
Element URI	/axapi/v3/debug/pop3-proxy
Element Attributes	pop3-proxy_attributes
Schema	`pop3-proxy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/pop3-proxy

pop3-proxy attributes

pop3-proxy attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.85 debug rip

Routing Information Protocol (RIP) for IPv6

rip Specification

Type	*operational*
Element Name	rip
Element URI	/axapi/v3/debug/rip
Element Attributes	rip_attributes
Schema	`rip schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/rip

rip attributes

rip attributes

all

Description Enable all debugging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

detail

Description Detailed information display

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

events

Description RIPng events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nsm

Description RIPng and NSM communication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description RIPng packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recv

Description RIPng receive packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

send

Description RIPng send packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.21.86 debug rt

Routing module parameters

rt Specification

Type	*operational*
Element Name	rt
Element URI	/axapi/v3/debug/rt
Element Attributes	rt_attributes
Schema	`rt schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/rt

rt attributes

rt attributes

all

Description Routing all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

check

Description ROUTING debug check switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

command

Description Routing debug command switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.87 debug scaleout

Debug scaleout

scaleout Specification

Type	*operational*
Element Name	scaleout
Element URI	/axapi/v3/debug/scaleout
Element Attributes	scaleout_attributes
Schema	`scaleout schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/scaleout

scaleout attributes

scaleout attributes

config

Description Debug logs for scaleout config change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

debug-level

Description Debug level (Level 1-3)

Type: number

Range: 1-3

event

Description Debug logs for scaleout events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description Debug logs for scaleout packet flow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-sync

Description Debug logs for scaleout session sync events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.88 debug sctp

Debug SCTP packets

sctp Specification

Type	*operational*
Element Name	sctp
Element URI	/axapi/v3/debug/sctp
Element Attributes	sctp_attributes
Schema	`sctp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/sctp

sctp attributes

sctp attributes

dummy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.89 debug sess

Debug sessions

sess Specification

Type	*operational*
Element Name	sess
Element URI	/axapi/v3/debug/sess
Element Attributes	sess_attributes
Schema	`sess schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/sess

sess attributes

sess attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.90 debug sip

Debug SIP

sip Specification

Type	*operational*
Element Name	sip
Element URI	/axapi/v3/debug/sip
Element Attributes	sip_attributes
Schema	`sip schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/sip

sip attributes

sip attributes

ACK

Description Method ACK

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BYE

Description SIP Method BYE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

CANCEL

Description SIP Method CANCEL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

INFO

Description SIP Method INFO

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

INVITE

Description Method INVITE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

MESSAGE

Description SIP Method MESSAGE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

NOTIFY

Description SIP Method NOTIFY

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

OPTIONS

Description SIP Method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

PRACK

Description SIP Method PRACK

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

PUBLISH

Description SIP Method PUBLISH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

REFER

Description SIP Method REFER

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

REGISTER

Description SIP Method REGISTER

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

SUBSCRIBE

Description SIP Method SUBSCRIBE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

UPDATE

Description SIP Method UPDATE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Set filter with SIP method types

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.91 debug smpp

Debug smpp

smpp Specification

Type	*operational*
Element Name	smpp
Element URI	/axapi/v3/debug/smpp
Element Attributes	smpp_attributes
Schema	`smpp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/smpp

smpp attributes

smpp attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.92 debug smtp

Debug SMTP

smtp Specification

Type	*operational*
Element Name	smtp
Element URI	/axapi/v3/debug/smtp
Element Attributes	smtp_attributes
Schema	`smtp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/smtp

smtp attributes

smtp attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.93 debug snmp

SNMP module parameters

snmp Specification

Type	*operational*
Element Name	snmp
Element URI	/axapi/v3/debug/snmp
Element Attributes	snmp_attributes
Schema	`snmp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/snmp

snmp attributes

snmp attributes

all

Description SNMP all debug switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

error

Description SNMP debug error switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event

Description SNMP debug event switch

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.94 debug ssl

Debug SSL operation

ssl Specification

Type	*operational*
Element Name	ssl
Element URI	/axapi/v3/debug/ssl
Element Attributes	ssl_attributes
Schema	`ssl schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ssl

ssl attributes

ssl attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.95 debug ssli

Debug SSLi

ssli Specification

Type	*operational*
Element Name	ssli
Element URI	/axapi/v3/debug/ssli
Element Attributes	ssli_attributes
Schema	`ssli schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/ssli

ssli attributes

ssli attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.96 debug system

System module parameters

system Specification

Type	*operational*
Element Name	system
Element URI	/axapi/v3/debug/system
Element Attributes	system_attributes
Schema	`system schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/system

system attributes

system attributes

debug_system_enum

Description 'all': System all debug switch; 'aaa': System debug aaa switch; 'import-export': System debug import or export switch; 'ssl': System debug ssl switch;

Type: string

Supported Values: all, aaa, import-export, ssl

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.97 debug table-sync-event

Debug table sync events

table-sync-event Specification

Type	*operational*
Element Name	table-sync-event
Element URI	/axapi/v3/debug/table-sync-event
Element Attributes	table-sync-event_attributes
Schema	`table-sync-event schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/table-sync-event

table-sync-event attributes

table-sync-event attributes

all

Description all Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: allmac, arp, nd6, fibv4 and fibv6 are mutually exclusive

arp

Description ARP Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: arpall, mac, nd6, fibv4 and fibv6 are mutually exclusive

fibv4

Description IPv4 FIB Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fibv4all, mac, arp, nd6 and fibv6 are mutually exclusive

fibv6

Description IPv6 FIB Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fibv6all, mac, arp, nd6 and fibv4 are mutually exclusive

mac

Description MAC Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: macall, arp, nd6, fibv4 and fibv6 are mutually exclusive

nd6

Description ND6 Event Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: nd6all, mac, arp, fibv4 and fibv6 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.98 debug tcp

Debug TCP

tcp Specification

Type	*operational*
Element Name	tcp
Element URI	/axapi/v3/debug/tcp
Element Attributes	tcp_attributes
Schema	`tcp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/tcp

tcp attributes

tcp attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

stack

Description Debug TCP stack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.99 debug threat-intel

Debug threat intel module

threat-intel Specification

Type	*operational*
Element Name	threat-intel
Element URI	/axapi/v3/debug/threat-intel
Element Attributes	threat-intel_attributes
Schema	`threat-intel schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/threat-intel

threat-intel attributes

threat-intel attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.100 debug tunnel

Debug IPsec tunnel

tunnel Specification

Type	*operational*
Element Name	tunnel
Element URI	/axapi/v3/debug/tunnel
Element Attributes	tunnel_attributes
Schema	`tunnel schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/tunnel

tunnel attributes

tunnel attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.101 debug vector

Debug vector flow

vector Specification

Type	*operational*
Element Name	vector
Element URI	/axapi/v3/debug/vector
Element Attributes	vector_attributes
Schema	`vector schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/vector

vector attributes

vector attributes

error

Description Debug logs for vector errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet

Description Debug logs for vector packet flow

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trace

Description Debug logs for vector callbacks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.102 debug visibility

Debug visibility

visibility Specification

Type	*operational*
Element Name	visibility
Element URI	/axapi/v3/debug/visibility
Element Attributes	visibility_attributes
Schema	`visibility schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/visibility

visibility attributes

visibility attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xflow

Description debug xflow monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.21.103 debug vpn

Debug IPsec vpn

vpn Specification

Type	*operational*
Element Name	vpn
Element URI	/axapi/v3/debug/vpn
Element Attributes	vpn_attributes
Schema	`vpn schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/vpn

vpn attributes

vpn attributes

ike-gateway

Description Specify IKE gateway name (gateway filter name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/vpn/ike-gateway*

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

strict

Description Only record the logs that can match Ike-gateway name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.104 debug vtep-error

Debug Overlay errors

vtep-error Specification

Type	*operational*
Element Name	vtep-error
Element URI	/axapi/v3/debug/vtep-error
Element Attributes	vtep-error_attributes
Schema	`vtep-error schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/vtep-error

vtep-error attributes

vtep-error attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.105 debug vtep-event

Debug Overlay related control plane events

vtep-event Specification

Type	*operational*
Element Name	vtep-event
Element URI	/axapi/v3/debug/vtep-event
Element Attributes	vtep-event_attributes
Schema	`vtep-event schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/vtep-event

vtep-event attributes

vtep-event attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.106 debug vtep-packet

Debug Overlay packet forwarding

vtep-packet Specification

Type	*operational*
Element Name	vtep-packet
Element URI	/axapi/v3/debug/vtep-packet
Element Attributes	vtep-packet_attributes
Schema	`vtep-packet schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/vtep-packet

vtep-packet attributes

vtep-packet attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.107 debug waf

Debug Web Application Firewall

waf Specification

Type	*operational*
Element Name	waf
Element URI	/axapi/v3/debug/waf
Element Attributes	waf_attributes
Schema	`waf schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/waf

waf attributes

waf attributes

level

Description Debug level (Level 1-4)

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.21.108 debug web-category

Debug Web Category

web-category Specification

Type	*operational*
Element Name	web-category
Element URI	/axapi/v3/debug/web-category
Element Attributes	web-category_attributes
Schema	`web-category schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/debug/web-category

web-category attributes

web-category attributes

dumy

Description Dummy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.22 delete

Objects:

3.22.1 delete auth-jwks

JWK file

auth-jwks Specification

Type	*operational*
Element Name	auth-jwks
Element URI	/axapi/v3/delete/auth-jwks
Element Attributes	auth-jwks_attributes
Schema	`auth-jwks schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/auth-jwks

auth-jwks attributes

auth-jwks attributes

jwk-name

Description Local File Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

3.22.2 delete auth-portal

Portal file for http authentication

auth-portal Specification

Type	*operational*
Element Name	auth-portal
Element URI	/axapi/v3/delete/auth-portal
Element Attributes	auth-portal_attributes
Schema	`auth-portal schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/auth-portal

auth-portal attributes

auth-portal attributes

portal-name

Description Local File Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

3.22.3 delete auth-portal-image

Image file for default portal

auth-portal-image Specification

Type	*operational*
Element Name	auth-portal-image
Element URI	/axapi/v3/delete/auth-portal-image
Element Attributes	auth-portal-image_attributes
Schema	`auth-portal-image schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/auth-portal-image

auth-portal-image attributes

auth-portal-image attributes

image-name

Description Local File Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

3.22.4 delete auth-saml-idp

SAML metadata of identity provider

auth-saml-idp Specification

Type	*operational*
Element Name	auth-saml-idp
Element URI	/axapi/v3/delete/auth-saml-idp
Element Attributes	auth-saml-idp_attributes
Schema	`auth-saml-idp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/auth-saml-idp

auth-saml-idp attributes

auth-saml-idp attributes

saml-idp-name

Description Local IDP metadata name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.22.5 delete bw-list

Blacklist/whitelist

bw-list Specification

Type	*operational*
Element Name	bw-list
Element URI	/axapi/v3/delete/bw-list
Element Attributes	bw-list_attributes
Schema	`bw-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/bw-list

bw-list attributes

bw-list attributes

file-name

Description Blacklist/whitelist Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.22.6 delete cgnv6

Delete cgnv6 related files

cgnv6 Specification

Type	*operational*
Element Name	cgnv6
Element URI	/axapi/v3/delete/cgnv6
Element Attributes	cgnv6_attributes
Schema	`cgnv6 schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/cgnv6

cgnv6 attributes

cgnv6 attributes

filename

Description Specify the port-mapping-file to be deleted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

fixed-nat

Description Delete fixed-nat port-mapping-file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6-binding-table-validation-log

Description LW-4O6 Binding Table validation log File

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-filename

Description LW-4O6 Binding Table Validation Log File Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

3.22.7 delete debug-monitor

Debug File

debug-monitor Specification

Type	*operational*
Element Name	debug-monitor
Element URI	/axapi/v3/delete/debug-monitor
Element Attributes	debug-monitor_attributes
Schema	`debug-monitor schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/debug-monitor

debug-monitor attributes

debug-monitor attributes

file-name

Description Local File Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

3.22.8 delete geo-location

Delete geo-location file

geo-location Specification

Type	*operational*
Element Name	geo-location
Element URI	/axapi/v3/delete/geo-location
Element Attributes	geo-location_attributes
Schema	`geo-location schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/geo-location

geo-location attributes

geo-location attributes

all

Description Delete all files

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and filename are mutually exclusive

filename

Description Specify file to be deleted

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: filename and all are mutually exclusive

3.22.9 delete glm-license

Remove glm license

glm-license Specification

Type	*operational*
Element Name	glm-license
Element URI	/axapi/v3/delete/glm-license
Element Attributes	glm-license_attributes
Schema	`glm-license schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/glm-license

glm-license attributes

glm-license attributes

a10-ti

Description only remove A10 Threat Intel license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec-vpn

Description only remove IPSEC VPN license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qosmos

Description only remove QOSMOS license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threatstop

Description only remove ThreatSTOP license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

webroot

Description only remove Webroot license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

webroot-ti

Description only remove Webroot Threat Intel license

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.22.10 delete guest-file

Delete guest-file

guest-file Specification

Type	*operational*
Element Name	guest-file
Element URI	/axapi/v3/delete/guest-file
Element Attributes	guest-file_attributes
Schema	`guest-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/guest-file

guest-file attributes

guest-file attributes

file-name

Description Guest-File Name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

3.22.11 delete health-external

Address the External Script Program

health-external Specification

Type	*operational*
Element Name	health-external
Element URI	/axapi/v3/delete/health-external
Element Attributes	health-external_attributes
Schema	`health-external schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/health-external

health-external attributes

health-external attributes

file-name

Description Specify the Program Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

3.22.12 delete health-postfile

Address the HTTP Post data file

health-postfile Specification

Type	*operational*
Element Name	health-postfile
Element URI	/axapi/v3/delete/health-postfile
Element Attributes	health-postfile_attributes
Schema	`health-postfile schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/health-postfile

health-postfile attributes

health-postfile attributes

file-name

Description Specify the File Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

3.22.13 delete local-uri-file

Local URI files for http response

local-uri-file Specification

Type	*operational*
Element Name	local-uri-file
Element URI	/axapi/v3/delete/local-uri-file
Element Attributes	local-uri-file_attributes
Schema	`local-uri-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/local-uri-file

local-uri-file attributes

local-uri-file attributes

file-name

Description Local File Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.22.14 delete partition

hard delete a partition

partition Specification

Type	*operational*
Element Name	partition
Element URI	/axapi/v3/delete/partition
Element Attributes	partition_attributes
Schema	`partition schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/partition

partition attributes

partition attributes

id

Description Specify unique Partition id

Type: number

partition-name

Description Object partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/partition*

3.22.15 delete rpz

Delete Response Policy Zone file

rpz Specification

Type	*operational*
Element Name	rpz
Element URI	/axapi/v3/delete/rpz
Element Attributes	rpz_attributes
Schema	`rpz schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/rpz

rpz attributes

rpz attributes

file-name

Description Response Policy Zone File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

3.22.16 delete service-partition

Hard delete a service partition

service-partition Specification

Type	*operational*
Element Name	service-partition
Element URI	/axapi/v3/delete/service-partition
Element Attributes	service-partition_attributes
Schema	`service-partition schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/service-partition

service-partition attributes

service-partition attributes

id

Description Specify unique service partition id

Type: number

partition-name

Description Object service partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Refernce Object: */axapi/v3/service-partition*

3.22.17 delete startup-config

Startup Configuration profile

startup-config Specification

Type	*operational*
Element Name	startup-config
Element URI	/axapi/v3/delete/startup-config
Element Attributes	startup-config_attributes
Schema	`startup-config schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/startup-config

startup-config attributes

startup-config attributes

file-name

Description Local Configuration Profile Name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

3.22.18 delete threat-intel

Delete threat-intel files

threat-intel Specification

Type	*operational*
Element Name	threat-intel
Element URI	/axapi/v3/delete/threat-intel
Element Attributes	threat-intel_attributes
Schema	`threat-intel schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/threat-intel

threat-intel attributes

threat-intel attributes

database

Description 'webroot': Delete webroot module database;

Type: string

Supported Values: webroot

3.22.19 delete web-category

Delete web-category database

web-category Specification

Type	*operational*
Element Name	web-category
Element URI	/axapi/v3/delete/web-category
Element Attributes	web-category_attributes
Schema	`web-category schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/delete/web-category

web-category attributes

web-category attributes

database

Description Delete web-category database

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.23 device-context

Objects:

3.23.1 device-context

Switch context to a particular device for VCS config

device-context Specification

Type	*operational*
Element Name	device-context
Element URI	/axapi/v3/device-context
Element Attributes	device-context_attributes
Schema	`device-context schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/device-context

device-context attributes

device-context attributes

device-id

Description Device ID

Type: number

3.24 dnssec

Objects:

3.24.1 dnssec dnskey

DNSKEY Resource Records of child zones

dnskey Specification

Type	*operational*
Element Name	dnskey
Element URI	/axapi/v3/dnssec/dnskey
Element Attributes	dnskey_attributes
Schema	`dnskey schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/dnssec/dnskey

dnskey attributes

dnskey attributes

key-delete

Description Delete the DNSKEY file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zone-name

Description DNS zone name of the child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

3.24.2 dnssec ds

Delegation Signer(DS) Resource Records of child zones

ds Specification

Type	*operational*
Element Name	ds
Element URI	/axapi/v3/dnssec/ds
Element Attributes	ds_attributes
Schema	`ds schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/dnssec/ds

ds attributes

ds attributes

ds-delete

Description Delete the DS file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zone-name

Description DNS zone name of the child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

3.24.3 dnssec key-rollover

DNSSEC Key rollover

key-rollover Specification

Type	*operational*
Element Name	key-rollover
Element URI	/axapi/v3/dnssec/key-rollover
Element Attributes	key-rollover_attributes
Schema	`key-rollover schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/dnssec/key-rollover

key-rollover attributes

key-rollover attributes

dnssec-key-type

Description 'ZSK': Zone Signing Key; 'KSK': Key Signing Key;

Type: string

Supported Values: ZSK, KSK

ds-ready-in-parent-zone

Description DS RR is already ready in the parent zone

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ksk-start

Description start KSK rollover in emergency mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

zone-name

Description Specify the name for the DNS zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

zsk-start

Description start ZSK rollover in emergency mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.24.4 dnssec sign-zone-now

sign zone right now

sign-zone-now Specification

Type	*operational*
Element Name	sign-zone-now
Element URI	/axapi/v3/dnssec/sign-zone-now
Element Attributes	sign-zone-now_attributes
Schema	`sign-zone-now schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/dnssec/sign-zone-now

sign-zone-now attributes

sign-zone-now attributes

zone-name

Description Specify the name for the DNS zone, empty means sign all zones

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

3.25 enable-password

Objects:

3.25.1 enable-password

Modify enable password parameters

enable-password Specification

Type	*operational*
Element Name	enable-password
Element URI	/axapi/v3/enable-password
Element Attributes	enable-password_attributes
Schema	`enable-password schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/enable-password

enable-password attributes

enable-password attributes

encrypted

Description Specific an ENCRYPTED password string (The ENCRYPTED password string)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description The password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

3.26 erase

Objects:

3.26.1 erase

Erase Configuration

erase Specification

Type	*operational*
Element Name	erase
Element URI	/axapi/v3/erase
Element Attributes	erase_attributes
Schema	`erase schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/erase

erase attributes

erase attributes

all-partitions

Description Wipe out all service config for all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

grubconfig

Description Reset boot grub settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preserve-accounts

Description preserve admin accounts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preserve-management

Description preserve managememt ip and default gateway

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reload

Description reload after erase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-config

Description Wipe out all service config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.27 export

Objects:

3.27.1 export

Put files to remote site

export Specification

Type	*operational*
Element Name	export
Element URI	/axapi/v3/export
Element Attributes	export_attributes
Schema	`export schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/export

export attributes

export attributes

aflex

Description aFleX Script Source File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-jwks

Description Json web key

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-portal

Description Portal file for http authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-portal-image

Description Image file for default portal

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

axdebug

Description AX Debug Packet File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

bw-list

Description Black white List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ca-cert

Description CA Cert File(enter bulk when export an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

class-list

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

csr

Description Certificate Signing Request

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

debug-monitor

Description Debug Monitor Output

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dnssec-dnskey

Description DNSSEC DNSKEY(KSK) file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

dnssec-ds

Description DNSSEC DS file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

externalfilename

Description Export the External Program from the System

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

fixed-nat

Description Fixed NAT Port Mapping File

Type: string

Maximum Length: 256 characters

Maximum Length: 1 characters

fixed-nat-archive

Description Fixed NAT Port Mapping Archive File

Type: string

Format: string-rlx

Maximum Length: 256 characters

Maximum Length: 1 characters

geo-location

Description Geo-location CSV File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-map-list

Description IP Map List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ipsec-error-dump

Description IPsec error dump File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

local-uri-file

Description Local URI files for http response

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lw-4o6

Description LW-4over6 Binding Table File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lw-4o6-binding-table-validation-log

Description LW-4over6 Binding Table Validation Log File

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

merged-pcap

Description Export the merged pcap file when there are multiple Export sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mon-entity-debug-file

Description Enter Mon entity debug file name

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

per-cpu

Description Export the per-cpu files along with the merged pcap file in .tgz format

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pktcapture-file

Description Enter Pktcapture file name

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

policy

Description WAF policy File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

profile

Description Startup-config Profile

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

Mutual Exclusion: remote-file and store-name are mutually exclusive

rpz

Description Response Policy Zone File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

running-config

Description Running Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

saml-idp-name

Description SAML metadata of identity provider

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ssl-cert

Description SSL Cert File(enter bulk when export an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ssl-cert-key

Description Local SSL Key/Certificate file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ssl-crl

Description SSL Crl File

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ssl-key

Description SSL Key File(enter bulk when export an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

startup-config

Description Startup Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

status-check

Description check export task status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

store

Description: store is a **JSON Block**. Please see below for *store*

Type: Object

Refernce Object: */axapi/v3/export/store*

store-name

Description Export store name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: store-name and remote-file are mutually exclusive

syslog

Description Syslog file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

tgz

Description Export the merged pcap in .tgz format

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

thales-kmdata

Description Thales Kmdata files

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

thales-secworld

Description Thales security world files

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

visibility

Description Export Visibility module related files

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wsdl

Description Web Services Definition Language File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

xml-schema

Description XML-Schema File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

store

Specification	
Type	*object*

create

Description Create an export store profile

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

delete

Description Delete an export store profile

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description profile name to store remote url

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

remote-file

Description

Type: string

Format: url

3.27.2 export store

Create store name for remote url

store Specification

Type	*operational*
Element Name	store
Element URI	/axapi/v3/export/store
Element Attributes	store_attributes
Schema	`store schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/export/store

store attributes

store attributes

create

Description Create an export store profile

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

delete

Description Delete an export store profile

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description profile name to store remote url

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

remote-file

Description

Type: string

Format: url

3.28 file

Objects:

3.28.1 file aflex

aflex file information and management commands

aflex Specification

Type	*operational*
Element Name	aflex
Element URI	/axapi/v3/file/aflex
Element Attributes	aflex_attributes
Operational Data URI	/axapi/v3/file/aflex/oper
Schema	`aflex schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/aflex

aflex attributes

aflex attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description aflex local file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description aflex file size in byte

Type: number

Range: 0-2147483647

skip-backup

Description Skip backup logic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.2 file auth-jwks

JWK file information and management commands

auth-jwks Specification

Type	*operational*
Element Name	auth-jwks
Element URI	/axapi/v3/file/auth-jwks
Element Attributes	auth-jwks_attributes
Operational Data URI	/axapi/v3/file/auth-jwks/oper
Schema	`auth-jwks schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/auth-jwks

auth-jwks attributes

auth-jwks attributes

action

Description 'create': create; 'import': import; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, copy, rename, check, replace, delete

dst-file

Description Destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description JWK local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description JWK file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.3 file auth-portal

Authentication portal file information and management commands

auth-portal Specification

Type	*operational*
Element Name	auth-portal
Element URI	/axapi/v3/file/auth-portal
Element Attributes	auth-portal_attributes
Operational Data URI	/axapi/v3/file/auth-portal/oper
Schema	`auth-portal schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/auth-portal

auth-portal attributes

auth-portal attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description Destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description Authentication portal local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description Authentication portal file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.4 file auth-portal-image

Authentication portal image file information and management commands

auth-portal-image Specification

Type	*operational*
Element Name	auth-portal-image
Element URI	/axapi/v3/file/auth-portal-image
Element Attributes	auth-portal-image_attributes
Operational Data URI	/axapi/v3/file/auth-portal-image/oper
Schema	`auth-portal-image schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/auth-portal-image

auth-portal-image attributes

auth-portal-image attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description Destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description Authentication portal image local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description Authentication portal image file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.5 file auth-saml-idp

SAML metadata file information and management commands

auth-saml-idp Specification

Type	*operational*
Element Name	auth-saml-idp
Element URI	/axapi/v3/file/auth-saml-idp
Element Attributes	auth-saml-idp_attributes
Operational Data URI	/axapi/v3/file/auth-saml-idp/oper
Schema	`auth-saml-idp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/auth-saml-idp

auth-saml-idp attributes

auth-saml-idp attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description Destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description SAML metadata local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description SAML metadata file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-xml-signature

Description Verify metadata's XML signature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

operational data

	Counter	Size	Description
	file-list		file-list

3.28.6 file aws-accesskey

The aws accesskey for admin user

aws-accesskey Specification

Type	*operational*
Element Name	aws-accesskey
Element URI	/axapi/v3/file/aws-accesskey
Element Attributes	aws-accesskey_attributes
Operational Data URI	/axapi/v3/file/aws-accesskey/oper
Schema	`aws-accesskey schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/aws-accesskey

aws-accesskey attributes

aws-accesskey attributes

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user

Description user name of the pub key

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.7 file axdebug

axdebug file information and management commands

axdebug Specification

Type	*operational*
Element Name	axdebug
Element URI	/axapi/v3/file/axdebug
Element Attributes	axdebug_attributes
Schema	`axdebug schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/axdebug

axdebug attributes

axdebug attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description axdebug local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description axdebug file size in byte

Type: number

Range: 0-2147483647

3.28.8 file bw-list

black white list file information and management commands

bw-list Specification

Type	*operational*
Element Name	bw-list
Element URI	/axapi/v3/file/bw-list
Element Attributes	bw-list_attributes
Operational Data URI	/axapi/v3/file/bw-list/oper
Schema	`bw-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/bw-list

bw-list attributes

bw-list attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description bw-list file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description bw-list file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.9 file ca-cert

ssl certificate file information and management commands

ca-cert Specification

Type	*operational*
Element Name	ca-cert
Element URI	/axapi/v3/file/ca-cert
Element Attributes	ca-cert_attributes
Operational Data URI	/axapi/v3/file/ca-cert/oper
Schema	`ca-cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/ca-cert

ca-cert attributes

ca-cert attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl ca certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

pfx-password-export

Description The password for exported certificate file (pfx type only)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

size

Description ssl ca certificate file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	partition	string	partition
	file-list		file-list

3.28.10 file class-list

class list file information and management commands

class-list Specification

Type	*operational*
Element Name	class-list
Element URI	/axapi/v3/file/class-list
Element Attributes	class-list_attributes
Operational Data URI	/axapi/v3/file/class-list/oper
Schema	`class-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/class-list

class-list attributes

class-list attributes

action

Description 'ceate': ceate; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description class list local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description class list file size in byte

Type: number

Range: 0-2147483647

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.11 file csr

ssl certificate signing request file

csr Specification

Type	*operational*
Element Name	csr
Element URI	/axapi/v3/file/csr
Element Attributes	csr_attributes
Operational Data URI	/axapi/v3/file/csr/oper
Schema	`csr schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/csr

csr attributes

csr attributes

action

Description 'export': export;

Type: string

Supported Values: export

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description Specify the File Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

size

Description CSR file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ssl-csr		ssl-csr
	sortby-name	flag	sortby-name

3.28.12 file debug-monitor

debug monitor file information and management commands

debug-monitor Specification

Type	*operational*
Element Name	debug-monitor
Element URI	/axapi/v3/file/debug-monitor
Element Attributes	debug-monitor_attributes
Schema	`debug-monitor schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/debug-monitor

debug-monitor attributes

debug-monitor attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description debug monitor local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description debug monitor file size in byte

Type: number

Range: 0-2147483647

3.28.13 file dnssec-dnskey

dnssec dnskey file information and management commands

dnssec-dnskey Specification

Type	*operational*
Element Name	dnssec-dnskey
Element URI	/axapi/v3/file/dnssec-dnskey
Element Attributes	dnssec-dnskey_attributes
Operational Data URI	/axapi/v3/file/dnssec-dnskey/oper
Schema	`dnssec-dnskey schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/dnssec-dnskey

dnssec-dnskey attributes

dnssec-dnskey attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

file

Description dnssec dnskey local file name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description dnssec dnskey file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.14 file dnssec-ds

dnssec ds file information and management commands

dnssec-ds Specification

Type	*operational*
Element Name	dnssec-ds
Element URI	/axapi/v3/file/dnssec-ds
Element Attributes	dnssec-ds_attributes
Operational Data URI	/axapi/v3/file/dnssec-ds/oper
Schema	`dnssec-ds schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/dnssec-ds

dnssec-ds attributes

dnssec-ds attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

file

Description dnssec ds local file name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description dnssec ds file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.15 file file-inspection-bw-list

File Inspection black white list file information and management commands

file-inspection-bw-list Specification

Type	*operational*
Element Name	file-inspection-bw-list
Element URI	/axapi/v3/file/file-inspection-bw-list
Element Attributes	file-inspection-bw-list_attributes
Schema	`file-inspection-bw-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/file-inspection-bw-list

file-inspection-bw-list attributes

file-inspection-bw-list attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description bw-list file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description bw-list file size in byte

Type: number

Range: 0-2147483647

3.28.16 file geo-location

Display waf files

geo-location Specification

Type	*operational*
Element Name	geo-location
Element URI	/axapi/v3/file/geo-location
Element Attributes	geo-location_attributes
Operational Data URI	/axapi/v3/file/geo-location/oper
Schema	`geo-location schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/geo-location

geo-location attributes

geo-location attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description geo-location database local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description geo-location database list file size in byte

Type: number

Range: 0-2147483647

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.17 file glm-cert

GLM certificate

glm-cert Specification

Type	*operational*
Element Name	glm-cert
Element URI	/axapi/v3/file/glm-cert
Element Attributes	glm-cert_attributes
Schema	`glm-cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/glm-cert

glm-cert attributes

glm-cert attributes

action

Description 'import': import;

Type: string

Supported Values: import

device

Description Device (Device ID)

Type: number

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description glm license local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

3.28.18 file glm-license

glm license file information and management commands

glm-license Specification

Type	*operational*
Element Name	glm-license
Element URI	/axapi/v3/file/glm-license
Element Attributes	glm-license_attributes
Schema	`glm-license schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/glm-license

glm-license attributes

glm-license attributes

action

Description 'import': import;

Type: string

Supported Values: import

device

Description Device (Device ID)

Type: number

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description glm license local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

3.28.19 file hc-pt-mapping

harmony-controller partition tenant mapping

hc-pt-mapping Specification

Type	*operational*
Element Name	hc-pt-mapping
Element URI	/axapi/v3/file/hc-pt-mapping
Element Attributes	hc-pt-mapping_attributes
Schema	`hc-pt-mapping schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/hc-pt-mapping

hc-pt-mapping attributes

hc-pt-mapping attributes

action

Description 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: import, export, copy, rename, check, replace, delete

file

Description harmony-controller local partition tenant mapping file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

3.28.20 file health-external

Address the External Script Program

health-external Specification

Type	*operational*
Element Name	health-external
Element URI	/axapi/v3/file/health-external
Element Attributes	health-external_attributes
Operational Data URI	/axapi/v3/file/health-external/oper
Schema	`health-external schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/health-external

health-external attributes

health-external attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

description

Description Describe the Program Function briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

file

Description Specify the Program Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description syslog file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.21 file health-postfile

Address the HTTP Post data file

health-postfile Specification

Type	*operational*
Element Name	health-postfile
Element URI	/axapi/v3/file/health-postfile
Element Attributes	health-postfile_attributes
Operational Data URI	/axapi/v3/file/health-postfile/oper
Schema	`health-postfile schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/health-postfile

health-postfile attributes

health-postfile attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

file

Description Specify the File Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description syslog file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.22 file license

license file information and management commands

license Specification

Type	*operational*
Element Name	license
Element URI	/axapi/v3/file/license
Element Attributes	license_attributes
Operational Data URI	/axapi/v3/file/license/oper
Schema	`license schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/license

license attributes

license attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

device

Description Device (Device ID)

Type: number

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description license local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description license file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	feature-list		feature-list
	file-list		file-list
	host-id	string	host-id

3.28.23 file local-uri-file

local uri file information and management commands

local-uri-file Specification

Type	*operational*
Element Name	local-uri-file
Element URI	/axapi/v3/file/local-uri-file
Element Attributes	local-uri-file_attributes
Operational Data URI	/axapi/v3/file/local-uri-file/oper
Schema	`local-uri-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/local-uri-file

local-uri-file attributes

local-uri-file attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description local uri file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.24 file log-backup

Backup system files

log-backup Specification

Type	*operational*
Element Name	log-backup
Element URI	/axapi/v3/file/log-backup
Element Attributes	log-backup_attributes
Schema	`log-backup schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/log-backup

log-backup attributes

log-backup attributes

all

Description all log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

date

Description specify number of days

Type: number

Range: 1-31

day

Description Most recent day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expedite

Description Expedite the Backup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

month

Description Most recent month

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify backup period

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data

Description Backup web statistical data

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

week

Description Most recent week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.28.25 file policy

WAF Policy file information and management commands

policy Specification

Type	*operational*
Element Name	policy
Element URI	/axapi/v3/file/policy
Element Attributes	policy_attributes
Operational Data URI	/axapi/v3/file/policy/oper
Schema	`policy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/policy

policy attributes

policy attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description Policy local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description Policy file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.26 file ssh-pubkey

The ssh pubkey for admin user

ssh-pubkey Specification

Type	*operational*
Element Name	ssh-pubkey
Element URI	/axapi/v3/file/ssh-pubkey
Element Attributes	ssh-pubkey_attributes
Operational Data URI	/axapi/v3/file/ssh-pubkey/oper
Schema	`ssh-pubkey schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/ssh-pubkey

ssh-pubkey attributes

ssh-pubkey attributes

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user

Description user name of the pub key

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.27 file ssl-cert

ssl certificate file information and management commands

ssl-cert Specification

Type	*operational*
Element Name	ssl-cert
Element URI	/axapi/v3/file/ssl-cert
Element Attributes	ssl-cert_attributes
Operational Data URI	/axapi/v3/file/ssl-cert/oper
Schema	`ssl-cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/ssl-cert

ssl-cert attributes

ssl-cert attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

pfx-password-export

Description The password for exported certificate file (pfx type only)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

size

Description ssl certificate file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	partition	string	partition
	file-list		file-list

3.28.28 file ssl-cert-key

ssl certificate and key file information and management commands

ssl-cert-key Specification

Type	*operational*
Element Name	ssl-cert-key
Element URI	/axapi/v3/file/ssl-cert-key
Element Attributes	ssl-cert-key_attributes
Schema	`ssl-cert-key schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/ssl-cert-key

ssl-cert-key attributes

ssl-cert-key attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

secured

Description Mark keys as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

size

Description ssl certificate file size in byte

Type: number

Range: 0-2147483647

3.28.29 file ssl-cert-poc

ssl certificate file information and management commands

ssl-cert-poc Specification

Type	*operational*
Element Name	ssl-cert-poc
Element URI	/axapi/v3/file/ssl-cert-poc
Element Attributes	ssl-cert-poc_attributes
Schema	`ssl-cert-poc schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/ssl-cert-poc

ssl-cert-poc attributes

ssl-cert-poc attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description public-key

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

size

Description ssl certificate file size in byte

Type: number

Range: 0-2147483647

3.28.30 file ssl-crl

ssl crl file information and management commands

ssl-crl Specification

Type	*operational*
Element Name	ssl-crl
Element URI	/axapi/v3/file/ssl-crl
Element Attributes	ssl-crl_attributes
Operational Data URI	/axapi/v3/file/ssl-crl/oper
Schema	`ssl-crl schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/ssl-crl

ssl-crl attributes

ssl-crl attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

file

Description ssl crl local file name

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

size

Description ssl crl file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	partition	string	partition
	file-list		file-list

3.28.31 file ssl-key

ssl key file information and management commands

ssl-key Specification

Type	*operational*
Element Name	ssl-key
Element URI	/axapi/v3/file/ssl-key
Element Attributes	ssl-key_attributes
Operational Data URI	/axapi/v3/file/ssl-key/oper
Schema	`ssl-key schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/ssl-key

ssl-key attributes

ssl-key attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

file

Description ssl key local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 300 characters

Maximum Length: 1 characters

secured

Description Mark as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

size

Description ssl key file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	partition	string	partition
	file-list		file-list

3.28.32 file startup-config

Contents of Startup Configuration

startup-config Specification

Type	*operational*
Element Name	startup-config
Element URI	/axapi/v3/file/startup-config
Element Attributes	startup-config_attributes
Operational Data URI	/axapi/v3/file/startup-config/oper
Schema	`startup-config schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/startup-config

startup-config attributes

startup-config attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: import

dst-file

Description destination file name for copy and rename action

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

file

Description startup-config local file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description startup-config file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	current-startup-config	string-rlx	current-startup-config
	sec-startup-config	string-rlx	sec-startup-config
	pri-startup-config	string-rlx	pri-startup-config
	dirty	number	dirty
	file-list		file-list

3.28.33 file syslog

syslog file information and management commands

syslog Specification

Type	*operational*
Element Name	syslog
Element URI	/axapi/v3/file/syslog
Element Attributes	syslog_attributes
Schema	`syslog schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/syslog

syslog attributes

syslog attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description syslog local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description syslog file size in byte

Type: number

Range: 0-2147483647

3.28.34 file system-backup

Backup system files

system-backup Specification

Type	*operational*
Element Name	system-backup
Element URI	/axapi/v3/file/system-backup
Element Attributes	system-backup_attributes
Schema	`system-backup schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/system-backup

system-backup attributes

system-backup attributes

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

3.28.35 file techsupport

Generate the current showtech file

techsupport Specification

Type	*operational*
Element Name	techsupport
Element URI	/axapi/v3/file/techsupport
Element Attributes	techsupport_attributes
Schema	`techsupport schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/techsupport

techsupport attributes

techsupport attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description techsupport local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

size

Description techsupport file size in byte

Type: number

Range: 0-2147483647

3.28.36 file template

upgrade acos wizard template

template Specification

Type	*operational*
Element Name	template
Element URI	/axapi/v3/file/template
Element Attributes	template_attributes
Operational Data URI	/axapi/v3/file/template/oper
Schema	`template schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/template

template attributes

template attributes

act-type

Description Specify ACT package type (i.e. slug/destination name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description aflex local file name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description aflex file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	single-act-upgrade-support	string	single-act-upgrade-support
	file-list		file-list

3.28.37 file waf

Display waf files

waf Specification

Type	*operational*
Element Name	waf
Element URI	/axapi/v3/file/waf
Element Attributes	waf_attributes
Operational Data URI	/axapi/v3/file/waf/oper
Schema	`waf schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/waf

waf attributes

waf attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.38 file web-category-license

License file to enable web-category feature activation

web-category-license Specification

Type	*operational*
Element Name	web-category-license
Element URI	/axapi/v3/file/web-category-license
Element Attributes	web-category-license_attributes
Schema	`web-category-license schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/web-category-license

web-category-license attributes

web-category-license attributes

action

Description 'import': import;

Type: string

Supported Values: import

device

Description Device (Device ID)

Type: number

file

Description Web-Category license local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description Full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description License file size in byte

Type: number

Range: 0-2147483647

use-mgmt-port

Description Enable management port for backend

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.28.39 file web-service-cert-key

Import web service's private key and certificate

web-service-cert-key Specification

Type	*operational*
Element Name	web-service-cert-key
Element URI	/axapi/v3/file/web-service-cert-key
Element Attributes	web-service-cert-key_attributes
Schema	`web-service-cert-key schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/web-service-cert-key

web-service-cert-key attributes

web-service-cert-key attributes

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

3.28.40 file wsdl

WSDL file information and management commands

wsdl Specification

Type	*operational*
Element Name	wsdl
Element URI	/axapi/v3/file/wsdl
Element Attributes	wsdl_attributes
Operational Data URI	/axapi/v3/file/wsdl/oper
Schema	`wsdl schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/wsdl

wsdl attributes

wsdl attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description WSDL local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description WSDL file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.28.41 file xml-schema

XML-Schema file information and management commands

xml-schema Specification

Type	*operational*
Element Name	xml-schema
Element URI	/axapi/v3/file/xml-schema
Element Attributes	xml-schema_attributes
Operational Data URI	/axapi/v3/file/xml-schema/oper
Schema	`xml-schema schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file/xml-schema

xml-schema attributes

xml-schema attributes

action

Description 'create': create; 'import': import; 'export': export; 'copy': copy; 'rename': rename; 'check': check; 'replace': replace; 'delete': delete;

Type: string

Supported Values: create, import, export, copy, rename, check, replace, delete

dst-file

Description destination file name for copy and rename action

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file

Description XML-Schema local file name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

file-handle

Description full path of the uploaded file

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

size

Description XML-Schema file size in byte

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.29 file-inspection

Objects:

3.29.1 file-inspection data-file

File Inspection black white list file information and management commands

data-file Specification

Type	*operational*
Element Name	data-file
Element URI	/axapi/v3/file-inspection/data-file
Element Attributes	data-file_attributes
Operational Data URI	/axapi/v3/file-inspection/data-file/oper
Schema	`data-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file-inspection/data-file

data-file attributes

data-file attributes

action

Description data file action

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

file-url

Description File URL

Type: string

Format: url

name

Description data file name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

source-ip-address

Description Source IP address

Type: string

Format: ipv4-address

Mutual Exclusion: source-ip-address and use-mgmt-port are mutually exclusive

type

Description data file type

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and source-ip-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.29.2 file-inspection status

Get upgrading status

status Specification

Type	*operational*
Element Name	status
Element URI	/axapi/v3/file-inspection/status
Element Attributes	status_attributes
Operational Data URI	/axapi/v3/file-inspection/status/oper
Schema	`status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/file-inspection/status

status attributes

status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	status	number	status
	message	string	message

3.30 fw

Objects:

3.30.1 fw apply-changes

Recompile rule-set immediately

apply-changes Specification

Type	*operational*
Element Name	apply-changes
Element URI	/axapi/v3/fw/apply-changes
Element Attributes	apply-changes_attributes
Schema	`apply-changes schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/fw/apply-changes

apply-changes attributes

apply-changes attributes

forced

Description Force recompile rule-set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.31 glm

Objects:

3.31.1 glm new-license

Create license

new-license Specification

Type	*operational*
Element Name	new-license
Element URI	/axapi/v3/glm/new-license
Element Attributes	new-license_attributes
Schema	`new-license schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/glm/new-license

new-license attributes

new-license attributes

account-name

Description Account Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

country

Description Country

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

existing-org

Description Use existing account with organization ID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

existing-user

Description Use an existing account with email and password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

first-name

Description First Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

glm-email

Description GLM email

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

glm-password

Description GLM password

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

last-name

Description Last Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

name

Description License name (Configure license name)

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-email

Description GLM email

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-password

Description GLM password

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-user

Description Create a new account

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

org-id

Description GLM organization id

Type: number

Range: 1-899760

phone

Description Phone

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

type

Description 'webroot': webroot; 'webroot_trial': webroot_trial; 'webroot_ti': webroot_ti; 'webroot_ti_trial': webroot_ti_trial; 'qosmos': qosmos; 'qosmos_trial': qosmos_trial; 'ipsec_vpn': ipsec_vpn;

Type: string

Supported Values: webroot, webroot_trial, webroot_ti, webroot_ti_trial, qosmos, qosmos_trial, ipsec_vpn

3.31.2 glm send

Trigger GLM Connect

send Specification

Type	*operational*
Element Name	send
Element URI	/axapi/v3/glm/send
Element Attributes	send_attributes
Schema	`send schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/glm/send

send attributes

send attributes

license-request

Description Do a single GLM license retrieval

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.32 gslb

Objects:

3.32.1 gslb geoloc

geoloc Specification

Type	*operational*
Element Name	geoloc
Element URI	/axapi/v3/gslb/geoloc
Element Attributes	geoloc_attributes
Operational Data URI	/axapi/v3/gslb/geoloc/oper
Schema	`geoloc schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/gslb/geoloc

geoloc attributes

geoloc attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ipv6rangestrt	ipv6-address	ipv6rangestrt
	pol-name	string	pol-name
	total-geolocs	number	total-geolocs
	iprangestrt	ipv4-address	iprangestrt
	filter4	enum	Output contains one of the following values: - ip, ipv6, ipstat, ipv6stat
	depth	number	depth
	iprangeend	ipv4-address	iprangeend
	filter1	enum	Output contains one of the following values: - directory, statistics, global
	filter3	enum	Output contains one of the following values: - directory, statistics, global
	filter2	enum	Output contains one of the following values: - directory, statistics, global
	geo-name	string	geo-name
	geoloc-list		geoloc-list

3.32.2 gslb geoloc-rdt

geoloc-rdt Specification

Type	*operational*
Element Name	geoloc-rdt
Element URI	/axapi/v3/gslb/geoloc-rdt
Element Attributes	geoloc-rdt_attributes
Operational Data URI	/axapi/v3/gslb/geoloc-rdt/oper
Schema	`geoloc-rdt schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/gslb/geoloc-rdt

geoloc-rdt attributes

geoloc-rdt attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	geoloc-rdt-list		geoloc-rdt-list
	geo-name	string	geo-name
	site-name	string	site-name
	active-status	string	active-status
	total-rdt	number	total-rdt

3.32.3 gslb geolocation-file

Geolocation File

geolocation-file Specification

Type	*operational*
Element Name	geolocation-file
Element URI	/axapi/v3/gslb/geolocation-file
Element Attributes	geolocation-file_attributes
Operational Data URI	/axapi/v3/gslb/geolocation-file/oper
Schema	`geolocation-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/gslb/geolocation-file

geolocation-file attributes

geolocation-file attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	geofiles		geofiles

3.32.4 gslb group-info

group-info Specification

Type	*operational*
Element Name	group-info
Element URI	/axapi/v3/gslb/group-info
Element Attributes	group-info_attributes
Operational Data URI	/axapi/v3/gslb/group-info/oper
Schema	`group-info schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/gslb/group-info

group-info attributes

group-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	member-list		member-list

3.32.5 gslb ip-list-info

Geo-location ip-lists

ip-list-info Specification

Type	*operational*
Element Name	ip-list-info
Element URI	/axapi/v3/gslb/ip-list-info
Element Attributes	ip-list-info_attributes
Operational Data URI	/axapi/v3/gslb/ip-list-info/oper
Schema	`ip-list-info schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/gslb/ip-list-info

ip-list-info attributes

ip-list-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ip-lists		ip-lists

3.32.6 gslb service-port

service-port Specification

Type	*operational*
Element Name	service-port
Element URI	/axapi/v3/gslb/service-port
Element Attributes	service-port_attributes
Operational Data URI	/axapi/v3/gslb/service-port/oper
Schema	`service-port schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/gslb/service-port

service-port attributes

service-port attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	service-port-list		service-port-list

3.33 harmony-controller

Objects:

3.33.1 harmony-controller profile re-sync

Harmony controller profile

re-sync Specification

Type	*operational*
Element Name	re-sync
Element URI	/axapi/v3/harmony-controller/profile/re-sync
Element Attributes	re-sync_attributes
Schema	`re-sync schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/harmony-controller/profile/re-sync

re-sync attributes

re-sync attributes

analytics-bus

Description re-sync analtyics bus connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schema-registry

Description re-sync the schema registry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.34 health

Objects:

3.34.1 health external copy

Copy external health monitor script

copy Specification

Type	*operational*
Element Name	copy
Element URI	/axapi/v3/health/external/copy
Element Attributes	copy_attributes
Schema	`copy schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/health/external/copy

copy attributes

copy attributes

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

3.34.2 health external create

Create external health monitor script

create Specification

Type	*operational*
Element Name	create
Element URI	/axapi/v3/health/external/create
Element Attributes	create_attributes
Schema	`create schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/health/external/create

create attributes

create attributes

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

3.34.3 health external delete

Delete external health monitor script

delete Specification

Type	*operational*
Element Name	delete
Element URI	/axapi/v3/health/external/delete
Element Attributes	delete_attributes
Schema	`delete schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/health/external/delete

delete attributes

delete attributes

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

3.34.4 health external edit

Edit external health monitor script

edit Specification

Type	*operational*
Element Name	edit
Element URI	/axapi/v3/health/external/edit
Element Attributes	edit_attributes
Schema	`edit schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/health/external/edit

edit attributes

edit attributes

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

3.34.5 health external rename

Rename external health monitor script

rename Specification

Type	*operational*
Element Name	rename
Element URI	/axapi/v3/health/external/rename
Element Attributes	rename_attributes
Schema	`rename schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/health/external/rename

rename attributes

rename attributes

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

3.35 hotfix

Objects:

3.35.1 hotfix

hotfix System

hotfix Specification

Type	*operational*
Element Name	hotfix
Element URI	/axapi/v3/hotfix
Element Attributes	hotfix_attributes
Schema	`hotfix schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/hotfix

hotfix attributes

hotfix attributes

apply

Description: apply is a **JSON Block**. Please see below for *apply*

Type: Object

Refernce Object: */axapi/v3/hotfix/apply*

revoke

Description revoke a hotfix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apply

Specification	
Type	*object*

file-url

Description File URL

Type: string

Format: url

image-file

Description image file from AXAPI

Type: string

Format: string-rlx

source-ip-address

Description Source ip address

Type: string

Format: ipv4-address

Mutual Exclusion: source-ip-address and use-mgmt-port are mutually exclusive

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and source-ip-address are mutually exclusive

3.35.2 hotfix apply

apply a hotfix

apply Specification

Type	*operational*
Element Name	apply
Element URI	/axapi/v3/hotfix/apply
Element Attributes	apply_attributes
Schema	`apply schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/hotfix/apply

apply attributes

apply attributes

file-url

Description File URL

Type: string

Format: url

image-file

Description image file from AXAPI

Type: string

Format: string-rlx

source-ip-address

Description Source ip address

Type: string

Format: ipv4-address

Mutual Exclusion: source-ip-address and use-mgmt-port are mutually exclusive

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and source-ip-address are mutually exclusive

3.36 import

Objects:

3.36.1 import

Get files from remote site

import Specification

Type	*operational*
Element Name	import
Element URI	/axapi/v3/import
Element Attributes	import_attributes
Schema	`import schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/import

import attributes

import attributes

aflex

Description aFleX Script Source File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-jwks

Description JSON web key

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-portal

Description Portal file for http authentication

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-portal-image

Description Image file for default portal

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-saml-idp

Description: auth-saml-idp is a **JSON Block**. Please see below for *auth-saml-idp*

Type: Object

Refernce Object: */axapi/v3/import/auth-saml-idp*

bios-file

Description BIOS Image file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

bw-list

Description Black white List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ca-cert

Description CA Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

class-list

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list-convert

Description Convert Class List File to A10 format

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list-type

Description 'ac': ac; 'ipv4': ipv4; 'ipv6': ipv6; 'string': string; 'string-case-insensitive': string-case-insensitive;

Type: string

Supported Values: ac, ipv4, ipv6, string, string-case-insensitive

cloud-config

Description Cloud Configuration File

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cloud-creds

Description Cloud Credentials File

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

dnssec-dnskey

Description DNSSEC DNSKEY(KSK) file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

dnssec-ds

Description DNSSEC DS file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

geo-location

Description Geo-location CSV File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

glm-cert

Description GLM certificate

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

glm-license

Description License File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-external

Description: health-external is a **JSON Block**. Please see below for *health-external*

Type: Object

Refernce Object: */axapi/v3/import/health-external*

health-postfile

Description: health-postfile is a **JSON Block**. Please see below for *health-postfile*

Type: Object

Refernce Object: */axapi/v3/import/health-postfile*

ip-map-list

Description IP Map List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

local-uri-file

Description Local URI files for http response

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lw-4o6

Description LW-4over6 Binding Table File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

policy

Description WAF policy File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

Mutual Exclusion: remote-file terminal and store-name are mutually exclusive

rpz

Description Response Policy Zone File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

secured

Description Mark as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert

Description SSL Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ssl-cert-key

Description 'bulk': import an archive file;

Type: string

Supported Values: bulk

ssl-crl

Description SSL Crl File

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ssl-key

Description SSL Key File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

store

Description: store is a **JSON Block**. Please see below for *store*

Type: Object

Refernce Object: */axapi/v3/import/store*

store-name

Description Import store name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: store-name terminal and remote-file are mutually exclusive

terminal

Description terminal vi

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: terminal remote-file and store-name are mutually exclusive

thales-kmdata

Description Thales Kmdata files

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

thales-secworld

Description Thales security world files

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

to-device

Description: to-device is a **JSON Block**. Please see below for *to-device*

Type: Object

Refernce Object: */axapi/v3/import/to-device*

usb-license

Description USB License File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

web-category-license

Description License file to enable web-category feature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

wsdl

Description Web Service Definition Language File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

xml-schema

Description XML-Schema File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-external

Specification	
Type	*object*

description

Description Describe the Program Function briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

externalfilename

Description Specify the Program Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-postfile

Specification	
Type	*object*

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

postfilename

Description Specify the File Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

remote-file

Description Profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

store

Specification	
Type	*object*

create

Description Create an import store profile

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

delete

Description Delete an import store profile

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description profile name to store remote url

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

remote-file

Description

Type: string

Format: url

to-device

Specification	
Type	*object*

device

Description Device (Device ID)

Type: number

glm-cert

Description GLM certificate

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

glm-license

Description License File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-category-license

Description License file to enable web-category feature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-saml-idp

Specification	
Type	*object*

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description Profile name for remote url

Type: string

Format: url

saml-idp-name

Description Metadata name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

verify-xml-signature

Description Verify metadata's XML signature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.36.2 import auth-saml-idp

SAML metadata of identity provider

auth-saml-idp Specification

Type	*operational*
Element Name	auth-saml-idp
Element URI	/axapi/v3/import/auth-saml-idp
Element Attributes	auth-saml-idp_attributes
Schema	`auth-saml-idp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/import/auth-saml-idp

auth-saml-idp attributes

auth-saml-idp attributes

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description Profile name for remote url

Type: string

Format: url

saml-idp-name

Description Metadata name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

verify-xml-signature

Description Verify metadata's XML signature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.36.3 import health-external

Address the External Script Program

health-external Specification

Type	*operational*
Element Name	health-external
Element URI	/axapi/v3/import/health-external
Element Attributes	health-external_attributes
Schema	`health-external schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/import/health-external

health-external attributes

health-external attributes

description

Description Describe the Program Function briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

externalfilename

Description Specify the Program Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.36.4 import health-postfile

Address the HTTP Post data file

health-postfile Specification

Type	*operational*
Element Name	health-postfile
Element URI	/axapi/v3/import/health-postfile
Element Attributes	health-postfile_attributes
Schema	`health-postfile schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/import/health-postfile

health-postfile attributes

health-postfile attributes

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

postfilename

Description Specify the File Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

remote-file

Description Profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.36.5 import store

Create store name for remote url

store Specification

Type	*operational*
Element Name	store
Element URI	/axapi/v3/import/store
Element Attributes	store_attributes
Schema	`store schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/import/store

store attributes

store attributes

create

Description Create an import store profile

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

delete

Description Delete an import store profile

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description profile name to store remote url

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

remote-file

Description

Type: string

Format: url

3.36.6 import to-device

specify the target device to import in aVCS

to-device Specification

Type	*operational*
Element Name	to-device
Element URI	/axapi/v3/import/to-device
Element Attributes	to-device_attributes
Schema	`to-device schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/import/to-device

to-device attributes

to-device attributes

device

Description Device (Device ID)

Type: number

glm-cert

Description GLM certificate

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

glm-license

Description License File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

web-category-license

Description License file to enable web-category feature

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.37 interface

Objects:

3.37.1 interface packet-size-bucket

display packet sized buckets from Hardware

packet-size-bucket Specification

Type	*operational*
Element Name	packet-size-bucket
Element URI	/axapi/v3/interface/packet-size-bucket
Element Attributes	packet-size-bucket_attributes
Operational Data URI	/axapi/v3/interface/packet-size-bucket/oper
Schema	`packet-size-bucket schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/interface/packet-size-bucket

packet-size-bucket attributes

packet-size-bucket attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	interfaces		interfaces

3.37.2 interface switch-drop-reason

display packet drop reasons from Hardware

switch-drop-reason Specification

Type	*operational*
Element Name	switch-drop-reason
Element URI	/axapi/v3/interface/switch-drop-reason
Element Attributes	switch-drop-reason_attributes
Operational Data URI	/axapi/v3/interface/switch-drop-reason/oper
Schema	`switch-drop-reason schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/interface/switch-drop-reason

switch-drop-reason attributes

switch-drop-reason attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	interfaces		interfaces

3.38 ip

Objects:

3.38.1 ip fib

show ip fib

fib Specification

Type	*operational*
Element Name	fib
Element URI	/axapi/v3/ip/fib
Element Attributes	fib_attributes
Operational Data URI	/axapi/v3/ip/fib/oper
Schema	`fib schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/ip/fib

fib attributes

fib attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	Total_Paths	number	Total_Paths
	Total_Routes	number	Total_Routes
	IPv4-fib		IPv4-fib

3.38.2 ip fib-summary

show ip fib summary

fib-summary Specification

Type	*operational*
Element Name	fib-summary
Element URI	/axapi/v3/ip/fib-summary
Element Attributes	fib-summary_attributes
Operational Data URI	/axapi/v3/ip/fib-summary/oper
Schema	`fib-summary schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/ip/fib-summary

fib-summary attributes

fib-summary attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	static_dynamic_routes	number	static_dynamic_routes
	static_dynamic_paths	number	static_dynamic_paths
	total_routes	number	total_routes
	total_paths	number	total_paths
	connected_routes	number	connected_routes

3.39 ipv6

Objects:

3.39.1 ipv6 fib

show ipv6 fib

fib Specification

Type	*operational*
Element Name	fib
Element URI	/axapi/v3/ipv6/fib
Element Attributes	fib_attributes
Operational Data URI	/axapi/v3/ipv6/fib/oper
Schema	`fib schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/ipv6/fib

fib attributes

fib attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	Total_Paths	number	Total_Paths
	Total_Routes	number	Total_Routes
	IPv6-fib		IPv6-fib

3.39.2 ipv6 fib-summary

show ipv6 fib summary

fib-summary Specification

Type	*operational*
Element Name	fib-summary
Element URI	/axapi/v3/ipv6/fib-summary
Element Attributes	fib-summary_attributes
Operational Data URI	/axapi/v3/ipv6/fib-summary/oper
Schema	`fib-summary schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/ipv6/fib-summary

fib-summary attributes

fib-summary attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	static_dynamic_routes	number	static_dynamic_routes
	static_dynamic_paths	number	static_dynamic_paths
	total_routes	number	total_routes
	total_paths	number	total_paths
	connected_routes	number	connected_routes

3.40 link

Objects:

3.40.1 link

Link to Configuration Profile

link Specification

Type	*operational*
Element Name	link
Element URI	/axapi/v3/link
Element Attributes	link_attributes
Schema	`link schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/link

link attributes

link attributes

startup-config

Description: startup-config is a **JSON Block**. Please see below for *startup-config*

Type: Object

Refernce Object: */axapi/v3/link/startup-config*

startup-config

Specification	
Type	*object*

all-partitions

Description All-partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default

Description Default startup-config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-name

Description Local Configuration Profile Name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

primary

Description Create link in primary partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secondary

Description Create link in secondary partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.40.2 link startup-config

Startup Configuration

startup-config Specification

Type	*operational*
Element Name	startup-config
Element URI	/axapi/v3/link/startup-config
Element Attributes	startup-config_attributes
Schema	`startup-config schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/link/startup-config

startup-config attributes

startup-config attributes

all-partitions

Description All-partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default

Description Default startup-config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-name

Description Local Configuration Profile Name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

primary

Description Create link in primary partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secondary

Description Create link in secondary partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.41 locale

Objects:

3.41.1 locale test

To test current terminal encodings for specific locale

test Specification

Type	*operational*
Element Name	test
Element URI	/axapi/v3/locale/test
Element Attributes	test_attributes
Schema	`test schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/locale/test

test attributes

test attributes

locale

Description 'zh_CN': Chinese locale for PRC; 'zh_TW': Chinese locale for Taiwan; 'ja_JP': Japanese locale for Japan;

Type: string

Supported Values: zh_CN, zh_TW, ja_JP

3.42 logging

Objects:

3.42.1 logging export

Export cached log items to the specified destination

export Specification

Type	*operational*
Element Name	export
Element URI	/axapi/v3/logging/export
Element Attributes	export_attributes
Schema	`export schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/export

export attributes

export attributes

all

Description System support messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remote-file

Description Remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.42.2 logging local-log access

EP access log Info

access Specification

Type	*operational*
Element Name	access
Element URI	/axapi/v3/logging/local-log/access
Element Attributes	access_attributes
Schema	`access schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/access

access attributes

access attributes

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/access/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/access/top-n*

top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.42.3 logging local-log access log

Access Log Info

log Specification

Type	*operational*
Element Name	log
Element URI	/axapi/v3/logging/local-log/access/log
Element Attributes	log_attributes
Operational Data URI	/axapi/v3/logging/local-log/access/log/oper
Schema	`log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/access/log

log attributes

log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	log-list		log-list
	interval-position	string	interval-position
	interval	string	interval
	max-entries	number	max-entries
	start-time	string	start-time
	total	number	total

3.42.4 logging local-log access top-n

Access Log Info

top-n Specification

Type	*operational*
Element Name	top-n
Element URI	/axapi/v3/logging/local-log/access/top-n
Element Attributes	top-n_attributes
Operational Data URI	/axapi/v3/logging/local-log/access/top-n/oper
Schema	`top-n schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/access/top-n

top-n attributes

top-n attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	log-list		log-list
	interval-position	string	interval-position
	top	string	top
	interval	string	interval
	max-entries	number	max-entries
	action	string	action
	start-time	string	start-time
	total	number	total

3.42.5 logging local-log app-fw

Application firewall

app-fw Specification

Type	*operational*
Element Name	app-fw
Element URI	/axapi/v3/logging/local-log/app-fw
Element Attributes	app-fw_attributes
Operational Data URI	/axapi/v3/logging/local-log/app-fw/oper
Schema	`app-fw schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/app-fw

app-fw attributes

app-fw attributes

dot-plot

Description: dot-plot is a **JSON Block**. Please see below for *dot-plot*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/app-fw/dot-plot*

top-n

Description: top-n is a **JSON Block**. Please see below for *top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/app-fw/top-n*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dot-plot

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	log-list		log-list
	interval-position	string	interval-position
	interval	string	interval
	max-entries	number	max-entries
	destination-threat-category-match	string	destination-threat-category-match
	source-threat-category-match	string	source-threat-category-match
	start-time	string	start-time
	total	number	total

3.42.6 logging local-log app-fw dot-plot

Application firewall dot plot

dot-plot Specification

Type	*operational*
Element Name	dot-plot
Element URI	/axapi/v3/logging/local-log/app-fw/dot-plot
Element Attributes	dot-plot_attributes
Operational Data URI	/axapi/v3/logging/local-log/app-fw/dot-plot/oper
Schema	`dot-plot schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/app-fw/dot-plot

dot-plot attributes

dot-plot attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	log-list		log-list
	client-ip	ipv4-address	client-ip
	application-name	string	application-name
	data	string	data
	interval	string	interval
	interval-position	string	interval-position
	total	number	total
	start-time	string	start-time

3.42.7 logging local-log app-fw top-n

Application firewall

top-n Specification

Type	*operational*
Element Name	top-n
Element URI	/axapi/v3/logging/local-log/app-fw/top-n
Element Attributes	top-n_attributes
Operational Data URI	/axapi/v3/logging/local-log/app-fw/top-n/oper
Schema	`top-n schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/app-fw/top-n

top-n attributes

top-n attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	category	string	category
	log-list		log-list
	interval-position	string	interval-position
	application-name	string	application-name
	top	string	top
	interval	string	interval
	max-entries	number	max-entries
	action	string	action
	threat-category-match	string	threat-category-match
	threat-category	string	threat-category
	client-ip	ipv4-address	client-ip
	start-time	string	start-time
	total	number	total

3.42.8 logging local-log authentication

authentication log

authentication Specification

Type	*operational*
Element Name	authentication
Element URI	/axapi/v3/logging/local-log/authentication
Element Attributes	authentication_attributes
Schema	`authentication schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/authentication

authentication attributes

authentication attributes

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/authentication/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/authentication/top-n*

top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.42.9 logging local-log authentication log

Authentication Log Info

log Specification

Type	*operational*
Element Name	log
Element URI	/axapi/v3/logging/local-log/authentication/log
Element Attributes	log_attributes
Operational Data URI	/axapi/v3/logging/local-log/authentication/log/oper
Schema	`log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/authentication/log

log attributes

log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	log-list		log-list
	interval-position	string	interval-position
	interval	string	interval
	max-entries	number	max-entries
	start-time	string	start-time
	total	number	total

3.42.10 logging local-log authentication top-n

Authentication Log Info

top-n Specification

Type	*operational*
Element Name	top-n
Element URI	/axapi/v3/logging/local-log/authentication/top-n
Element Attributes	top-n_attributes
Operational Data URI	/axapi/v3/logging/local-log/authentication/top-n/oper
Schema	`top-n schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/authentication/top-n

top-n attributes

top-n attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	auth-result	string	auth-result
	interval-position	string	interval-position
	top	string	top
	interval	string	interval
	log-list		log-list
	max-entries	number	max-entries
	start-time	string	start-time
	total	number	total

3.42.11 logging local-log file-category

File category Info

file-category Specification

Type	*operational*
Element Name	file-category
Element URI	/axapi/v3/logging/local-log/file-category
Element Attributes	file-category_attributes
Operational Data URI	/axapi/v3/logging/local-log/file-category/oper
Schema	`file-category schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/file-category

file-category attributes

file-category attributes

top-n

Description: top-n is a **JSON Block**. Please see below for *top-n*

Type: Object

Refernce Object: */axapi/v3/logging/local-log/file-category/top-n*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-n

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	log-list		log-list
	interval-position	string	interval-position
	interval	string	interval
	max-entries	number	max-entries
	start-time	string	start-time
	total	number	total

3.42.12 logging local-log file-category top-n

File category Info

top-n Specification

Type	*operational*
Element Name	top-n
Element URI	/axapi/v3/logging/local-log/file-category/top-n
Element Attributes	top-n_attributes
Operational Data URI	/axapi/v3/logging/local-log/file-category/top-n/oper
Schema	`top-n schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/logging/local-log/file-category/top-n

top-n attributes

top-n attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-category	string	file-category
	log-list		log-list
	interval-position	string	interval-position
	top	string	top
	interval	string	interval
	max-entries	number	max-entries
	start-time	string	start-time
	total	number	total

3.43 miscellenious-alb

Objects:

3.43.1 miscellenious-alb

Miscellenious Information Used for CLI rendering

miscellenious-alb Specification

Type	*operational*
Element Name	miscellenious-alb
Element URI	/axapi/v3/miscellenious-alb
Element Attributes	miscellenious-alb_attributes
Operational Data URI	/axapi/v3/miscellenious-alb/oper
Schema	`miscellenious-alb schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/miscellenious-alb

miscellenious-alb attributes

miscellenious-alb attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	crash-count	number	crash-count
	uptime	number	uptime
	reboot-num	number	reboot-num

3.44 multi-ctrl-cpu

Objects:

3.44.1 multi-ctrl-cpu

Enable Multiple Control CPUs

multi-ctrl-cpu Specification

Type	*operational*
Element Name	multi-ctrl-cpu
Element URI	/axapi/v3/multi-ctrl-cpu
Element Attributes	multi-ctrl-cpu_attributes
Schema	`multi-ctrl-cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/multi-ctrl-cpu

multi-ctrl-cpu attributes

multi-ctrl-cpu attributes

num-ctrl-cpus

Description Enter a number between 1 and less than half of the total number of CPUs, default is 1

Type: number

3.45 network

Objects:

3.45.1 network arp dynamic

Dynamic ARP commands

dynamic Specification

Type	*operational*
Element Name	dynamic
Element URI	/axapi/v3/network/arp/dynamic
Element Attributes	dynamic_attributes
Operational Data URI	/axapi/v3/network/arp/dynamic/oper
Schema	`dynamic schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/network/arp/dynamic

dynamic attributes

dynamic attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	arp-list		arp-list

3.45.2 network mac-address dynamic

dynamic MAC commands

dynamic Specification

Type	*operational*
Element Name	dynamic
Element URI	/axapi/v3/network/mac-address/dynamic
Element Attributes	dynamic_attributes
Operational Data URI	/axapi/v3/network/mac-address/dynamic/oper
Schema	`dynamic schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/network/mac-address/dynamic

dynamic attributes

dynamic attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	Age-time	number	Age-time
	macoper		macoper

3.46 ntp-status

Objects:

3.46.1 ntp-status

Get the status of NTP Servers

ntp-status Specification

Type	*operational*
Element Name	ntp-status
Element URI	/axapi/v3/ntp-status
Element Attributes	ntp-status_attributes
Operational Data URI	/axapi/v3/ntp-status/oper
Schema	`ntp-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/ntp-status

ntp-status attributes

ntp-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	server		server

3.47 partition-all

Objects:

3.47.1 partition-all

Display all partitions in the system

partition-all Specification

Type	*operational*
Element Name	partition-all
Element URI	/axapi/v3/partition-all
Element Attributes	partition-all_attributes
Operational Data URI	/axapi/v3/partition-all/oper
Schema	`partition-all schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/partition-all

partition-all attributes

partition-all attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	partition-list		partition-list
	manageable	flag	manageable
	active-partition-count	number	active-partition-count

3.48 partition-available-id

Objects:

3.48.1 partition-available-id

Display the available id can be used to create partition

partition-available-id Specification

Type	*operational*
Element Name	partition-available-id
Element URI	/axapi/v3/partition-available-id
Element Attributes	partition-available-id_attributes
Operational Data URI	/axapi/v3/partition-available-id/oper
Schema	`partition-available-id schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/partition-available-id

partition-available-id attributes

partition-available-id attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	range-list		range-list

3.49 pki

Objects:

3.49.1 pki ca-cert

ca-cert Specification

Type	*operational*
Element Name	ca-cert
Element URI	/axapi/v3/pki/ca-cert
Element Attributes	ca-cert_attributes
Operational Data URI	/axapi/v3/pki/ca-cert/oper
Schema	`ca-cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/pki/ca-cert

ca-cert attributes

ca-cert attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	exact-match	flag	exact-match
	sortby-exp	flag	sortby-exp
	certs		certs
	sortby-name	flag	sortby-name
	partition	string	partition

3.49.2 pki cert

cert Specification

Type	*operational*
Element Name	cert
Element URI	/axapi/v3/pki/cert
Element Attributes	cert_attributes
Statistics Data URI	/axapi/v3/pki/cert/stats
Operational Data URI	/axapi/v3/pki/cert/oper
Schema	`cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/pki/cert

cert attributes

cert attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	exact-match	flag	exact-match
	sortby-exp	flag	sortby-exp
	certs		certs
	sortby-name	flag	sortby-name
	partition	string	partition

3.49.3 pki copy-cert

Copy SSL certificate to another file

copy-cert Specification

Type	*operational*
Element Name	copy-cert
Element URI	/axapi/v3/pki/copy-cert
Element Attributes	copy-cert_attributes
Schema	`copy-cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/pki/copy-cert

copy-cert attributes

copy-cert attributes

dest-cert

Description Destination certificate file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

overwrite

Description Overwrite the destination file if already present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotation

Description Specify rotation number of SCEP generated certificate file

Type: number

Range: 1-4

src-cert

Description Source certificate file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

3.49.4 pki copy-key

Copy SSL key to another file

copy-key Specification

Type	*operational*
Element Name	copy-key
Element URI	/axapi/v3/pki/copy-key
Element Attributes	copy-key_attributes
Schema	`copy-key schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/pki/copy-key

copy-key attributes

copy-key attributes

dest-key

Description Destination key file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

overwrite

Description Overwrite the destination file if already present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotation

Description Specify rotation number of SCEP generated key file

Type: number

Range: 1-4

src-key

Description Source key file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

3.49.5 pki delete

Delete SSL cert

delete Specification

Type	*operational*
Element Name	delete
Element URI	/axapi/v3/pki/delete
Element Attributes	delete_attributes
Operational Data URI	/axapi/v3/pki/delete/oper
Schema	`delete schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/pki/delete

delete attributes

delete attributes

ca

Description CA certificate file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

cert-name

Description Certificate file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

crl

Description CRL file name

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

csr

Description CSR file name

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

private-key

Description Private key file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

3.49.6 pki ssli generate crl

Generate a CRL for for a vport

crl Specification

Type	*operational*
Element Name	crl
Element URI	/axapi/v3/pki/ssli/generate/crl
Element Attributes	crl_attributes
Schema	`crl schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/pki/ssli/generate/crl

crl attributes

crl attributes

port

Description port number

Type: number

Range: 0-65534

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.49.7 pki ssli revoke

Revoke an SSLi certificate

revoke Specification

Type	*operational*
Element Name	revoke
Element URI	/axapi/v3/pki/ssli/revoke
Element Attributes	revoke_attributes
Schema	`revoke schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/pki/ssli/revoke

revoke attributes

revoke attributes

port

Description port number

Type: number

Range: 0-65534

serial

Description Serial number in hex

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.50 plat-cpu-drop

Objects:

3.50.1 plat-cpu-drop

Miscellenious Information Used for CLI rendering

plat-cpu-drop Specification

Type	*operational*
Element Name	plat-cpu-drop
Element URI	/axapi/v3/plat-cpu-drop
Element Attributes	plat-cpu-drop_attributes
Operational Data URI	/axapi/v3/plat-cpu-drop/oper
Schema	`plat-cpu-drop schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/plat-cpu-drop

plat-cpu-drop attributes

plat-cpu-drop attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	drop-seg		drop-seg
	rate-limit	number	rate-limit
	fpga-seg		fpga-seg
	rate-limit-drp		rate-limit-drp

3.51 plat-cpu-packet

Objects:

3.51.1 plat-cpu-packet

Miscellenious Information Used for CLI rendering

plat-cpu-packet Specification

Type	*operational*
Element Name	plat-cpu-packet
Element URI	/axapi/v3/plat-cpu-packet
Element Attributes	plat-cpu-packet_attributes
Operational Data URI	/axapi/v3/plat-cpu-packet/oper
Schema	`plat-cpu-packet schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/plat-cpu-packet

plat-cpu-packet attributes

plat-cpu-packet attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	pkt-stats		pkt-stats

3.52 poap

Objects:

3.52.1 poap

Set POAP; when next boot, if startup-config is empty, system will enter POAP Mode

poap Specification

Type	*operational*
Element Name	poap
Element URI	/axapi/v3/poap
Element Attributes	poap_attributes
Schema	`poap schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/poap

poap attributes

poap attributes

action

Description 'enable': Enable POAP mode; 'disable': Disable POAP mode;

Type: string

Supported Values: enable, disable

3.53 reboot

Objects:

3.53.1 reboot

Reboot the System

reboot Specification

Type	*operational*
Element Name	reboot
Element URI	/axapi/v3/reboot
Element Attributes	reboot_attributes
Schema	`reboot schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/reboot

reboot attributes

reboot attributes

all

Description Reboot all devices when VCS is enabled, or only this device itself if VCS is not enabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

at

Description Reboot at a Specific time/date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cancel

Description Cancel Pending Reboot

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

day-of-month

Description Day of the Month

Type: number

Range: 1-31

day-of-month-2

Description Day of the Month

Type: number

Range: 1-31

device

Description Reboot a specific device when VCS is enabled (device id)

Type: number

in

Description Reboot after a time interval (Time in hours and minutes)

Type: string

Format: time-hhmm

month

Description 'January': Month of the year; 'February': Month of the year; 'March': Month of the year; 'April': Month of the year; 'May': Month of the year; 'June': Month of the year; 'July': Month of the year; 'August': Month of the year; 'September': Month of the year; 'October': Month of the year; 'November': Month of the year; 'December': Month of the year;

Type: string

Supported Values: January, February, March, April, May, June, July, August, September, October, November, December

month-2

Description 'January': Month of the year; 'February': Month of the year; 'March': Month of the year; 'April': Month of the year; 'May': Month of the year; 'June': Month of the year; 'July': Month of the r; 'August': Month of the year; 'September': Month of the year; 'October': Month of the year; 'November': Month of the year; 'December': Month of the year;

Type: string

Supported Values: January, February, March, April, May, June, July, August, September, October, November, December

reason

Description Reason for Reboot

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

reason-2

Description Reason for Reboot

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

reason-3

Description Reason for Reboot

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

time

Description Time to Reboot (hh:mm)

Type: string

Format: time-hhmm

3.54 reload

Objects:

3.54.1 reload

Reload the system without rebooting

reload Specification

Type	*operational*
Element Name	reload
Element URI	/axapi/v3/reload
Element Attributes	reload_attributes
Schema	`reload schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/reload

reload attributes

reload attributes

all

Description Reload all devices when VCS is enabled, or only this device itself if VCS is not enabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

device

Description Reload a specific device when VCS is enabled (device id)

Type: number

3.55 rename

Objects:

3.55.1 rename

Rename Object Name

rename Specification

Type	*operational*
Element Name	rename
Element URI	/axapi/v3/rename
Element Attributes	rename_attributes
Schema	`rename schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rename

rename attributes

rename attributes

instance-name

Description Old Instance Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

new-instance-name

Description New Instance Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

object

Description Lineage of object class for renaming operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

3.56 report

Objects:

3.56.1 report debug

Report debugging options

debug Specification

Type	*operational*
Element Name	debug
Element URI	/axapi/v3/report/debug
Element Attributes	debug_attributes
Schema	`debug schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/report/debug

debug attributes

debug attributes

log

Description Enable Report module's normal logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sflow

Description Enable debugging logs of sFlow parser

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.57 restore

Objects:

3.57.1 restore

Restore system files

restore Specification

Type	*operational*
Element Name	restore
Element URI	/axapi/v3/restore
Element Attributes	restore_attributes
Schema	`restore schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/restore

restore attributes

restore attributes

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description Remote file path

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.58 rrd

Objects:

3.58.1 rrd

RRD statistics

rrd Specification

Type	*Intermediate Resource*
Element Name	rrd
Element URI	/axapi/v3/rrd
Element Attributes	rrd_attributes
Schema	`rrd schema`

Operations Allowed:

Get Object

GET

/axapi/v3/rrd

rrd_attributes

rrd attributes

cgn

Description: cgn is a **JSON Block**. Please see below for *cgn*

Type: Object

Refernce Object: */axapi/v3/rrd/cgn*

cpu

Description: cpu is a **JSON Block**. Please see below for *cpu*

Type: Object

Refernce Object: */axapi/v3/rrd/cpu*

cpuavg

Description: cpuavg is a **JSON Block**. Please see below for *cpuavg*

Type: Object

Refernce Object: */axapi/v3/rrd/cpuavg*

disk

Description: disk is a **JSON Block**. Please see below for *disk*

Type: Object

Refernce Object: */axapi/v3/rrd/disk*

ethernet

Description: ethernet is a **JSON Block**. Please see below for *ethernet*

Type: Object

Refernce Object: */axapi/v3/rrd/ethernet*

ethernet-all

Description: ethernet-all is a **JSON Block**. Please see below for *ethernet-all*

Type: Object

Refernce Object: */axapi/v3/rrd/ethernet-all*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Refernce Object: */axapi/v3/rrd/global*

memory

Description: memory is a **JSON Block**. Please see below for *memory*

Type: Object

Refernce Object: */axapi/v3/rrd/memory*

performance

Description: performance is a **JSON Block**. Please see below for *performance*

Type: Object

Refernce Object: */axapi/v3/rrd/performance*

slb-server

Description: slb-server is a **JSON Block**. Please see below for *slb-server*

Type: Object

Refernce Object: */axapi/v3/rrd/slb-server*

slb-service-group

Description: slb-service-group is a **JSON Block**. Please see below for *slb-service-group*

Type: Object

Refernce Object: */axapi/v3/rrd/slb-service-group*

slb-virtual-server

Description: slb-virtual-server is a **JSON Block**. Please see below for *slb-virtual-server*

Type: Object

Refernce Object: */axapi/v3/rrd/slb-virtual-server*

ethernet-all

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-virtual-server

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgn

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-service-group

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

memory

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

performance

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpuavg

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-server

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disk

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.58.2 rrd cgn

cgn data in RRD

cgn Specification

Type	*operational*
Element Name	cgn
Element URI	/axapi/v3/rrd/cgn
Element Attributes	cgn_attributes
Operational Data URI	/axapi/v3/rrd/cgn/oper
Schema	`cgn schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/cgn

cgn attributes

cgn attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	cgn-data		cgn-data
	end-time	number	end-time
	start-time	number	start-time

3.58.3 rrd cpu

CPU usage in RRD

cpu Specification

Type	*operational*
Element Name	cpu
Element URI	/axapi/v3/rrd/cpu
Element Attributes	cpu_attributes
Operational Data URI	/axapi/v3/rrd/cpu/oper
Schema	`cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/cpu

cpu attributes

cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	cpu-usage		cpu-usage
	end-time	number	end-time
	start-time	number	start-time

3.58.4 rrd cpuavg

CPU average usage in RRD

cpuavg Specification

Type	*operational*
Element Name	cpuavg
Element URI	/axapi/v3/rrd/cpuavg
Element Attributes	cpuavg_attributes
Operational Data URI	/axapi/v3/rrd/cpuavg/oper
Schema	`cpuavg schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/cpuavg

cpuavg attributes

cpuavg attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	cpu-usage		cpu-usage
	end-time	number	end-time
	start-time	number	start-time

3.58.5 rrd disk

Disk usage in RRD

disk Specification

Type	*operational*
Element Name	disk
Element URI	/axapi/v3/rrd/disk
Element Attributes	disk_attributes
Operational Data URI	/axapi/v3/rrd/disk/oper
Schema	`disk schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/disk

disk attributes

disk attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	end-time	number	end-time
	start-time	number	start-time
	total-disk	string	total-disk
	disk-usage		disk-usage

3.58.6 rrd ethernet

ethernet statistics in RRD

ethernet Specification

Type	*operational*
Element Name	ethernet
Element URI	/axapi/v3/rrd/ethernet
Element Attributes	ethernet_attributes
Operational Data URI	/axapi/v3/rrd/ethernet/oper
Schema	`ethernet schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/ethernet

ethernet attributes

ethernet attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ethernet-index	number	ethernet-index
	end-time	number	end-time
	start-time	number	start-time
	ethernet-statistics		ethernet-statistics

3.58.7 rrd ethernet-all

all ethernet statistics in RRD

ethernet-all Specification

Type	*operational*
Element Name	ethernet-all
Element URI	/axapi/v3/rrd/ethernet-all
Element Attributes	ethernet-all_attributes
Operational Data URI	/axapi/v3/rrd/ethernet-all/oper
Schema	`ethernet-all schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/ethernet-all

ethernet-all attributes

ethernet-all attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ethernet-statistics		ethernet-statistics
	end-time	number	end-time
	start-time	number	start-time

3.58.8 rrd global

global session data in RRD

global Specification

Type	*operational*
Element Name	global
Element URI	/axapi/v3/rrd/global
Element Attributes	global_attributes
Operational Data URI	/axapi/v3/rrd/global/oper
Schema	`global schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/global

global attributes

global attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	global-data		global-data
	end-time	number	end-time
	start-time	number	start-time

3.58.9 rrd memory

Memory usage in RRD

memory Specification

Type	*operational*
Element Name	memory
Element URI	/axapi/v3/rrd/memory
Element Attributes	memory_attributes
Operational Data URI	/axapi/v3/rrd/memory/oper
Schema	`memory schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/memory

memory attributes

memory attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	mem-usage		mem-usage
	end-time	number	end-time
	start-time	number	start-time

3.58.10 rrd performance

performance data in RRD

performance Specification

Type	*operational*
Element Name	performance
Element URI	/axapi/v3/rrd/performance
Element Attributes	performance_attributes
Operational Data URI	/axapi/v3/rrd/performance/oper
Schema	`performance schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/performance

performance attributes

performance attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	end-time	number	end-time
	start-time	number	start-time
	performance-data		performance-data

3.58.11 rrd slb-server

slb server statistics in RRD

slb-server Specification

Type	*operational*
Element Name	slb-server
Element URI	/axapi/v3/rrd/slb-server
Element Attributes	slb-server_attributes
Operational Data URI	/axapi/v3/rrd/slb-server/oper
Schema	`slb-server schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/slb-server

slb-server attributes

slb-server attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	slb-server-statistics		slb-server-statistics
	slb-server-name	string	slb-server-name
	end-time	number	end-time
	start-time	number	start-time

3.58.12 rrd slb-service-group

slb service group statistics in RRD

slb-service-group Specification

Type	*operational*
Element Name	slb-service-group
Element URI	/axapi/v3/rrd/slb-service-group
Element Attributes	slb-service-group_attributes
Operational Data URI	/axapi/v3/rrd/slb-service-group/oper
Schema	`slb-service-group schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/slb-service-group

slb-service-group attributes

slb-service-group attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	slb-server-statistics		slb-server-statistics
	end-time	number	end-time
	start-time	number	start-time
	slb-service-group-name	string	slb-service-group-name

3.58.13 rrd slb-virtual-server

slb virtual server statistics in RRD

slb-virtual-server Specification

Type	*operational*
Element Name	slb-virtual-server
Element URI	/axapi/v3/rrd/slb-virtual-server
Element Attributes	slb-virtual-server_attributes
Operational Data URI	/axapi/v3/rrd/slb-virtual-server/oper
Schema	`slb-virtual-server schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rrd/slb-virtual-server

slb-virtual-server attributes

slb-virtual-server attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	slb-server-statistics		slb-server-statistics
	slb-virtual-server-name	string	slb-virtual-server-name
	end-time	number	end-time
	start-time	number	start-time

3.59 rule-set

Objects:

3.59.1 rule-set rule move-rule

Move Rule

move-rule Specification

Type	*operational*
Element Name	move-rule
Element URI	/axapi/v3/rule-set/{name}/rule/{name}/move-rule
Element Attributes	move-rule_attributes
Schema	`move-rule schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/rule-set/{name}/rule/{name}/move-rule

move-rule attributes

move-rule attributes

location

Description 'top': top; 'before': before; 'after': after; 'bottom': bottom;

Type: string

Supported Values: top, before, after, bottom

Default: bottom

target-rule

Description

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.60 scaleout

Objects:

3.60.1 scaleout status

status Specification

Type	*operational*
Element Name	status
Element URI	/axapi/v3/scaleout/status
Element Attributes	status_attributes
Operational Data URI	/axapi/v3/scaleout/status/oper
Schema	`status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/scaleout/status

status attributes

status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	active-interface-list		active-interface-list
	follow-shared-redirection	number	follow-shared-redirection
	dest-redirect-ip-list		dest-redirect-ip-list
	l2redirect-trunk	number	l2redirect-trunk
	dest-session-sync-ip-list		dest-session-sync-ip-list
	advertised-session-sync-ip-list		advertised-session-sync-ip-list
	device-list		device-list
	exclude-interface-ip-list		exclude-interface-ip-list
	cluster-mode	string	cluster-mode
	l2redirect-operational	number	l2redirect-operational
	role	string	role
	l2redirect-eth	number	l2redirect-eth
	follow-shared-session-sync	number	follow-shared-session-sync
	l2redirect	number	l2redirect
	advertised-redirect-ip-list		advertised-redirect-ip-list
	l2redirect-vlan	number	l2redirect-vlan
	db_role	string	db_role
	l2redirect-valid	number	l2redirect-valid

3.60.2 scaleout traffic-map

traffic-map Specification

Type	*operational*
Element Name	traffic-map
Element URI	/axapi/v3/scaleout/traffic-map
Element Attributes	traffic-map_attributes
Operational Data URI	/axapi/v3/scaleout/traffic-map/oper
Schema	`traffic-map schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/scaleout/traffic-map

traffic-map attributes

traffic-map attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	virtual-server	string	virtual-server
	virtual-port	number	virtual-port
	map-entries-list-head		map-entries-list-head
	tbl-num	number	tbl-num
	src-ip	ipv4-address	src-ip

3.61 scm

Objects:

3.61.1 scm

Configure Scm Parameters

scm Specification

Type	*Intermediate Resource*
Element Name	scm
Element URI	/axapi/v3/scm
Element Attributes	scm_attributes
Schema	`scm schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scm

scm_attributes

scm attributes

license-src-info

Description: license-src-info is a **JSON Block**. Please see below for *license-src-info*

Type: Object

Refernce Object: */axapi/v3/scm/license-src-info*

licensecpe

Description: licensecpe is a **JSON Block**. Please see below for *licensecpe*

Type: Object

Refernce Object: */axapi/v3/scm/licensecpe*

licenseinfo

Description: licenseinfo is a **JSON Block**. Please see below for *licenseinfo*

Type: Object

Refernce Object: */axapi/v3/scm/licenseinfo*

licensestatus

Description: licensestatus is a **JSON Block**. Please see below for *licensestatus*

Type: Object

Refernce Object: */axapi/v3/scm/licensestatus*

license-src-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

licensestatus

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

licenseinfo

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

licensecpe

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.61.2 scm license-src-info

license source opers

license-src-info Specification

Type	*operational*
Element Name	license-src-info
Element URI	/axapi/v3/scm/license-src-info
Element Attributes	license-src-info_attributes
Operational Data URI	/axapi/v3/scm/license-src-info/oper
Schema	`license-src-info schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/scm/license-src-info

license-src-info attributes

license-src-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	product	string	product
	source3-module-list		source3-module-list
	billing-serial	string	billing-serial
	uuid	string	uuid
	usb-uuid	string	usb-uuid
	burst	string	burst
	source1	string	source1
	source2-module-list		source2-module-list
	source2	string	source2
	platform	string	platform
	token	string	token
	version	string	version
	glm-ping-interval	number	glm-ping-interval
	source3	string	source3
	source1-module-list		source1-module-list

3.61.3 scm licensecpe

license opers

licensecpe Specification

Type	*operational*
Element Name	licensecpe
Element URI	/axapi/v3/scm/licensecpe
Element Attributes	licensecpe_attributes
Operational Data URI	/axapi/v3/scm/licensecpe/oper
Schema	`licensecpe schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/scm/licensecpe

licensecpe attributes

licensecpe attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	platform	string	platform
	product	string	product
	uuid	string	uuid
	cpe	string	cpe

3.61.4 scm licenseinfo

license opers

licenseinfo Specification

Type	*operational*
Element Name	licenseinfo
Element URI	/axapi/v3/scm/licenseinfo
Element Attributes	licenseinfo_attributes
Operational Data URI	/axapi/v3/scm/licenseinfo/oper
Schema	`licenseinfo schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/scm/licenseinfo

licenseinfo attributes

licenseinfo attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	product	string	product
	billing-serial	string	billing-serial
	uuid	string	uuid
	usb-uuid	string	usb-uuid
	burst	string	burst
	module-list		module-list
	platform	string	platform
	token	string	token
	version	string	version
	glm-ping-interval	number	glm-ping-interval

3.61.5 scm licensestatus

license opers

licensestatus Specification

Type	*operational*
Element Name	licensestatus
Element URI	/axapi/v3/scm/licensestatus
Element Attributes	licensestatus_attributes
Operational Data URI	/axapi/v3/scm/licensestatus/oper
Schema	`licensestatus schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/scm/licensestatus

licensestatus attributes

licensestatus attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	primary-org-id	string	primary-org-id
	license-list		license-list
	primary-org-email	string	primary-org-email

3.62 sessions

Objects:

3.62.1 sessions

sessions Specification

Type	*operational*
Element Name	sessions
Element URI	/axapi/v3/sessions
Element Attributes	sessions_attributes
Operational Data URI	/axapi/v3/sessions/oper
Schema	`sessions schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sessions

sessions attributes

sessions attributes

ext

Description: ext is a **JSON Block**. Please see below for *ext*

Type: Object

Refernce Object: */axapi/v3/sessions/ext*

smp

Description: smp is a **JSON Block**. Please see below for *smp*

Type: Object

Refernce Object: */axapi/v3/sessions/smp*

smp-table

Description: smp-table is a **JSON Block**. Please see below for *smp-table*

Type: Object

Refernce Object: */axapi/v3/sessions/smp-table*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ext

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smp-table

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smp

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	sport-rate-limit-exceed	flag	sport-rate-limit-exceed
	app	string	app
	fw-dest-zone	string	fw-dest-zone
	src-port	number	src-port
	fw-dest-vserver	string	fw-dest-vserver
	nat-port	number	nat-port
	dst-ipv4-addr	ipv4-cidr	dst-ipv4-addr
	app-sessions	number	app-sessions
	fw-rule	string	fw-rule
	fw-src-obj	string	fw-src-obj
	fw-src-rserver	string	fw-src-rserver
	imsi-val	string	imsi-val
	application	string	application
	session-id	string	session-id
	nat-ipv4-addr	ipv4-address	nat-ipv4-addr
	session-list		session-list
	full-width	flag	full-width
	fw-dest-obj-grp	string	fw-dest-obj-grp
	src-ipv6-prefix	ipv6-address-plen	src-ipv6-prefix

continues on next page

Table 3.1 – continued from previous page

	Counter	Size	Description
	l4-protocol	enum	Output contains one of the following values: - udp, tcp, icmp, icmpv6
	imsi	flag	imsi
	fw-src-obj-grp	string	fw-src-obj-grp
	check-inside-user	flag	check-inside-user
	sport-rate-limit-curr	flag	sport-rate-limit-curr
	name-str	string	name-str
	msisdn	flag	msisdn
	total-sessions	number	total-sessions
	zone-name	string	zone-name
	fw-dest-rserver	string	fw-dest-rserver
	fw-helper-sessions	flag	fw-helper-sessions
	rev-dest-teid	number	rev-dest-teid
	fw-ip-type	enum	Output contains one of the following values: - ipv4, ipv6
	fw-dest-obj	string	fw-dest-obj
	filter_type	enum	Output contains one of the following values: - ipv4, ipv6, nat44, nat64, persist-ipv6-src-ip, persist-ipv6-dst-ip, persist-ipv6-ssl-id, persist-dst-ip, persist-src-ip, persist-uie, persist-ssl-id, radius, server, virtual-server, sip, sixrd, filter, ds-lite, dns-id-switch, local, fw, clear-all, full-width, debug, application, ipsec, diameter, zone, source-port-rate-limit, source-port-rate-limitv4, source-port-rate-limitv6, gtp
	dst-ipv6-prefix	ipv6-address-plen	dst-ipv6-prefix
	src-ipv6-addr	ipv6-address	src-ipv6-addr
	dst-ipv6-addr	ipv6-address	dst-ipv6-addr
	fw-src-zone	string	fw-src-zone
	src-ipv4-addr	ipv4-cidr	src-ipv4-addr
	app-category	string	app-category
	msisdn-val	string	msisdn-val
	dest-port	number	dest-port

3.62.2 sessions ext

ext Specification

Type	*operational*
Element Name	ext
Element URI	/axapi/v3/sessions/ext
Element Attributes	ext_attributes
Operational Data URI	/axapi/v3/sessions/ext/oper
Schema	`ext schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sessions/ext

ext attributes

ext attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	session-ext-list		session-ext-list

3.62.3 sessions smp

smp Specification

Type	*operational*
Element Name	smp
Element URI	/axapi/v3/sessions/smp
Element Attributes	smp_attributes
Operational Data URI	/axapi/v3/sessions/smp/oper
Schema	`smp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sessions/smp

smp attributes

smp attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	session-smp-list		session-smp-list

3.62.4 sessions smp-table

smp-table Specification

Type	*operational*
Element Name	smp-table
Element URI	/axapi/v3/sessions/smp-table
Element Attributes	smp-table_attributes
Operational Data URI	/axapi/v3/sessions/smp-table/oper
Schema	`smp-table schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sessions/smp-table

smp-table attributes

smp-table attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	entry-list		entry-list

3.63 set-product-id

Objects:

3.63.1 set-product-id

Set product ID

set-product-id Specification

Type	*operational*
Element Name	set-product-id
Element URI	/axapi/v3/set-product-id
Element Attributes	set-product-id_attributes
Schema	`set-product-id schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/set-product-id

set-product-id attributes

set-product-id attributes

id

Description Enter the desired product ID, default is 2

Type: number

Range: 0-9

3.64 shutdown

Objects:

3.64.1 shutdown

Shutdown the System

shutdown Specification

Type	*operational*
Element Name	shutdown
Element URI	/axapi/v3/shutdown
Element Attributes	shutdown_attributes
Schema	`shutdown schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/shutdown

shutdown attributes

shutdown attributes

at

Description Shutdown at a specific time/date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cancel

Description Cancel Pending Shutdown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

day-of-month

Description Day of the Month

Type: number

Range: 1-31

day-of-month-2

Description Day of the Month

Type: number

Range: 1-31

in

Description Delay before Shutdown (Time in hours and minutes)

Type: string

Format: time-hhmm

month

Description 'January': Month of the year; 'February': Month of the year; 'March': Month of the year; 'April': Month of the year; 'May': Month of the year; 'June': Month of the year; 'July': Month of the year; 'August': Month of the year; 'September': Month of the year; 'October': Month of the year; 'November': Month of the year; 'December': Month of the year;

Type: string

Supported Values: January, February, March, April, May, June, July, August, September, October, November, December

month-2

Description 'January': Month of the year; 'February': Month of the year; 'March': Month of the year; 'April': Month of the year; 'May': Month of the year; 'June': Month of the year; 'July': Month of the year; 'August': Month of the year; 'September': Month of the year; 'October': Month of the year; 'November': Month of the year; 'December': Month of the year;

Type: string

Supported Values: January, February, March, April, May, June, July, August, September, October, November, December

reason

Description Reason for Shutdown

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

reason-2

Description Reason for Shutdown

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

reason-3

Description Reason for Shutdown

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

time

Description Time to Shutdown (hh:mm)

Type: string

Format: time-hhmm

3.65 slb

Objects:

3.65.1 slb ac-class-list

Aho-Corasic add remove config

ac-class-list Specification

Type	*operational*
Object Key(s)	*name*
Element Name	ac-class-list
Element URI	/axapi/v3/slb/ac-class-list/{name}
Element Attributes	ac-class-list_attributes
Schema	`ac-class-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ac-class-list/{name}

ac-class-list attributes

ac-class-list-list

ac-class-list-list is **JSON List** of *ac-class-list attributes*

ac-class-list-list : [

{ *ac-class-list attributes* },

{ *ac-class-list attributes* },

...

]

ac-class-list attributes

ac-list

Type: List

name

Description Specify name of the class list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: test

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ac-list

Specification	
Type	*list*
Block object keys	

ac-key-string

Description Specify key string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ac-key-value

Description Specify value string

Type: string

Format: string-rlx

Maximum Length: 639 characters

Maximum Length: 1 characters

ac-match-type

Description 'contains': String contains another string; 'ends-with': String ends with another string; 'equals': String equals another string; 'starts-with': String starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

action

Description 'add': Add the entry; 'delete': Delete the entry;

Type: string

Supported Values: add, delete

3.65.2 slb health-check-details

Display Health Monitor Information for a given PIN and PID

health-check-details Specification

Type	*operational*
Element Name	health-check-details
Element URI	/axapi/v3/slb/health-check-details
Element Attributes	health-check-details_attributes
Operational Data URI	/axapi/v3/slb/health-check-details/oper
Schema	`health-check-details schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/health-check-details

health-check-details attributes

health-check-details attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	domain	string	domain
	mac-addr	mac-address	mac-addr
	force-up	number	force-up
	postdata	string	postdata
	starttls	number	starttls
	received-fail	number	received-fail
	sip-register	number	sip-register
	community	string	community
	dns-expect-type	number	dns-expect-type
	attr-program	string	attr-program
	avg-tcp-rtt	number	avg-tcp-rtt
	pass	string	pass
	query	string	query
	health-state	string	health-state
	response-timeout	number	response-timeout
	half-open	number	half-open
	expect-text-regex	string	expect-text-regex
	kerberos-port	number	kerberos-port
	l4-conn-num	number	l4-conn-num
	http-errors	number	http-errors
	attr-type	string	attr-type
	rcpt-to	string	rcpt-to
	ldap-tls	number	ldap-tls
	ipaddr	string	ipaddr
	secret	string	secret
	send	string	send
	curr-interval	number	curr-interval
	state-reason	string	state-reason
	attr-rpn	string	attr-rpn
	monitor-name	string	monitor-name
	arguments	string	arguments
	dns-qtype	number	dns-qtype
	mail-from	string	mail-from
	kerberos-kdc	string	kerberos-kdc
	method	string	method
	db-name	string	db-name
	tcp-only	number	tcp-only
	oid	string	oid
	received-success	number	received-success
	kerberos-realm	string	kerberos-realm
	db-row	number	db-row

continues on next page

Table 3.2 – continued from previous page

	Counter	Size	Description
	attr-port	number	attr-port
	pin-id	number	pin-id
	expect-text	string	expect-text
	db-column	number	db-column
	attr-alias-addr	string	attr-alias-addr
	expect-resp-regex-code	string	expect-resp-regex-code
	status-code-rcv	number	status-code-rcv
	dns-expect	string	dns-expect
	ldap-ssl	number	ldap-ssl
	expect-resp-code	string	expect-resp-code
	maintenance-code	string	maintenance-code
	resp-cont	string	resp-cont
	url	string	url
	process-index	number	process-index
	snmp-operation	number	snmp-operation
	curr-tcp-rtt	number	curr-tcp-rtt
	host	string	host
	curr-rtt	number	curr-rtt
	receive	string	receive
	avg-rtt	number	avg-rtt
	http-wait-resp	number	http-wait-resp
	l4-errors	number	l4-errors
	transport-proto	number	transport-proto
	http-req-sent	number	http-req-sent
	pname	string	pname
	dns-recurse	number	dns-recurse
	rcv-integer	number	rcv-integer
	base-dn	string	base-dn
	user	string	user

3.65.3 slb health-check-summary

health-check-summary Specification

Type	*operational*
Element Name	health-check-summary
Element URI	/axapi/v3/slb/health-check-summary
Element Attributes	health-check-summary_attributes
Operational Data URI	/axapi/v3/slb/health-check-summary/oper
Schema	`health-check-summary schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/health-check-summary

health-check-summary attributes

health-check-summary attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	server-port-up	number	server-port-up
	server-port-down	number	server-port-down
	server-up	number	server-up
	server-down	number	server-down

3.65.4 slb health-down-reason

Show health monitor down reason

health-down-reason Specification

Type	*operational*
Element Name	health-down-reason
Element URI	/axapi/v3/slb/health-down-reason
Element Attributes	health-down-reason_attributes
Operational Data URI	/axapi/v3/slb/health-down-reason/oper
Schema	`health-down-reason schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/health-down-reason

health-down-reason attributes

health-down-reason attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	down_id	number	down_id
	down_reason	string	health down reason

3.65.5 slb health-up-reason

Show health monitor up reason

health-up-reason Specification

Type	*operational*
Element Name	health-up-reason
Element URI	/axapi/v3/slb/health-up-reason
Element Attributes	health-up-reason_attributes
Operational Data URI	/axapi/v3/slb/health-up-reason/oper
Schema	`health-up-reason schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/health-up-reason

health-up-reason attributes

health-up-reason attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	up_id	number	up_id
	up_reason	string	health up reason

3.65.6 slb ipv6-class-list

IPv6 subnet add remove config

ipv6-class-list Specification

Type	*operational*
Object Key(s)	*name*
Element Name	ipv6-class-list
Element URI	/axapi/v3/slb/ipv6-class-list/{name}
Element Attributes	ipv6-class-list_attributes
Schema	`ipv6-class-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ipv6-class-list/{name}

ipv6-class-list attributes

ipv6-class-list-list

ipv6-class-list-list is **JSON List** of *ipv6-class-list attributes*

ipv6-class-list-list : [

{ *ipv6-class-list attributes* },

{ *ipv6-class-list attributes* },

...

]

ipv6-class-list attributes

ipv6-list

Type: List

name

Description Specify name of the class list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: test

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-list

Specification	
Type	*list*
Block object keys	

action

Description 'add': Add the entry; 'delete': Delete the entry;

Type: string

Supported Values: add, delete

glid

Description Use global Limit ID (Specify global LID index)

Type: number

Range: 1-1023

Mutual Exclusion: glidlid, lsn-lid and lsn-radius-profile are mutually exclusive

ipv6-addr

Description Specify IPv6 host or subnet

Type: string

Format: ipv6-address-plen

lid

Description Use Limit ID defined in template (Specify LID index)

Type: number

Range: 1-1023

Mutual Exclusion: lidglid, lsn-lid and lsn-radius-profile are mutually exclusive

lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

Mutual Exclusion: lsn-lidlid, glid and lsn-radius-profile are mutually exclusive

lsn-radius-profile

Description LSN RADIUS Profile Index

Type: number

Range: 1-16

Mutual Exclusion: lsn-radius-profilelid, glid and lsn-lid are mutually exclusive

3.65.7 slb player-id-list

Player id records config

player-id-list Specification

Type	*operational*
Element Name	player-id-list
Element URI	/axapi/v3/slb/player-id-list
Element Attributes	player-id-list_attributes
Schema	`player-id-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/player-id-list

player-id-list attributes

player-id-list attributes

player-record

Type: List

player-record

Specification	
Type	*list*
Block object keys	

game-server-ipv4

Description Specify IP address

Type: string

Format: ipv4-address

game-server-ipv6

Description Specify IPv6 address

Type: string

Format: ipv6-address

game-server-port-v4

Description Port

Type: number

Range: 0-65534

game-server-port-v6

Description Port

Type: number

Range: 0-65534

player-id

Description 64/32 bit player id based on config

Type: number

Range: 0-2147483647

3.65.8 slb reset-unknown-conn

reset-unknown-conn Specification

Type	*operational*
Element Name	reset-unknown-conn
Element URI	/axapi/v3/slb/reset-unknown-conn
Element Attributes	reset-unknown-conn_attributes
Operational Data URI	/axapi/v3/slb/reset-unknown-conn/oper
Schema	`reset-unknown-conn schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/reset-unknown-conn

reset-unknown-conn attributes

reset-unknown-conn attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	unknown-conn-rate-limit-drop	number	unknown-conn-rate-limit-drop
	unknown-conn-rate-limit	number	unknown-conn-rate-limit
	unknown-conn-current-rate	number	unknown-conn-current-rate

3.65.9 slb rpz

Manage rpz Scripts

rpz Specification

Type	*operational*
Element Name	rpz
Element URI	/axapi/v3/slb/rpz
Element Attributes	rpz_attributes
Statistics Data URI	/axapi/v3/slb/rpz/stats
Operational Data URI	/axapi/v3/slb/rpz/oper
Schema	`rpz schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/rpz

rpz attributes

rpz attributes

check

Description Check Response Policy Zone file

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'set_bw_error': Total RPZ Set Class-list Error; 'parse_error': Total RPZ Parse Error;

Type: string

Supported Values: all, set_bw_error, parse_error

stats data

	Counter	Size	Description
	parse_error	8	Total RPZ Parse Error
	set_bw_error	8	Total RPZ Set Class-list Error

operational data

	Counter	Size	Description
	rpz-file-size-max	number	rpz-file-size-max
	rpz-count	number	rpz-count
	file-list		file-list
	filter_entry	string	filter_entry

3.65.10 slb server-ssl-counters

Server side SSL Vport Statistics

server-ssl-counters Specification

Type	*operational*
Element Name	server-ssl-counters
Element URI	/axapi/v3/slb/server-ssl-counters
Element Attributes	server-ssl-counters_attributes
Operational Data URI	/axapi/v3/slb/server-ssl-counters/oper
Schema	`server-ssl-counters schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/server-ssl-counters

server-ssl-counters attributes

server-ssl-counters attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	tls1-dhe-rsa-aes-128-gcm-sha256-failures	number	TLS1_DHE_RSA_AES_128_GCM_SHA256 Failures
	tls1-rsa-aes-256-sha256-successes	number	TLS1_RSA_AES_256_SHA256 Successes
	tls1-ecdhe-ecdsa-aes-128-sha256-failures	number	TLS1_ECDHE_ECDSA_AES_128_SHA256 Failures
	tls11-successes	number	Successful TLS1.1 connections

continues on next page

Table 3.3 – continued from previous page

	Counter	Size	Description
	tls1-dhe-rsa-chacha20-poly1305-sha256-failures	number	TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher failures
	tls1-dhe-rsa-aes-256-gcm-sha384-successes	number	TLS1_DHE_RSA_AES_256_GCM_SHA384 Successes
	ssl3-rsa-rc4-128-sha-successes	number	SSL3_RSA_RC4_128_SHA Successes
	tls1-rsa-aes-256-gcm-sha384-id	string	TLS1_RSA_AES_256_GCM_SHA384 Cipher ID
	tls1-ecdhe-rsa-chacha20-poly1305-sha256-failures	number	TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher failures
	tls1-ecdhe-sm2-sms4-sha256-id	string	TLS1_ECDHE_SM2_WITH_SMS4_SHA256 Cipher ID
	tls1-ecdhe-ecdsa-aes-256-sha384-id	string	TLS1_ECDHE_ECDSA_AES_256_SHA384 Cipher ID
	kex-ecdhe-x448-successes	number	Successful x448 ECDHE key exchanges
	tls1-ecdhe-ecdsa-aes-256-sha384-failures	number	TLS1_ECDHE_ECDSA_AES_256_SHA384 Failures
	tls1-dhe-rsa-aes-128-gcm-sha256-successes	number	TLS1_DHE_RSA_AES_128_GCM_SHA256 Successes
	tls1-ecdhe-sm2-sms4-sm3-failures	number	TLS1_ECDHE_SM2_WITH_SMS4_SM3 cipher failures
	ssl3-rsa-des-40-cbc-sha-failures	number	SSL3_RSA_DES_40_CBC_SHA Failures
	tls1-ecdhe-sm2-sms4-gcm-sm3-successes	number	TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 cipher successes

continues on next page

Table 3.3 – continued from previous page

	Counter	Size	Description
	tls1-ecdhe-rsa-aes-256-gcm-sha384-failures	number	TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Failures
	tls1-dhe-rsa-aes-256-sha256-successes	number	TLS1_DHE_RSA_AES_256_SHA256 Successes
	kex-rsa-4096-successes	number	Successful 4096-bit RSA key exchanges
	renego-tls13-failures	number	Failed TLS1.3 renegotiations
	tls1-ecdhe-rsa-aes-256-sha384-successes	number	TLS1_ECDHE_RSA_AES_256_SHA384 Successes
	tls1-ecdhe-rsa-aes-256-sha384-failures	number	TLS1_ECDHE_RSA_AES_256_SHA384 Failures
	cumulative-sessions	number	Cumulative SSL sessions
	tls1-ecdhe-ecdsa-aes-256-gcm-sha384-failures	number	TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Failures
	tls13-aes-256-gcm-sha384-successes	number	TLS13_AES_256_GCM_SHA384 cipher successes
	tls1-rsa-export1024-rc4-56-md5-successes	number	TLS1_RSA_EXPORT1024_RC4_56_MD5 Successes
	tls1-rsa-aes-128-gcm-sha256-id	string	TLS1_RSA_AES_128_GCM_SHA256 Cipher ID
	tls13-successes	number	Successful TLS1.3 connections
	tls13-failures	number	Failed TLS1.3 connections
	ssl3-rsa-des-40-cbc-sha-id	string	SSL3_RSA_DES_40_CBC_SHA Cipher ID
	kex-ecdhe-secp384r1-failures	number	Failed secp384r1 ECDHE key exchanges

continues on next page

Table 3.3 – continued from previous page

	Counter	Size	Description
	tls1-rsa-aes-256-sha-id	string	TLS1_RSA_AES_256_SHA Cipher ID
	ssl3-rsa-rc4-40-md5-failures	number	SSL3_RSA_RC4_40_MD5 Failures
	tls1-rsa-aes-128-sha-id	string	TLS1_RSA_AES_128_SHA Cipher ID
	renego-tls11-failures	number	Failed TLS1.1 renegotiations
	tls1-rsa-aes-128-sha256-id	string	TLS1_RSA_AES_128_SHA256 Cipher ID
	tls1-ecdhe-sm2-sms4-sha256-successes	number	TLS1_ECDHE_SM2_WITH_SMS4_SHA256 cipher successes
	tls1-rsa-aes-128-sha-successes	number	TLS1_RSA_AES_128_SHA Successes
	tls1-dhe-rsa-chacha20-poly1305-sha256-successes	number	TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher successes
	tls1-rsa-export1024-rc4-56-sha-successes	number	TLS1_RSA_EXPORT1024_RC4_56_SHA Successes
	renego-ssl3-successes	number	Successful SSL3 renegotiations
	tls1-ecdhe-ecdsa-aes-128-sha256-successes	number	TLS1_ECDHE_ECDSA_AES_128_SHA256 Successes
	ssl3-rsa-rc4-128-md5-successes	number	SSL3_RSA_RC4_128_MD5 Successes
	renego-ssl2-successes	number	Successful SSL2 renegotiations
	tls13-chacha20-poly1305-sha256-failures	number	TLS13_CHACHA20_POLY1305_SHA256 cipher failures
	tls1-rsa-export1024-rc4-56-sha-id	string	TLS1_RSA_EXPORT1024_RC4_56_SHA Cipher ID

continues on next page

Table 3.3 – continued from previous page

	Counter	Size	Description
	tls13-aes-256-gcm-sha384-id	string	TLS13_AES_256_GCM_SHA384 Cipher ID
	ssl3-rsa-des-64-cbc-sha-id	string	SSL3_RSA_DES_64_CBC_SHA Cipher ID
	kex-rsa-512-successes	number	Successful 512-bit RSA key exchanges
	kex-rsa-2048-failures	number	Failed 2048-bit RSA key exchanges
	tls1-dhe-rsa-aes-256-gcm-sha384-failures	number	TLS1_DHE_RSA_AES_256_GCM_SHA384 Failures
	ssl3-rsa-rc4-128-sha-failures	number	SSL3_RSA_RC4_128_SHA Failures
	tls1-ecdhe-ecdsa-aes-128-sha-id	string	TLS1_ECDHE_ECDSA_AES_128_SHA Cipher ID
	port	number	Virtual Port
	tls1-ecdhe-rsa-aes-256-gcm-sha384-successes	number	TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Successes
	tls1-rsa-aes-256-sha-failures	number	TLS1_RSA_AES_256_SHA Failures
	tls13-aes-128-gcm-sha256-id	string	TLS13_AES_128_GCM_SHA256 Cipher ID
	ssl3-rsa-des-192-cbc3-sha-id	string	SSL3_RSA_DES_192_CBC3_SHA Cipher ID
	ssl3-rsa-des-64-cbc-sha-failures	number	SSL3_RSA_DES_64_CBC_SHA Failures
	tls1-rsa-export1024-rc4-56-sha-failures	number	TLS1_RSA_EXPORT1024_RC4_56_SHA Failures
	tls1-ecdhe-sm2-sms4-sm3-successes	number	TLS1_ECDHE_SM2_WITH_SMS4_SM3 cipher successes
	tls1-rsa-export1024-rc4-56-md5-id	string	TLS1_RSA_EXPORT1024_RC4_56_MD5 Cipher ID

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Table 3.3 – continued from previous page

	Counter	Size	Description
	tls1-ecdhe-sm2-sms4-gcm-sm3-failures	number	TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 cipher failures
	ssl3-rsa-rc4-128-md5-id	string	SSL3_RSA_RC4_128_MD5 Cipher ID
	kex-rsa-1024-successes	number	Successful 1024-bit RSA key exchanges
	tls1-rsa-aes-128-gcm-sha256-successes	number	TLS1_RSA_AES_128_GCM_SHA256 Successes
	tls1-ecdhe-rsa-aes-256-sha384-id	string	TLS1_ECDHE_RSA_AES_256_SHA384 Cipher ID
	sess-cache-hit	number	Session cache hits
	kex-ecdhe-sm2-failures	number	Failed sm2p256v1 ECDHE key exchanges
	ssl3-rsa-des-40-cbc-sha-successes	number	SSL3_RSA_DES_40_CBC_SHA Successes
	tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-successes	number	TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher successes
	kex-dhe-1024-successes	number	Successful 1024-bit DHE key exchanges
	tls1-ecdhe-sm2-sms4-sm3-id	string	TLS1_ECDHE_SM2_WITH_SMS4_SM3 Cipher ID
	kex-ecdhe-secp521r1-successes	number	Successful secp521r1 ECDHE key exchanges
	tls1-ecdhe-ecdsa-aes-128-sha-successes	number	TLS1_ECDHE_ECDSA_AES_128_SHA Successes
	tls1-ecdhe-ecdsa-aes-128-gcm-sha256-failures	number	TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Failures

continues on next page

Table 3.3 – continued from previous page

	Counter	Size	Description
	ssl3-rsa-rc4-128-md5-failures	number	SSL3_RSA_RC4_128_MD5 Failures
	tls1-ecdhe-rsa-aes-128-sha-successes	number	TLS1_ECDHE_RSA_AES_128_SHA Successes
	tls1-ecdhe-ecdsa-aes-128-sha-failures	number	TLS1_ECDHE_ECDSA_AES_128_SHA Failures
	downgraded	number	TLS version downgraded
	tls1-ecdhe-rsa-aes-128-gcm-sha256-failures	number	TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Failures
	tls1-rsa-aes-256-sha256-id	string	TLS1_RSA_AES_256_SHA256 Cipher ID
	kex-dhe-2048-successes	number	Successful 2048-bit DHE key exchanges
	hs-avg-time	number	Average handshake time in milliseconds
	tls12-failures	number	Failed TLS1.2 connections
	renego-tls13-successes	number	Successful TLS1.3 renegotiations
	tls13-aes-256-gcm-sha384-failures	number	TLS13_AES_256_GCM_SHA384 cipher failures
	tls1-ecdhe-rsa-aes-128-sha256-successes	number	TLS1_ECDHE_RSA_AES_128_SHA256 Successes
	ssl3-rsa-des-192-cbc3-sha-successes	number	SSL3_RSA_DES_192_CBC3_SHA Successes
	kex-rsa-4096-failures	number	Failed 4096-bit RSA key exchanges
	tls1-rsa-aes-256-sha-successes	number	TLS1_RSA_AES_256_SHA Successes
	renego-tls10-successes	number	Successful TLS1.0 renegotiations
	tls1-ecdhe-sm2-sms4-sha256-failures	number	TLS1_ECDHE_SM2_WITH_SMS4_SHA256 cipher failures

continues on next page

Table 3.3 – continued from previous page

	Counter	Size	Description
	renego-tls12-failures	number	Failed TLS1.2 renegotiations
	tls1-dhe-rsa-aes-256-gcm-sha384-id	string	TLS1_DHE_RSA_AES_256_GCM_SHA384 Cipher ID
	cert-vfy	number	Sent certificate verify for authentication
	tls1-rsa-aes-128-sha256-successes	number	TLS1_RSA_AES_128_SHA256 Successes
	tls1-dhe-rsa-aes-256-sha-successes	number	TLS1_DHE_RSA_AES_256_SHA Successes
	tls1-dhe-rsa-aes-256-sha-failures	number	TLS1_DHE_RSA_AES_256_SHA Failures
	tls1-ecdhe-ecdsa-aes-128-sha256-id	string	TLS1_ECDHE_ECDSA_AES_128_SHA256 Cipher ID
	tls1-dhe-rsa-aes-128-gcm-sha256-id	string	TLS1_DHE_RSA_AES_128_GCM_SHA256 Cipher ID
	tls1-ecdhe-rsa-aes-128-sha-failures	number	TLS1_ECDHE_RSA_AES_128_SHA Failures
	tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-failures	number	TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher failures
	renego-tls10-failures	number	Failed TLS1.0 renegotiations
	sess-cache-miss	number	Session cache misses
	kex-rsa-1024-failures	number	Failed 1024-bit RSA key exchanges
	tls1-ecdhe-rsa-aes-128-gcm-sha256-successes	number	TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Successes
	tls12-successes	number	Successful TLS1.2 connections
	sess-cache-curr-conn	number	Session cache current connections
	kex-dhe-2048-failures	number	Failed 2048-bit DHE key exchanges

continues on next page

Table 3.3 – continued from previous page

	Counter	Size	Description
	kex-rsa-512-failures	number	Failed 512-bit RSA key exchanges
	tls1-rsa-aes-256-sha256-failures	number	TLS1_RSA_AES_256_SHA256 Failures
	tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-id	string	TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher ID
	tls1-ecdhe-sm2-sms4-gcm-sm3-id	string	TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 Cipher ID
	tls10-successes	number	Successful TLS1.0 connections
	ssl3-rsa-rc4-40-md5-id	string	SSL3_RSA_RC4_40_MD5 Cipher ID
	kex-ecdhe-x448-failures	number	Failed x448 ECDHE key exchanges
	tls13-aes-128-gcm-sha256-successes	number	TLS13_AES_128_GCM_SHA256 cipher successes
	tls1-ecdhe-ecdsa-aes-256-gcm-sha384-successes	number	TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Successes
	renego-tls12-successes	number	Successful TLS1.2 renegotiations
	ssl2-successes	number	Successful SSL2 connections
	kex-ecdhe-secp256r1-failures	number	Failed secp256r1 ECDHE key exchanges
	sess-cache-new	number	Session cache new entries
	tls1-dhe-rsa-aes-128-sha256-id	string	TLS1_DHE_RSA_AES_128_SHA256 Cipher ID
	kex-ecdhe-secp384r1-successes	number	Successful secp384r1 ECDHE key exchanges
	tls1-dhe-rsa-aes-128-sha-failures	number	TLS1_DHE_RSA_AES_128_SHA Failures
	kex-dhe-512-failures	number	Failed 512-bit DHE key exchanges

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Table 3.3 – continued from previous page

	Counter	Size	Description
	kex-rsa-2048-successes	number	Successful 2048-bit RSA key exchanges
	tls13-chacha20-poly1305-sha256-successes	number	TLS13_CHACHA20_POLY1305_SHA256 cipher successes
	tls11-failures	number	Failed TLS1.1 connections
	renego-ssl2-failures	number	Failed SSL2 renegotiations
	tls1-ecdhe-rsa-aes-128-sha256-id	string	TLS1_ECDHE_RSA_AES_128_SHA256 Cipher ID
	kex-ecdhe-x25519-failures	number	Failed x25519 ECDHE key exchanges
	tls1-ecdhe-ecdsa-aes-256-sha384-successes	number	TLS1_ECDHE_ECDSA_AES_256_SHA384 Successes
	tls1-ecdhe-rsa-chacha20-poly1305-sha256-successes	number	TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher successes
	tls1-ecdhe-rsa-aes-128-sha-id	string	TLS1_ECDHE_RSA_AES_128_SHA Cipher ID
	tls1-rsa-aes-256-gcm-sha384-successes	number	TLS1_RSA_AES_256_GCM_SHA384 Successes
	tls1-rsa-aes-128-sha-failures	number	TLS1_RSA_AES_128_SHA Failures
	kex-dhe-512-successes	number	Successful 512-bit DHE key exchanges
	tls1-ecdhe-rsa-aes-256-gcm-sha384-id	string	TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Cipher ID
	tls1-dhe-rsa-aes-128-sha256-failures	number	TLS1_DHE_RSA_AES_128_SHA256 Failures

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Table 3.3 – continued from previous page

	Counter	Size	Description
	tls1-dhe-rsa-chacha20-poly1305-sha256-id	string	TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher ID
	tls13-chacha20-poly1305-sha256-id	string	TLS13_CHACHA20_POLY1305_SHA256 Cipher ID
	renego-tls11-successes	number	Successful TLS1.1 renegotiations
	tls1-dhe-rsa-aes-256-sha256-id	string	TLS1_DHE_RSA_AES_256_SHA256 Cipher ID
	tls1-ecdhe-rsa-aes-256-sha-failures	number	TLS1_ECDHE_RSA_AES_256_SHA Failures
	tls1-ecdhe-ecdsa-aes-256-gcm-sha384-id	string	TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Cipher ID
	tls1-ecdhe-rsa-chacha20-poly1305-sha256-id	string	TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher ID
	ssl3-rsa-rc4-40-md5-successes	number	SSL3_RSA_RC4_40_MD5 Successes
	tls1-ecdhe-rsa-aes-128-gcm-sha256-id	string	TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Cipher ID
	ssl3-successes	number	Successful SSL3 connections
	tls1-rsa-aes-128-sha256-failures	number	TLS1_RSA_AES_128_SHA256 Failures
	kex-ecdhe-sm2-successes	number	Successful sm2p256v1 ECDHE key exchanges
	vserver	string	virtual server name
	renego-ssl3-failures	number	Failed SSL3 renegotiations
	kex-dhe-1024-failures	number	Failed 1024-bit DHE key exchanges
	tls1-ecdhe-ecdsa-aes-256-sha-id	string	TLS1_ECDHE_ECDSA_AES_256_SHA Cipher ID

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Table 3.3 – continued from previous page

	Counter	Size	Description
	kex-ecdhe-secp521r1-failures	number	Failed secp521r1 ECDHE key exchanges
	tls1-ecdhe-ecdsa-aes-128-gcm-sha256-id	string	TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Cipher ID
	ssl3-rsa-rc4-128-sha-id	string	SSL3_RSA_RC4_128_SHA Cipher ID
	renegotiation-total	number	Total renegotiations
	tls1-dhe-rsa-aes-256-sha256-failures	number	TLS1_DHE_RSA_AES_256_SHA256 Failures
	kex-ecdhe-x25519-successes	number	Successful x25519 ECDHE key exchanges
	tls1-dhe-rsa-aes-128-sha-successes	number	TLS1_DHE_RSA_AES_128_SHA Successes
	tls1-dhe-rsa-aes-128-sha-id	string	TLS1_DHE_RSA_AES_128_SHA Cipher ID
	tls10-failures	number	Failed TLS1.0 connections
	tls1-rsa-aes-256-gcm-sha384-failures	number	TLS1_RSA_AES_256_GCM_SHA384 Failures
	ssl3-failures	number	Failed SSL3 connections
	ssl3-rsa-des-192-cbc3-sha-failures	number	SSL3_RSA_DES_192_CBC3_SHA Failures
	tls1-ecdhe-ecdsa-aes-256-sha-failures	number	TLS1_ECDHE_ECDSA_AES_256_SHA Failures
	tls1-dhe-rsa-aes-128-sha256-successes	number	TLS1_DHE_RSA_AES_128_SHA256 Successes
	ssl3-rsa-des-64-cbc-sha-successes	number	SSL3_RSA_DES_64_CBC_SHA Successes
	tls1-ecdhe-ecdsa-aes-256-sha-successes	number	TLS1_ECDHE_ECDSA_AES_256_SHA Successes

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Table 3.3 – continued from previous page

	Counter	Size	Description
	tls1-rsa-aes-128-gcm-sha256-failures	number	TLS1_RSA_AES_128_GCM_SHA256 Failures
	tls13-aes-128-gcm-sha256-failures	number	TLS13_AES_128_GCM_SHA256 cipher failures
	hs-failures	number	Total handshake failures
	tls1-ecdhe-rsa-aes-256-sha-id	string	TLS1_ECDHE_RSA_AES_256_SHA Cipher ID
	ssl2-failures	number	Failed SSL2 connections
	tls1-ecdhe-ecdsa-aes-128-gcm-sha256-successes	number	TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Successes
	sess-cache-timeout	number	Session cache timeouts
	tls1-ecdhe-rsa-aes-256-sha-successes	number	TLS1_ECDHE_RSA_AES_256_SHA Successes
	tls1-rsa-export1024-rc4-56-md5-failures	number	TLS1_RSA_EXPORT1024_RC4_56_MD5 Failures
	tls1-dhe-rsa-aes-256-sha-id	string	TLS1_DHE_RSA_AES_256_SHA Cipher ID
	tls1-ecdhe-rsa-aes-128-sha256-failures	number	TLS1_ECDHE_RSA_AES_128_SHA256 Failures
	kex-ecdhe-secp256r1-successes	number	Successful secp256r1 ECDHE key exchanges

3.65.11 slb service-group reset

Reset

reset Specification

Type	*operational*
Element Name	reset
Element URI	/axapi/v3/slb/service-group/{name}/reset
Element Attributes	reset_attributes
Schema	`reset schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/service-group/{name}/reset

reset attributes

reset attributes

auto-switch

Description Reset auto stateless state

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.65.12 slb ssl-acme-cert-log

acme log information

ssl-acme-cert-log Specification

Type	*operational*
Element Name	ssl-acme-cert-log
Element URI	/axapi/v3/slb/ssl-acme-cert-log
Element Attributes	ssl-acme-cert-log_attributes
Operational Data URI	/axapi/v3/slb/ssl-acme-cert-log/oper
Schema	`ssl-acme-cert-log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-acme-cert-log

ssl-acme-cert-log attributes

ssl-acme-cert-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	name	string	name
	acme-log-offset	number	acme-log-offset
	acme-log-over	number	acme-log-over
	from-start	flag	from-start
	follow	flag	follow
	num-lines	number	num-lines
	acme-log-list		acme-log-list

3.65.13 slb ssl-acme-cert-status

ssl-acme-cert-status Specification

Type	*operational*
Element Name	ssl-acme-cert-status
Element URI	/axapi/v3/slb/ssl-acme-cert-status
Element Attributes	ssl-acme-cert-status_attributes
Operational Data URI	/axapi/v3/slb/ssl-acme-cert-status/oper
Schema	`ssl-acme-cert-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-acme-cert-status

ssl-acme-cert-status attributes

ssl-acme-cert-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	acme-certs		acme-certs

3.65.14 slb ssl-ca-cert

ssl-ca-cert Specification

Type	*operational*
Element Name	ssl-ca-cert
Element URI	/axapi/v3/slb/ssl-ca-cert
Element Attributes	ssl-ca-cert_attributes
Operational Data URI	/axapi/v3/slb/ssl-ca-cert/oper
Schema	`ssl-ca-cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-ca-cert

ssl-ca-cert attributes

ssl-ca-cert attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	exact-match	flag	exact-match
	sortby-exp	flag	sortby-exp
	ssl-certs		ssl-certs
	sortby-name	flag	sortby-name
	partition	string	partition

3.65.15 slb ssl-cert

ssl-cert Specification

Type	*operational*
Element Name	ssl-cert
Element URI	/axapi/v3/slb/ssl-cert
Element Attributes	ssl-cert_attributes
Statistics Data URI	/axapi/v3/slb/ssl-cert/stats
Operational Data URI	/axapi/v3/slb/ssl-cert/oper
Schema	`ssl-cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-cert

ssl-cert attributes

ssl-cert attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	exact-match	flag	exact-match
	sortby-exp	flag	sortby-exp
	ssl-certs		ssl-certs
	sortby-name	flag	sortby-name
	partition	string	partition

3.65.16 slb ssl-cert-expire-check

ssl-cert-expire-check Specification

Type	*operational*
Element Name	ssl-cert-expire-check
Element URI	/axapi/v3/slb/ssl-cert-expire-check
Element Attributes	ssl-cert-expire-check_attributes
Operational Data URI	/axapi/v3/slb/ssl-cert-expire-check/oper
Schema	`ssl-cert-expire-check schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-cert-expire-check

ssl-cert-expire-check attributes

ssl-cert-expire-check attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	expire-check-status	enum	Output contains one of the following values: - Enabled, Disabled
	interval	number	interval
	email-address	string	email-address
	email-address2	string	email-address2
	ssl-exception		ssl-exception
	before	number	before

3.65.17 slb ssl-cmp-cert-log

cmp log information

ssl-cmp-cert-log Specification

Type	*operational*
Element Name	ssl-cmp-cert-log
Element URI	/axapi/v3/slb/ssl-cmp-cert-log
Element Attributes	ssl-cmp-cert-log_attributes
Operational Data URI	/axapi/v3/slb/ssl-cmp-cert-log/oper
Schema	`ssl-cmp-cert-log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-cmp-cert-log

ssl-cmp-cert-log attributes

ssl-cmp-cert-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	name	string	name
	cmp-log-offset	number	cmp-log-offset
	from-start	flag	from-start
	cmp-log-list		cmp-log-list
	follow	flag	follow
	cmp-log-over	number	cmp-log-over
	num-lines	number	num-lines

3.65.18 slb ssl-cmp-cert-status

ssl-cmp-cert-status Specification

Type	*operational*
Element Name	ssl-cmp-cert-status
Element URI	/axapi/v3/slb/ssl-cmp-cert-status
Element Attributes	ssl-cmp-cert-status_attributes
Operational Data URI	/axapi/v3/slb/ssl-cmp-cert-status/oper
Schema	`ssl-cmp-cert-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-cmp-cert-status

ssl-cmp-cert-status attributes

ssl-cmp-cert-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	cmp-certs		cmp-certs

3.65.19 slb ssl-counters

Client side SSL Vport Statistics

ssl-counters Specification

Type	*operational*
Element Name	ssl-counters
Element URI	/axapi/v3/slb/ssl-counters
Element Attributes	ssl-counters_attributes
Operational Data URI	/axapi/v3/slb/ssl-counters/oper
Schema	`ssl-counters schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-counters

ssl-counters attributes

ssl-counters attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	tls1-dhe-rsa-aes-128-gcm-sha256-failures	number	TLS1_DHE_RSA_AES_128_GCM_SHA256 Failures

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-rsa-aes-256-sha256-successes	number	TLS1_RSA_AES_256_SHA256 Successes
	tls1-ecdhe-ecdsa-aes-128-sha256-failures	number	TLS1_ECDHE_ECDSA_AES_128_SHA256 Failures
	tls11-successes	number	Successful TLS1.1 connections
	tls1-dhe-rsa-chacha20-poly1305-sha256-failures	number	TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher failures
	tls1-dhe-rsa-aes-256-gcm-sha384-successes	number	TLS1_DHE_RSA_AES_256_GCM_SHA384 Successes
	ssl3-rsa-rc4-128-sha-successes	number	SSL3_RSA_RC4_128_SHA Successes
	tls1-rsa-aes-256-gcm-sha384-id	string	TLS1_RSA_AES_256_GCM_SHA384 Cipher ID
	tls1-ecdhe-rsa-chacha20-poly1305-sha256-failures	number	TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher failures
	tls1-ecdhe-sm2-sms4-sha256-id	string	TLS1_ECDHE_SM2_WITH_SMS4_SHA256 Cipher ID
	tls1-ecdhe-ecdsa-aes-256-sha384-id	string	TLS1_ECDHE_ECDSA_AES_256_SHA384 Cipher ID
	kex-ecdhe-x448-successes	number	Successful x448 ECDHE key exchanges
	tls1-ecdhe-ecdsa-aes-256-sha384-failures	number	TLS1_ECDHE_ECDSA_AES_256_SHA384 Failures
	tls1-dhe-rsa-aes-128-gcm-sha256-successes	number	TLS1_DHE_RSA_AES_128_GCM_SHA256 Successes

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-ecdhe-sm2-sms4-sm3-failures	number	TLS1_ECDHE_SM2_WITH_SMS4_SM3 cipher failures
	ssl3-rsa-des-40-cbc-sha-failures	number	SSL3_RSA_DES_40_CBC_SHA Failures
	tls1-ecdhe-sm2-sms4-gcm-sm3-successes	number	TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 cipher successes
	tls1-ecdhe-rsa-aes-256-gcm-sha384-failures	number	TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Failures
	tls1-dhe-rsa-aes-256-sha256-successes	number	TLS1_DHE_RSA_AES_256_SHA256 Successes
	kex-rsa-4096-successes	number	Successful 4096-bit RSA key exchanges
	renego-tls13-failures	number	Failed TLS1.3 renegotiations
	tls1-ecdhe-rsa-aes-256-sha384-successes	number	TLS1_ECDHE_RSA_AES_256_SHA384 Successes
	tls1-ecdhe-rsa-aes-256-sha384-failures	number	TLS1_ECDHE_RSA_AES_256_SHA384 Failures
	cumulative-sessions	number	Cumulative SSL sessions
	tls1-ecdhe-ecdsa-aes-256-gcm-sha384-failures	number	TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Failures
	tls13-aes-256-gcm-sha384-successes	number	TLS13_AES_256_GCM_SHA384 cipher successes
	tls1-rsa-export1024-rc4-56-md5-successes	number	TLS1_RSA_EXPORT1024_RC4_56_MD5 Successes
	tls1-rsa-aes-128-gcm-sha256-id	string	TLS1_RSA_AES_128_GCM_SHA256 Cipher ID

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls13-successes	number	Successful TLS1.3 connections
	tls13-failures	number	Failed TLS1.3 connections
	ssl3-rsa-des-40-cbc-sha-id	string	SSL3_RSA_DES_40_CBC_SHA Cipher ID
	kex-ecdhe-secp384r1-failures	number	Failed secp384r1 ECDHE key exchanges
	tls1-rsa-aes-256-sha-id	string	TLS1_RSA_AES_256_SHA Cipher ID
	ssl3-rsa-rc4-40-md5-failures	number	SSL3_RSA_RC4_40_MD5 Failures
	tls1-rsa-aes-128-sha-id	string	TLS1_RSA_AES_128_SHA Cipher ID
	renego-tls11-failures	number	Failed TLS1.1 renegotiations
	tls1-rsa-aes-128-sha256-id	string	TLS1_RSA_AES_128_SHA256 Cipher ID
	tls1-ecdhe-sm2-sms4-sha256-successes	number	TLS1_ECDHE_SM2_WITH_SMS4_SHA256 cipher successes
	tls1-rsa-aes-128-sha-successes	number	TLS1_RSA_AES_128_SHA Successes
	tls1-dhe-rsa-chacha20-poly1305-sha256-successes	number	TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher successes
	tls1-rsa-export1024-rc4-56-sha-successes	number	TLS1_RSA_EXPORT1024_RC4_56_SHA Successes
	sni-automap-missing-cert	number	Failed SNI auto map due to missing cert/key
	renego-ssl3-successes	number	Successful SSL3 renegotiations
	tls1-ecdhe-ecdsa-aes-128-sha256-successes	number	TLS1_ECDHE_ECDSA_AES_128_SHA256 Successes
	ssl3-rsa-rc4-128-md5-successes	number	SSL3_RSA_RC4_128_MD5 Successes

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Table 3.4 – continued from previous page

	Counter	Size	Description
	renego-ssl2-successes	number	Successful SSL2 renegotiations
	tls13-chacha20-poly1305-sha256-failures	number	TLS13_CHACHA20_POLY1305_SHA256 cipher failures
	tls1-rsa-export1024-rc4-56-sha-id	string	TLS1_RSA_EXPORT1024_RC4_56_SHA Cipher ID
	tls13-aes-256-gcm-sha384-id	string	TLS13_AES_256_GCM_SHA384 Cipher ID
	ssl3-rsa-des-64-cbc-sha-id	string	SSL3_RSA_DES_64_CBC_SHA Cipher ID
	kex-rsa-512-successes	number	Successful 512-bit RSA key exchanges
	kex-rsa-2048-failures	number	Failed 2048-bit RSA key exchanges
	tls1-dhe-rsa-aes-256-gcm-sha384-failures	number	TLS1_DHE_RSA_AES_256_GCM_SHA384 Failures
	ssl3-rsa-rc4-128-sha-failures	number	SSL3_RSA_RC4_128_SHA Failures
	tls1-ecdhe-ecdsa-aes-128-sha-id	string	TLS1_ECDHE_ECDSA_AES_128_SHA Cipher ID
	port	number	Virtual Port
	tls1-ecdhe-rsa-aes-256-gcm-sha384-successes	number	TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Successes
	tls1-rsa-aes-256-sha-failures	number	TLS1_RSA_AES_256_SHA Failures
	tls13-aes-128-gcm-sha256-id	string	TLS13_AES_128_GCM_SHA256 Cipher ID
	ssl3-rsa-des-192-cbc3-sha-id	string	SSL3_RSA_DES_192_CBC3_SHA Cipher ID
	ssl3-rsa-des-64-cbc-sha-failures	number	SSL3_RSA_DES_64_CBC_SHA Failures

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-rsa-export1024-rc4-56-sha-failures	number	TLS1_RSA_EXPORT1024_RC4_56_SHA Failures
	tls1-ecdhe-sm2-sms4-sm3-successes	number	TLS1_ECDHE_SM2_WITH_SMS4_SM3 cipher successes
	tls1-rsa-export1024-rc4-56-md5-id	string	TLS1_RSA_EXPORT1024_RC4_56_MD5 Cipher ID
	tls1-ecdhe-sm2-sms4-gcm-sm3-failures	number	TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 cipher failures
	ssl3-rsa-rc4-128-md5-id	string	SSL3_RSA_RC4_128_MD5 Cipher ID
	kex-rsa-1024-successes	number	Successful 1024-bit RSA key exchanges
	tls1-rsa-aes-128-gcm-sha256-successes	number	TLS1_RSA_AES_128_GCM_SHA256 Successes
	tls1-ecdhe-rsa-aes-256-sha384-id	string	TLS1_ECDHE_RSA_AES_256_SHA384 Cipher ID
	sess-cache-hit	number	Session cache hits
	kex-ecdhe-sm2-failures	number	Failed sm2p256v1 ECDHE key exchanges
	ssl3-rsa-des-40-cbc-sha-successes	number	SSL3_RSA_DES_40_CBC_SHA Successes
	tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-successes	number	TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher successes
	kex-dhe-1024-successes	number	Successful 1024-bit DHE key exchanges
	tls1-ecdhe-sm2-sms4-sm3-id	string	TLS1_ECDHE_SM2_WITH_SMS4_SM3 Cipher ID

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Table 3.4 – continued from previous page

	Counter	Size	Description
	kex-ecdhe-secp521r1-successes	number	Successful secp521r1 ECDHE key exchanges
	tls1-ecdhe-ecdsa-aes-128-sha-successes	number	TLS1_ECDHE_ECDSA_AES_128_SHA Successes
	sni-automap-failures	number	Failed SNI auto mappings
	tls1-ecdhe-ecdsa-aes-128-gcm-sha256-failures	number	TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Failures
	ssl3-rsa-rc4-128-md5-failures	number	SSL3_RSA_RC4_128_MD5 Failures
	tls1-ecdhe-rsa-aes-128-sha-successes	number	TLS1_ECDHE_RSA_AES_128_SHA Successes
	tls1-ecdhe-ecdsa-aes-128-sha-failures	number	TLS1_ECDHE_ECDSA_AES_128_SHA Failures
	downgraded	number	TLS version downgraded
	tls1-ecdhe-rsa-aes-128-gcm-sha256-failures	number	TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Failures
	tls1-rsa-aes-256-sha256-id	string	TLS1_RSA_AES_256_SHA256 Cipher ID
	kex-dhe-2048-successes	number	Successful 2048-bit DHE key exchanges
	hs-avg-time	number	Average handshake time in milliseconds
	tls12-failures	number	Failed TLS1.2 connections
	renego-tls13-successes	number	Successful TLS1.3 renegotiations
	tls13-aes-256-gcm-sha384-failures	number	TLS13_AES_256_GCM_SHA384 cipher failures
	tls1-ecdhe-rsa-aes-128-sha256-successes	number	TLS1_ECDHE_RSA_AES_128_SHA256 Successes

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Table 3.4 – continued from previous page

	Counter	Size	Description
	ssl3-rsa-des-192-cbc3-sha-successes	number	SSL3_RSA_DES_192_CBC3_SHA Successes
	kex-rsa-4096-failures	number	Failed 4096-bit RSA key exchanges
	tls1-rsa-aes-256-sha-successes	number	TLS1_RSA_AES_256_SHA Successes
	sni-automap-conn-closed	number	Conn closed before SNI auto mappings
	renego-tls10-successes	number	Successful TLS1.0 renegotiations
	tls1-ecdhe-sm2-sms4-sha256-failures	number	TLS1_ECDHE_SM2_WITH_SMS4_SHA256 cipher failures
	renego-tls12-failures	number	Failed TLS1.2 renegotiations
	tls1-dhe-rsa-aes-256-gcm-sha384-id	string	TLS1_DHE_RSA_AES_256_GCM_SHA384 Cipher ID
	cert-vfy	number	Sent certificate verify for authentication
	sni-automap-successes	number	Successful SNI auto mappings
	tls1-rsa-aes-128-sha256-successes	number	TLS1_RSA_AES_128_SHA256 Successes
	tls1-dhe-rsa-aes-256-sha-successes	number	TLS1_DHE_RSA_AES_256_SHA Successes
	tls1-dhe-rsa-aes-256-sha-failures	number	TLS1_DHE_RSA_AES_256_SHA Failures
	tls1-ecdhe-ecdsa-aes-128-sha256-id	string	TLS1_ECDHE_ECDSA_AES_128_SHA256 Cipher ID
	tls1-dhe-rsa-aes-128-gcm-sha256-id	string	TLS1_DHE_RSA_AES_128_GCM_SHA256 Cipher ID
	tls1-ecdhe-rsa-aes-128-sha-failures	number	TLS1_ECDHE_RSA_AES_128_SHA Failures

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-failures	number	TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher failures
	renego-tls10-failures	number	Failed TLS1.0 renegotiations
	sess-cache-miss	number	Session cache misses
	kex-rsa-1024-failures	number	Failed 1024-bit RSA key exchanges
	tls1-ecdhe-rsa-aes-128-gcm-sha256-successes	number	TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Successes
	tls12-successes	number	Successful TLS1.2 connections
	sni-automap-max-active-conn	number	Failed SNI auto map due to max active limit
	sess-cache-curr-conn	number	Session cache current connections
	kex-dhe-2048-failures	number	Failed 2048-bit DHE key exchanges
	kex-rsa-512-failures	number	Failed 512-bit RSA key exchanges
	tls1-rsa-aes-256-sha256-failures	number	TLS1_RSA_AES_256_SHA256 Failures
	tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-id	string	TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher ID
	tls1-ecdhe-sm2-sms4-gcm-sm3-id	string	TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 Cipher ID
	tls10-successes	number	Successful TLS1.0 connections
	ssl3-rsa-rc4-40-md5-id	string	SSL3_RSA_RC4_40_MD5 Cipher ID
	kex-ecdhe-x448-failures	number	Failed x448 ECDHE key exchanges
	tls13-aes-128-gcm-sha256-successes	number	TLS13_AES_128_GCM_SHA256 cipher successes

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-ecdhe-ecdsa-aes-256-gcm-sha384-successes	number	TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Successes
	renego-tls12-successes	number	Successful TLS1.2 renegotiations
	ssl2-successes	number	Successful SSL2 connections
	kex-ecdhe-secp256r1-failures	number	Failed secp256r1 ECDHE key exchanges
	sess-cache-new	number	Session cache new entries
	tls1-dhe-rsa-aes-128-sha256-id	string	TLS1_DHE_RSA_AES_128_SHA256 Cipher ID
	kex-ecdhe-secp384r1-successes	number	Successful secp384r1 ECDHE key exchanges
	tls1-dhe-rsa-aes-128-sha-failures	number	TLS1_DHE_RSA_AES_128_SHA Failures
	kex-dhe-512-failures	number	Failed 512-bit DHE key exchanges
	kex-rsa-2048-successes	number	Successful 2048-bit RSA key exchanges
	tls13-chacha20-poly1305-sha256-successes	number	TLS13_CHACHA20_POLY1305_SHA256 cipher successes
	tls11-failures	number	Failed TLS1.1 connections
	renego-ssl2-failures	number	Failed SSL2 renegotiations
	tls1-ecdhe-rsa-aes-128-sha256-id	string	TLS1_ECDHE_RSA_AES_128_SHA256 Cipher ID
	kex-ecdhe-x25519-failures	number	Failed x25519 ECDHE key exchanges
	tls1-ecdhe-ecdsa-aes-256-sha384-successes	number	TLS1_ECDHE_ECDSA_AES_256_SHA384 Successes

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-ecdhe-rsa-chacha20-poly1305-sha256-successes	number	TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher successes
	tls1-ecdhe-rsa-aes-128-sha-id	string	TLS1_ECDHE_RSA_AES_128_SHA Cipher ID
	tls1-rsa-aes-256-gcm-sha384-successes	number	TLS1_RSA_AES_256_GCM_SHA384 Successes
	tls1-rsa-aes-128-sha-failures	number	TLS1_RSA_AES_128_SHA Failures
	kex-dhe-512-successes	number	Successful 512-bit DHE key exchanges
	tls1-ecdhe-rsa-aes-256-gcm-sha384-id	string	TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Cipher ID
	tls1-dhe-rsa-aes-128-sha256-failures	number	TLS1_DHE_RSA_AES_128_SHA256 Failures
	tls1-dhe-rsa-chacha20-poly1305-sha256-id	string	TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher ID
	tls13-chacha20-poly1305-sha256-id	string	TLS13_CHACHA20_POLY1305_SHA256 Cipher ID
	renego-tls11-successes	number	Successful TLS1.1 renegotiations
	tls1-dhe-rsa-aes-256-sha256-id	string	TLS1_DHE_RSA_AES_256_SHA256 Cipher ID
	tls1-ecdhe-rsa-aes-256-sha-failures	number	TLS1_ECDHE_RSA_AES_256_SHA Failures
	tls1-ecdhe-ecdsa-aes-256-gcm-sha384-id	string	TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Cipher ID

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-ecdhe-rsa-chacha20-poly1305-sha256-id	string	TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher ID
	ssl3-rsa-rc4-40-md5-successes	number	SSL3_RSA_RC4_40_MD5 Successes
	tls1-ecdhe-rsa-aes-128-gcm-sha256-id	string	TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Cipher ID
	ssl3-successes	number	Successful SSL3 connections
	sni-bypass-expired-cert	number	SNI bypass event due to certificate expired
	tls1-rsa-aes-128-sha256-failures	number	TLS1_RSA_AES_128_SHA256 Failures
	kex-ecdhe-sm2-successes	number	Successful sm2p256v1 ECDHE key exchanges
	vserver	string	virtual server name
	renego-ssl3-failures	number	Failed SSL3 renegotiations
	kex-dhe-1024-failures	number	Failed 1024-bit DHE key exchanges
	tls1-ecdhe-ecdsa-aes-256-sha-id	string	TLS1_ECDHE_ECDSA_AES_256_SHA Cipher ID
	kex-ecdhe-secp521r1-failures	number	Failed secp521r1 ECDHE key exchanges
	tls1-ecdhe-ecdsa-aes-128-gcm-sha256-id	string	TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Cipher ID
	ssl3-rsa-rc4-128-sha-id	string	SSL3_RSA_RC4_128_SHA Cipher ID
	renegotiation-total	number	Total renegotiations
	tls1-dhe-rsa-aes-256-sha256-failures	number	TLS1_DHE_RSA_AES_256_SHA256 Failures
	kex-ecdhe-x25519-successes	number	Successful x25519 ECDHE key exchanges

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-dhe-rsa-aes-128-sha-successes	number	TLS1_DHE_RSA_AES_128_SHA Successes
	tls1-dhe-rsa-aes-128-sha-id	string	TLS1_DHE_RSA_AES_128_SHA Cipher ID
	tls10-failures	number	Failed TLS1.0 connections
	tls1-rsa-aes-256-gcm-sha384-failures	number	TLS1_RSA_AES_256_GCM_SHA384 Failures
	ssl3-failures	number	Failed SSL3 connections
	sni-bypass-explicit-list	number	SNI bypass event due to matched explicit bypass list
	ssl3-rsa-des-192-cbc3-sha-failures	number	SSL3_RSA_DES_192_CBC3_SHA Failures
	tls1-ecdhe-ecdsa-aes-256-sha-failures	number	TLS1_ECDHE_ECDSA_AES_256_SHA Failures
	tls1-dhe-rsa-aes-128-sha256-successes	number	TLS1_DHE_RSA_AES_128_SHA256 Successes
	ssl3-rsa-des-64-cbc-sha-successes	number	SSL3_RSA_DES_64_CBC_SHA Successes
	tls1-ecdhe-ecdsa-aes-256-sha-successes	number	TLS1_ECDHE_ECDSA_AES_256_SHA Successes
	tls1-rsa-aes-128-gcm-sha256-failures	number	TLS1_RSA_AES_128_GCM_SHA256 Failures
	tls13-aes-128-gcm-sha256-failures	number	TLS13_AES_128_GCM_SHA256 cipher failures
	hs-failures	number	Total handshake failures
	tls1-ecdhe-rsa-aes-256-sha-id	string	TLS1_ECDHE_RSA_AES_256_SHA Cipher ID
	ssl2-failures	number	Failed SSL2 connections

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Table 3.4 – continued from previous page

	Counter	Size	Description
	tls1-ecdhe-ecdsa-aes-128-gcm-sha256-successes	number	TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Successes
	sess-cache-timeout	number	Session cache timeouts
	tls1-ecdhe-rsa-aes-256-sha-successes	number	TLS1_ECDHE_RSA_AES_256_SHA Successes
	tls1-rsa-export1024-rc4-56-md5-failures	number	TLS1_RSA_EXPORT1024_RC4_56_MD5 Failures
	tls1-dhe-rsa-aes-256-sha-id	string	TLS1_DHE_RSA_AES_256_SHA Cipher ID
	tls1-ecdhe-rsa-aes-128-sha256-failures	number	TLS1_ECDHE_RSA_AES_128_SHA256 Failures
	kex-ecdhe-secp256r1-successes	number	Successful secp256r1 ECDHE key exchanges
	sni-bypass-missing-cert	number	SNI bypass event due to missing cert/key

3.65.20 slb ssl-crl

Retrieved Certificate Revocation List

ssl-crl Specification

Type	*operational*
Element Name	ssl-crl
Element URI	/axapi/v3/slb/ssl-crl
Element Attributes	ssl-crl_attributes
Operational Data URI	/axapi/v3/slb/ssl-crl/oper
Schema	`ssl-crl schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-crl

ssl-crl attributes

ssl-crl attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	vserver	string	virtual server name
	crl-info		crl-info
	port	number	Virtual Port

3.65.21 slb ssl-error

Error

ssl-error Specification

Type	*operational*
Element Name	ssl-error
Element URI	/axapi/v3/slb/ssl-error
Element Attributes	ssl-error_attributes
Statistics Data URI	/axapi/v3/slb/ssl-error/stats
Operational Data URI	/axapi/v3/slb/ssl-error/oper
Schema	`ssl-error schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-error

ssl-error attributes

ssl-error attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	bad-data-returned-by-callback	8	bad data returned by callback
	bad-protocol-version-counter	8	bad protocol version counter
	ssl-library-has-no-ciphers	8	ssl library has no ciphers
	bad-signature	8	bad signature
	block-cipher-pad-is-wrong	8	block cipher pad is wrong
	null-ssl-method-passed	8	null ssl method passed
	no-certificate-returned	8	no certificate returned
	no-certificates-returned	8	no certificates returned
	tlsv1-alert-insufficient-security	8	tlsv1 alert insufficient security
	sslv3-alert-no-certificate	8	sslv3 alert no certificate
	no-private-key-assigned	8	no private key assigned
	unsupported-compression-algorithm	8	unsupported compression algorithm
	certificate-verify-failed	8	certificate verify failed
	krb5-server-tkt-skew	8	krb5 server tkt skew

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Table 3.5 – continued from previous page

	Counter	Size	Description
	sslv3-alert-decompression-failure	8	sslv3 alert decompression failure
	bad-ssl-filetype	8	bad ssl filetype
	ca-dn-length-mismatch	8	ca dn length mismatch
	write-bio-not-set	8	write bio not set
	connection-type-not-set	8	connection type not set
	dh-public-value-length-is-wrong	8	dh public value length is wrong
	bio-not-set	8	bio not set
	compression-library-error	8	compression library error
	unable-to-load-ssl2-md5-routines	8	unable to load ssl2 md5 routines
	bad-ecdsa-sig	8	bad ecdsa sig
	krb5-client-mk-req	8	krb5 client mk_req
	uninitialized	8	uninitialized
	tlsv1-alert-decode-error	8	tlsv1 alert decode error
	reuse-cert-length-not-zero	8	reuse cert length not zero
	ssl3-ext-invalid-servername-type	8	ssl3 ext invalid servername type
	unknown-cipher-type	8	unknown cipher type
	ssl23-doing-session-id-reuse	8	ssl23 doing session id reuse
	tls-invalid-ecpointformat-list	8	tls invalid ecpointformat list
	null-ssl-ctx	8	null ssl ctx
	bad-decompression	8	bad decompression
	unknown-certificate-type	8	unknown certificate type

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Table 3.5 – continued from previous page

	Counter	Size	Description
	bad-response-argument	8	bad response argument
	unknown-pkey-type	8	unknown pkey type
	bad-message-type	8	bad message type
	sslv3-alert-bad-record-mac	8	sslv3 alert bad record mac
	compression-failure	8	compression failure
	no-certificate-specified	8	no certificate specified
	unknown-state	8	unknown state
	read-wrong-packet-type	8	read wrong packet type
	missing-tmp-dh-key	8	missing tmp dh key
	peer-did-not-return-a-certificate	8	peer did not return a certificate
	missing-tmp-rsa-key	8	missing tmp rsa key
	invalid-challenge-length	8	invalid challenge length
	old-session-cipher-not-returned	8	old session cipher not returned
	extra-data-in-message	8	extra data in message
	missing-dsa-signing-cert	8	missing dsa signing cert
	packet-length-too-long	8	packet length too long
	tls-peer-did-not-respond-with-cert-list	8	tls peer did not respond with cert list
	ssl-session-id-conflict	8	ssl session id conflict
	unsupported-cipher	8	unsupported cipher
	cert-length-mismatch	8	cert length mismatch

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Table 3.5 – continued from previous page

	Counter	Size	Description
	data-between-ccs-and-finished	8	data between ccs and finished
	unexpected-message	8	unexpected message
	bad-digest-length	8	bad digest length
	https-proxy-request	8	https proxy request
	wrong-cipher-returned	8	wrong cipher returned
	ssl2-connection-id-too-long	8	ssl2 connection id too long
	unsupported-status-type	8	unsupported status type
	tls-client-cert-req-with-anon-cipher	8	tls client cert req with anon cipher
	no-required-digest	8	no required digest
	ssl3-session-id-too-long	8	ssl3 session id too long
	length-mismatch	8	length mismatch
	tlsv1-alert-unknown-ca	8	tlsv1 alert unknown ca
	ssl3-ext-invalid-servername	8	ssl3 ext invalid servername
	tlsv1-alert-no-renegotiation	8	tlsv1 alert no renegotiation
	sslv3-alert-unexpected-msg	8	sslv3 alert unexpected msg
	missing-rsa-encrypting-cert	8	missing rsa encrypting cert
	sslv3-alert-illegal-parameter	8	sslv3 alert illegal parameter
	decryption-failed-or-bad-record-mac	8	decryption failed or bad record mac

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Table 3.5 – continued from previous page

	Counter	Size	Description
	cipher-or-hash-unavailable	8	cipher or hash unavailable
	wrong-signature-size	8	wrong signature size
	unable-to-decode-dh-certs	8	unable to decode dh certs
	data-length-too-long	8	data length too long
	unsupported-ssl-version	8	unsupported ssl version
	invalid-command	8	invalid command
	wrong-ssl-version	8	wrong ssl version
	bad-change-cipher-spec	8	bad change cipher spec
	unable-to-find-public-key-parameters	8	unable to find public key parameters
	short-read	8	short read
	no-compression-specified	8	no compression specified
	attempt-to-reuse-sess-in-diff-context	8	attempt to reuse sess in diff context
	sslv3-alert-certificate-unknown	8	sslv3 alert certificate unknown
	protocol-is-shutdown	8	protocol is shutdown
	no-ciphers-passed	8	no ciphers passed
	bad-dh-pub-key-length	8	bad dh pub key length
	invalid-purpose	8	invalid purpose
	bad-write-retry	8	bad write retry
	no-certificate-assigned	8	no certificate assigned
	unknown-ssl-version	8	unknown ssl version

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Table 3.5 – continued from previous page

	Counter	Size	Description
	serverhello-tlsext	8	serverhello tlsext
	pre-mac-length-too-long	8	pre mac length too long
	unsupported-elliptic-curve	8	unsupported elliptic curve
	sslv3-alert-peer-error-no-cert	8	sslv3 alert peer error no cert
	bad-dh-g-length	8	bad dh g length
	parse-tlsext	8	parse tlsext
	bad-handshake-length	8	bad handshake length
	ssl3-session-id-too-short	8	ssl3 session id too short
	wrong-version-counter	8	wrong version counter
	unknown-alert-type	8	unknown alert type
	record-too-small	8	record too small
	public-key-not-rsa	8	public key not rsa
	sslv3-alert-peer-error-cert	8	sslv3 alert peer error cert
	unable-to-load-ssl3-sha1-routines	8	unable to load ssl3 sha1 routines
	sslv3-alert-handshake-failure	8	sslv3 alert handshake failure
	no-ciphers-specified	8	no ciphers specified
	krb5-server-bad-ticket	8	krb5 server bad ticket
	challenge-is-different	8	challenge is different
	ssl-session-id-is-different	8	ssl session id is different
	compressed-length-too-long	8	compressed length too long

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Table 3.5 – continued from previous page

	Counter	Size	Description
	missing-rsa-certificate	8	missing rsa certificate
	ca-dn-too-long	8	ca dn too long
	required-cipher-missing	8	required cipher missing
	bad-ecc-cert	8	bad ecc cert
	krb5-server-rd-req	8	krb5 server rd_req
	bad-mac-decode	8	bad mac decode
	no-verify-callback	8	no verify callback
	krb5-server-init	8	krb5 server init
	unexpected-record	8	unexpected record
	public-key-is-not-rsa	8	public key is not rsa
	sslv3-alert-bad-certificate	8	sslv3 alert bad certificate
	length-too-short	8	length too short
	peer-error-no-cipher	8	peer error no cipher
	missing-tmp-rsa-pkey	8	missing tmp rsa pkey
	missing-dh-rsa-cert	8	missing dh rsa cert
	tlsv1-alert-decrypt-error	8	tlsv1 alert decrypt error
	bad-hello-request	8	bad hello request
	bad-dsa-signature	8	bad dsa signature
	connection-id-is-different	8	connection id is different
	no-cipher-match	8	no cipher match
	missing-dh-key	8	missing dh key
	ssl-handshake-failure	8	ssl handshake failure
	bad-checksum	8	bad checksum

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Table 3.5 – continued from previous page

	Counter	Size	Description
	unknown-cipher-returned	8	unknown cipher returned
	no-client-cert-received	8	no client cert received
	unsupported-option	8	unsupported option
	bad-packet-length	8	bad packet length
	tlsv1-alert-internal-error	8	tlsv1 alert internal error
	peer-error	8	peer error
	multiple-sgc-restarts	8	multiple sgc restarts
	bad-rsa-encrypt	8	bad rsa encrypt
	ssl-session-id-callback-failed	8	ssl session id callback failed
	no-method-specified	8	no method specified
	tlsv1-alert-export-restriction	8	tlsv1 alert export restriction
	missing-rsa-signing-cert	8	missing rsa signing cert
	krb5-client-init	8	krb5 client init
	reuse-cert-type-not-zero	8	reuse cert type not zero
	unable-to-find-dh-parameters	8	unable to find dh parameters
	digest-check-failed	8	digest check failed
	app-data-in-handshake	8	app data in handshake
	x509-lib	8	x509 lib
	no-cipher-list	8	no cipher list
	sslv3-alert-peer-error-unsupp-cert-type	8	sslv3 alert peer error unsupp cert type
	sslv3-alert-certificate-expired	8	sslv3 alert certificate expired
	unable-to-extract-public-key	8	unable to extract public key

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Table 3.5 – continued from previous page

	Counter	Size	Description
	peer-error-unsupported-certificate-type	8	peer error unsupported certificate type
	ssl-ctx-has-no-default-ssl-version	8	ssl ctx has no default ssl version
	tls-rsa-encrypted-value-length-is-wrong	8	tls rsa encrypted value length is wrong
	missing-export-tmp-rsa-key	8	missing export tmp rsa key
	no-shared-cipher	8	no shared cipher
	error-in-received-cipher-list	8	error in received cipher list
	unable-to-load-ssl3-md5-routines	8	unable to load ssl3 md5 routines
	cipher-table-src-error	8	cipher table src error
	no-privatekey	8	no privatekey
	tlsv1-alert-protocol-version	8	tlsv1 alert protocol version
	session-id-context-uninitialized	8	session id context uninitialized
	bad-alert-record	8	bad alert record
	non-sslv2-initial-packet	8	non sslv2 initial packet
	ccs-received-early	8	ccs received early
	http-request	8	http request
	path-too-long	8	path too long
	bad-ecpoint	8	bad ecpoint
	bad-state	8	bad state
	reuse-cipher-list-not-zero	8	reuse cipher list not zero
	krb5	8	krb5
	tried-to-use-unsupported-cipher	8	tried to use unsupported cipher

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Table 3.5 – continued from previous page

	Counter	Size	Description
	krb5-client-cc-principal	8	krb5 client cc principal
	missing-export-tmp-dh-key	8	missing export tmp dh key
	krb5-client-get-cred	8	krb5 client get cred
	error-generating-tmp-rsa-key	8	error generating tmp rsa key
	missing-verify-message	8	missing verify message
	krb5-server-tkt-expired	8	krb5 server tkt expired
	unsupported-protocol	8	unsupported protocol
	tlsv1-alert-access-denied	8	tlsv1 alert access denied
	decryption-failed	8	decryption failed
	sslv3-alert-certificate-revoked	8	sslv3 alert certificate revoked
	unknown-protocol	8	unknown protocol
	bad-authentication-type	8	bad authentication type
	clienthello-tlsext	8	clienthello tlsext
	missing-dh-dsa-cert	8	missing dh dsa cert
	signature-for-non-signing-certificate	8	signature for non signing certificate
	bad-length	8	bad length
	peer-error-certificate	8	peer error certificate
	bad-rsa-e-length	8	bad rsa e length
	unsupported-digest-type	8	unsupported digest type
	ssl-session-id-context-too-long	8	ssl session id context too long

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Table 3.5 – continued from previous page

	Counter	Size	Description
	no-certificate-set	8	no certificate set
	message-too-long	8	message too long
	record-too-large	8	record too large
	key-arg-too-long	8	key arg too long
	sslv3-alert-unspported-cert	8	sslv3 alert unspported cert
	cipher-code-wrong-length	8	cipher code wrong length
	no-protocols-available	8	no protocols available
	bn-lib	8	bn lib
	got-a-fin-before-a-ccs	8	got a fin before a ccs
	krb5-server-tkt-not-yet-valid	8	krb5 server tkt not yet valid
	bad-rsa-signature	8	bad rsa signature
	record-length-mismatch	8	record length mismatch
	public-key-encrypt-error	8	public key encrypt error
	wrong-counter-of-key-bits	8	wrong counter of key bits
	x509-verification-setup-problems	8	x509 verification setup problems
	problems-mapping-cipher-functions	8	problems mapping cipher functions
	mast-key-too-long	8	mast key too long
	tlsv1-alert-decryption-failed	8	tlsv1 alert decryption failed
	invalid-trust	8	invalid trust
	sslv3-alert-peer-error-no-cipher	8	sslv3 alert peer error no cipher

continues on next page

Table 3.5 – continued from previous page

	Counter	Size	Description
	unable-to-find-ssl-method	8	unable to find ssl method
	unknown-key-exchange-type	8	unknown key exchange type
	invalid-status-response	8	invalid status response
	cookie-mismatch	8	cookie mismatch
	tlsv1-alert-record-overflow	8	tlsv1 alert record overflow
	sslv3-alert-unknown-remote-err-type	8	sslv3 alert unknown remote err type
	encrypted-length-too-long	8	encrypted length too long
	wrong-message-type	8	wrong message type
	unknown-remote-error-type	8	unknown remote error type
	inappropriate-fallback	8	inappropriate fallback
	bad-rsa-decrypt	8	bad rsa decrypt
	bad-rsa-modulus-length	8	bad rsa modulus length
	no-ciphers-available	8	no ciphers available
	bad-ssl-session-id-length	8	bad ssl session id length
	no-publickey	8	no publickey
	excessive-message-size	8	excessive message size
	peer-error-no-certificate	8	peer error no certificate
	library-bug	8	library bug
	ssl-session-id-has-bad-length	8	ssl session id has bad length

continues on next page

Table 3.5 – continued from previous page

	Counter	Size	Description
	bad-dh-p-length	8	bad dh p length
	tlsv1-alert-user-cancelled	8	tlsv1 alert user cancelled
	wrong-signature-length	8	wrong signature length
	read-bio-not-set	8	read bio not set
	scsv-received-when-renegotiating	8	scsv received when renegotiating
	illegal-padding	8	illegal padding
	library-has-no-ciphers	8	library has no ciphers

operational data

	Counter	Size	Description
	bad-data-returned-by-callback	number	bad data returned by callback
	problems-mapping-cipher-functions	number	problems mapping cipher functions
	wrong-number-of-key-bits	number	wrong number of key bits
	ssl-library-has-no-ciphers	number	ssl library has no ciphers
	bad-signature	number	bad signature
	block-cipher-pad-is-wrong	number	block cipher pad is wrong
	bad-protocol-version-number	number	bad protocol version number
	null-ssl-method-passed	number	null ssl method passed
	no-certificate-returned	number	no certificate returned

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	no-certificates-returned	number	no certificates returned
	tlsv1-alert-insufficient-security	number	tlsv1 alert insufficient security
	sslv3-alert-no-certificate	number	sslv3 alert no certificate
	no-private-key-assigned	number	no private key assigned
	unsupported-compression-algorithm	number	unsupported compression algorithm
	certificate-verify-failed	number	certificate verify failed
	krb5-server-tkt-skew	number	krb5 server tkt skew
	sslv3-alert-decompression-failure	number	sslv3 alert decompression failure
	bad-ssl-filetype	number	bad ssl filetype
	ca-dn-length-mismatch	number	ca dn length mismatch
	write-bio-not-set	number	write bio not set
	connection-type-not-set	number	connection type not set
	dh-public-value-length-is-wrong	number	dh public value length is wrong
	bio-not-set	number	bio not set
	compression-library-error	number	compression library error
	unable-to-load-ssl2-md5-routines	number	unable to load ssl2 md5 routines
	bad-ecdsa-sig	number	bad ecdsa sig
	krb5-client-mk-req	number	krb5 client mk_req
	uninitialized	number	uninitialized
	tlsv1-alert-decode-error	number	tlsv1 alert decode error
	reuse-cert-length-not-zero	number	reuse cert length not zero

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	ssl3-ext-invalid-servername-type	number	ssl3 ext invalid servername type
	unknown-cipher-type	number	unknown cipher type
	ssl23-doing-session-id-reuse	number	ssl23 doing session id reuse
	tls-invalid-ecpointformat-list	number	tls invalid ecpointformat list
	null-ssl-ctx	number	null ssl ctx
	bad-decompression	number	bad decompression
	unknown-certificate-type	number	unknown certificate type
	bad-response-argument	number	bad response argument
	unknown-pkey-type	number	unknown pkey type
	bad-message-type	number	bad message type
	sslv3-alert-bad-record-mac	number	sslv3 alert bad record mac
	compression-failure	number	compression failure
	no-certificate-specified	number	no certificate specified
	unknown-state	number	unknown state
	read-wrong-packet-type	number	read wrong packet type
	missing-tmp-dh-key	number	missing tmp dh key
	peer-did-not-return-a-certificate	number	peer did not return a certificate
	missing-tmp-rsa-key	number	missing tmp rsa key
	invalid-challenge-length	number	invalid challenge length

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	old-session-cipher-not-returned	number	old session cipher not returned
	extra-data-in-message	number	extra data in message
	missing-dsa-signing-cert	number	missing dsa signing cert
	packet-length-too-long	number	packet length too long
	tls-peer-did-not-respond-with-cert-list	number	tls peer did not respond with cert list
	ssl-session-id-conflict	number	ssl session id conflict
	unsupported-cipher	number	unsupported cipher
	cert-length-mismatch	number	cert length mismatch
	data-between-ccs-and-finished	number	data between ccs and finished
	unexpected-message	number	unexpected message
	bad-digest-length	number	bad digest length
	https-proxy-request	number	https proxy request
	wrong-cipher-returned	number	wrong cipher returned
	ssl2-connection-id-too-long	number	ssl2 connection id too long
	unsupported-status-type	number	unsupported status type
	tls-client-cert-req-with-anon-cipher	number	tls client cert req with anon cipher
	no-required-digest	number	no required digest
	ssl3-session-id-too-long	number	ssl3 session id too long
	length-mismatch	number	length mismatch
	tlsv1-alert-unknown-ca	number	tlsv1 alert unknown ca

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	ssl3-ext-invalid-servername	number	ssl3 ext invalid servername
	tlsv1-alert-no-renegotiation	number	tlsv1 alert no renegotiation
	sslv3-alert-unexpected-msg	number	sslv3 alert unexpected msg
	missing-rsa-encrypting-cert	number	missing rsa encrypting cert
	sslv3-alert-illegal-parameter	number	sslv3 alert illegal parameter
	decryption-failed-or-bad-record-mac	number	decryption failed or bad record mac
	cipher-or-hash-unavailable	number	cipher or hash unavailable
	wrong-signature-size	number	wrong signature size
	unable-to-decode-dh-certs	number	unable to decode dh certs
	data-length-too-long	number	data length too long
	unsupported-ssl-version	number	unsupported ssl version
	invalid-command	number	invalid command
	wrong-ssl-version	number	wrong ssl version
	bad-change-cipher-spec	number	bad change cipher spec
	unable-to-find-public-key-parameters	number	unable to find public key parameters
	short-read	number	short read
	no-compression-specified	number	no compression specified

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	attempt-to-reuse-sess-in-diff-context	number	attempt to reuse sess in diff context
	sslv3-alert-certificate-unknown	number	sslv3 alert certificate unknown
	protocol-is-shutdown	number	protocol is shutdown
	no-ciphers-passed	number	no ciphers passed
	bad-dh-pub-key-length	number	bad dh pub key length
	invalid-purpose	number	invalid purpose
	bad-write-retry	number	bad write retry
	no-certificate-assigned	number	no certificate assigned
	serverhello-tlsext	number	serverhello tlsext
	pre-mac-length-too-long	number	pre mac length too long
	unsupported-elliptic-curve	number	unsupported elliptic curve
	sslv3-alert-peer-error-no-cert	number	sslv3 alert peer error no cert
	bad-dh-g-length	number	bad dh g length
	parse-tlsext	number	parse tlsext
	bad-handshake-length	number	bad handshake length
	ssl3-session-id-too-short	number	ssl3 session id too short
	unknown-alert-type	number	unknown alert type
	record-too-small	number	record too small
	public-key-not-rsa	number	public key not rsa
	sslv3-alert-peer-error-cert	number	sslv3 alert peer error cert

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	unable-to-load-ssl3-sha1-routines	number	unable to load ssl3 sha1 routines
	sslv3-alert-handshake-failure	number	sslv3 alert handshake failure
	no-ciphers-specified	number	no ciphers specified
	krb5-server-bad-ticket	number	krb5 server bad ticket
	challenge-is-different	number	challenge is different
	ssl-session-id-is-different	number	ssl session id is different
	compressed-length-too-long	number	compressed length too long
	missing-rsa-certificate	number	missing rsa certificate
	ca-dn-too-long	number	ca dn too long
	required-cipher-missing	number	required cipher missing
	bad-ecc-cert	number	bad ecc cert
	krb5-server-rd-req	number	krb5 server rd_req
	bad-mac-decode	number	bad mac decode
	no-verify-callback	number	no verify callback
	krb5-server-init	number	krb5 server init
	unexpected-record	number	unexpected record
	public-key-is-not-rsa	number	public key is not rsa
	sslv3-alert-bad-certificate	number	sslv3 alert bad certificate
	length-too-short	number	length too short
	peer-error-no-cipher	number	peer error no cipher
	missing-tmp-rsa-pkey	number	missing tmp rsa pkey
	missing-dh-rsa-cert	number	missing dh rsa cert

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	tlsv1-alert-decrypt-error	number	tlsv1 alert decrypt error
	bad-hello-request	number	bad hello request
	bad-dsa-signature	number	bad dsa signature
	connection-id-is-different	number	connection id is different
	no-cipher-match	number	no cipher match
	missing-dh-key	number	missing dh key
	ssl-handshake-failure	number	ssl handshake failure
	bad-checksum	number	bad checksum
	unknown-cipher-returned	number	unknown cipher returned
	no-client-cert-received	number	no client cert received
	unsupported-option	number	unsupported option
	bad-packet-length	number	bad packet length
	tlsv1-alert-internal-error	number	tlsv1 alert internal error
	peer-error	number	peer error
	multiple-sgc-restarts	number	multiple sgc restarts
	bad-rsa-encrypt	number	bad rsa encrypt
	ssl-session-id-callback-failed	number	ssl session id callback failed
	no-method-specified	number	no method specified
	tlsv1-alert-export-restriction	number	tlsv1 alert export restriction
	missing-rsa-signing-cert	number	missing rsa signing cert
	krb5-client-init	number	krb5 client init
	reuse-cert-type-not-zero	number	reuse cert type not zero

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	unable-to-find-dh-parameters	number	unable to find dh parameters
	digest-check-failed	number	digest check failed
	app-data-in-handshake	number	app data in handshake
	x509-lib	number	x509 lib
	no-cipher-list	number	no cipher list
	sslv3-alert-peer-error-unsupp-cert-type	number	sslv3 alert peer error unsupp cert type
	sslv3-alert-certificate-expired	number	sslv3 alert certificate expired
	unable-to-extract-public-key	number	unable to extract public key
	peer-error-unsupported-certificate-type	number	peer error unsupported certificate type
	ssl-ctx-has-no-default-ssl-version	number	ssl ctx has no default ssl version
	tls-rsa-encrypted-value-length-is-wrong	number	tls rsa encrypted value length is wrong
	missing-export-tmp-rsa-key	number	missing export tmp rsa key
	no-shared-cipher	number	no shared cipher
	error-in-received-cipher-list	number	error in received cipher list
	unable-to-load-ssl3-md5-routines	number	unable to load ssl3 md5 routines
	cipher-table-src-error	number	cipher table src error
	no-privatekey	number	no privatekey
	tlsv1-alert-protocol-version	number	tlsv1 alert protocol version

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	session-id-context-uninitialized	number	session id context uninitialized
	bad-alert-record	number	bad alert record
	non-sslv2-initial-packet	number	non sslv2 initial packet
	ccs-received-early	number	ccs received early
	http-request	number	http request
	path-too-long	number	path too long
	bad-ecpoint	number	bad ecpoint
	bad-state	number	bad state
	reuse-cipher-list-not-zero	number	reuse cipher list not zero
	krb5	number	krb5
	tried-to-use-unsupported-cipher	number	tried to use unsupported cipher
	krb5-client-cc-principal	number	krb5 client cc principal
	missing-export-tmp-dh-key	number	missing export tmp dh key
	krb5-client-get-cred	number	krb5 client get cred
	error-generating-tmp-rsa-key	number	error generating tmp rsa key
	missing-verify-message	number	missing verify message
	wrong-version-number	number	wrong version number
	krb5-server-tkt-expired	number	krb5 server tkt expired
	unsupported-protocol	number	unsupported protocol
	tlsv1-alert-access-denied	number	tlsv1 alert access denied
	decryption-failed	number	decryption failed
	sslv3-alert-certificate-revoked	number	sslv3 alert certificate revoked
	unknown-protocol	number	unknown protocol

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	bad-authentication-type	number	bad authentication type
	clienthello-tlsext	number	clienthello tlsext
	missing-dh-dsa-cert	number	missing dh dsa cert
	signature-for-non-signing-certificate	number	signature for non signing certificate
	bad-length	number	bad length
	peer-error-certificate	number	peer error certificate
	bad-rsa-e-length	number	bad rsa e length
	unsupported-digest-type	number	unsupported digest type
	ssl-session-id-context-too-long	number	ssl session id context too long
	no-certificate-set	number	no certificate set
	message-too-long	number	message too long
	record-too-large	number	record too large
	key-arg-too-long	number	key arg too long
	sslv3-alert-unspported-cert	number	sslv3 alert unspported cert
	cipher-code-wrong-length	number	cipher code wrong length
	no-protocols-available	number	no protocols available
	bn-lib	number	bn lib
	got-a-fin-before-a-ccs	number	got a fin before a ccs
	krb5-server-tkt-not-yet-valid	number	krb5 server tkt not yet valid
	bad-rsa-signature	number	bad rsa signature
	record-length-mismatch	number	record length mismatch
	public-key-encrypt-error	number	public key encrypt error

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	x509-verification-setup-problems	number	x509 verification setup problems
	unknown-ssl-version	number	unknown ssl version
	mast-key-too-long	number	mast key too long
	tlsv1-alert-decryption-failed	number	tlsv1 alert decryption failed
	invalid-trust	number	invalid trust
	sslv3-alert-peer-error-no-cipher	number	sslv3 alert peer error no cipher
	unable-to-find-ssl-method	number	unable to find ssl method
	unknown-key-exchange-type	number	unknown key exchange type
	invalid-status-response	number	invalid status response
	cookie-mismatch	number	cookie mismatch
	tlsv1-alert-record-overflow	number	tlsv1 alert record overflow
	sslv3-alert-unknown-remote-err-type	number	sslv3 alert unknown remote err type
	encrypted-length-too-long	number	encrypted length too long
	wrong-message-type	number	wrong message type
	unknown-remote-error-type	number	unknown remote error type
	inappropriate-fallback	number	inappropriate fallback
	bad-rsa-decrypt	number	bad rsa decrypt
	bad-rsa-modulus-length	number	bad rsa modulus length

continues on next page

Table 3.6 – continued from previous page

	Counter	Size	Description
	no-ciphers-available	number	no ciphers available
	bad-ssl-session-id-length	number	bad ssl session id length
	no-publickey	number	no publickey
	excessive-message-size	number	excessive message size
	peer-error-no-certificate	number	peer error no certificate
	library-bug	number	library bug
	ssl-session-id-has-bad-length	number	ssl session id has bad length
	bad-dh-p-length	number	bad dh p length
	tlsv1-alert-user-cancelled	number	tlsv1 alert user cancelled
	wrong-signature-length	number	wrong signature length
	read-bio-not-set	number	read bio not set
	scsv-received-when-renegotiating	number	scsv received when renegotiating
	illegal-padding	number	illegal padding
	library-has-no-ciphers	number	library has no ciphers

3.65.22 slb ssl-expire-check exception

Config the exception which will not be checked

exception Specification

Type	*operational*
Element Name	exception
Element URI	/axapi/v3/slb/ssl-expire-check/exception
Element Attributes	exception_attributes
Schema	`exception schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-expire-check/exception

exception attributes

exception attributes

action

Description 'add': Add an exception; 'delete': Delete an exception; 'clean': Delete all exception;

Type: string

Supported Values: add, delete, clean

certificate-name

Description The certificate name

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

3.65.23 slb ssl-forward-proxy-cert

Show hashed certificates

ssl-forward-proxy-cert Specification

Type	*operational*
Element Name	ssl-forward-proxy-cert
Element URI	/axapi/v3/slb/ssl-forward-proxy-cert
Element Attributes	ssl-forward-proxy-cert_attributes
Operational Data URI	/axapi/v3/slb/ssl-forward-proxy-cert/oper
Schema	`ssl-forward-proxy-cert schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-forward-proxy-cert

ssl-forward-proxy-cert attributes

ssl-forward-proxy-cert attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	server-name	string	Name of the server
	hashed-certificate		hashed-certificate
	vserver	string	virtual server name
	server-port	number	Port of the server
	server-ip	string	IPv4 or IPv6 address of the server
	port	number	Virtual Port

3.65.24 slb ssl-ocsp

SSL Online Certificate Status Protocol

ssl-ocsp Specification

Type	*operational*
Element Name	ssl-ocsp
Element URI	/axapi/v3/slb/ssl-ocsp
Element Attributes	ssl-ocsp_attributes
Operational Data URI	/axapi/v3/slb/ssl-ocsp/oper
Schema	`ssl-ocsp schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/ssl-ocsp

ssl-ocsp attributes

ssl-ocsp attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	total-entries	number	Total Entries
	cached-entries		cached-entries

3.65.25 slb template dblb calc-sha1

Calculate sha1 value of a cleartext password

calc-sha1 Specification

Type	*operational*
Element Name	calc-sha1
Element URI	/axapi/v3/slb/template/dblb/{name}/calc-sha1
Element Attributes	calc-sha1_attributes
Schema	`calc-sha1 schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/template/dblb/{name}/calc-sha1

calc-sha1 attributes

calc-sha1 attributes

sha1-value

Description Cleartext password

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.65.26 slb virtual-server migrate-vip

Migrate this virtual server

migrate-vip Specification

Type	*operational*
Element Name	migrate-vip
Element URI	/axapi/v3/slb/virtual-server/{name}/migrate-vip
Element Attributes	migrate-vip_attributes
Operational Data URI	/axapi/v3/slb/virtual-server/{name}/migrate-vip/oper
Schema	`migrate-vip schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/slb/virtual-server/{name}/migrate-vip

migrate-vip attributes

migrate-vip attributes

cancel-migration

Description Cancel migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cancel-migration and finish-migration are mutually exclusive

finish-migration

Description Complete the migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: finish-migration and cancel-migration are mutually exclusive

target-data-cpu

Description Number of CPUs on the target platform

Type: number

Range: 1-75

target-floating-ipv4

Description Specify IP address

Type: string

Format: ipv4-address

Mutual Exclusion: target-floating-ipv4 and target-floating-ipv6 are mutually exclusive

target-floating-ipv6

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: target-floating-ipv6 and target-floating-ipv4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	state	enum	Output contains one of the following values: - Sync started, Sync complete, Quiet mode, Not in migration

3.66 sshd

Objects:

3.66.1 sshd

SSHD service operation

sshd Specification

Type	*operational*
Element Name	sshd
Element URI	/axapi/v3/sshd
Element Attributes	sshd_attributes
Schema	`sshd schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sshd

sshd attributes

sshd attributes

file-url

Description File URL

Type: string

Format: url

generate

Description Generate SSH key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

load

Description Load SSH key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

regenerate

Description Wipe and generate SSH key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Restart SSH service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

size

Description '2048': Key size 2048bit; '4096': Key size 4096bit;

Type: string

Supported Values: 2048, 4096

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wipe

Description Wipe SSH key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.67 ssl

Objects:

3.67.1 ssl

Local file Mangement

ssl Specification

Type	*Intermediate Resource*
Element Name	ssl
Element URI	/axapi/v3/ssl
Element Attributes	ssl_attributes
Schema	`ssl schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ssl

ssl_attributes

ssl attributes

certificate

Description: certificate is a **JSON Block**. Please see below for *certificate*

Type: Object

Refernce Object: */axapi/v3/ssl/certificate/{name}*

key

Description: key is a **JSON Block**. Please see below for *key*

Type: Object

Refernce Object: */axapi/v3/ssl/key/{name}*

key

Specification	
Type	*object*

name

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

private-key

Description

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

certificate

Specification	
Type	*object*

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

name

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

public-key

Description

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

3.67.2 ssl certificate

ssl certificate file information and management commands

certificate Specification

Type	*operational*
Object Key(s)	*name*
Element Name	certificate
Element URI	/axapi/v3/ssl/certificate/{name}
Element Attributes	certificate_attributes
Schema	`certificate schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/ssl/certificate/{name}

certificate attributes

certificate attributes

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

name

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

public-key

Description

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

3.67.3 ssl key

ssl certificate and key file information and management commands

key Specification

Type	*operational*
Object Key(s)	*name*
Element Name	key
Element URI	/axapi/v3/ssl/key/{name}
Element Attributes	key_attributes
Schema	`key schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/ssl/key/{name}

key attributes

key attributes

name

Description ssl certificate local file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

private-key

Description

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

3.68 sys-audit-log

Objects:

3.68.1 sys-audit-log

System Audit Log Info

sys-audit-log Specification

Type	*operational*
Element Name	sys-audit-log
Element URI	/axapi/v3/sys-audit-log
Element Attributes	sys-audit-log_attributes
Operational Data URI	/axapi/v3/sys-audit-log/oper
Schema	`sys-audit-log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sys-audit-log

sys-audit-log attributes

sys-audit-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	system-audit-log		system-audit-log

3.69 sys-ut

Objects:

3.69.1 sys-ut run-test

Run currently setup test

run-test Specification

Type	*operational*
Element Name	run-test
Element URI	/axapi/v3/sys-ut/run-test
Element Attributes	run-test_attributes
Schema	`run-test schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sys-ut/run-test

run-test attributes

run-test attributes

mode

Description 'basic': Run Basic mode; 'fault-injection': Run FI mode. This will also run Basic mode to gather data; 'cpu-rr': Run CPU RR mode; 'frag': Run IP frag mode;

Type: string

Supported Values: basic, fault-injection, cpu-rr, frag

3.70 syslog

Objects:

3.70.1 syslog

System Log Info

syslog Specification

Type	*operational*
Element Name	syslog
Element URI	/axapi/v3/syslog
Element Attributes	syslog_attributes
Operational Data URI	/axapi/v3/syslog/oper
Schema	`syslog schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/syslog

syslog attributes

syslog attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	system-log		system-log
	next-msg-idx	number	next-msg-idx

3.71 system

Objects:

3.71.1 system add-cpu-core

Add CPU cores

add-cpu-core Specification

Type	*operational*
Element Name	add-cpu-core
Element URI	/axapi/v3/system/add-cpu-core
Element Attributes	add-cpu-core_attributes
Schema	`add-cpu-core schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/add-cpu-core

add-cpu-core attributes

add-cpu-core attributes

core-index

Description core index to be added (Specify core index)

Type: number

Range: 0-128

3.71.2 system add-port

Add port to Active list

add-port Specification

Type	*operational*
Element Name	add-port
Element URI	/axapi/v3/system/add-port
Element Attributes	add-port_attributes
Schema	`add-port schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/add-port

add-port attributes

add-port attributes

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

3.71.3 system cm-update-file-name-ref

update the bind name

cm-update-file-name-ref Specification

Type	*operational*
Element Name	cm-update-file-name-ref
Element URI	/axapi/v3/system/cm-update-file-name-ref
Element Attributes	cm-update-file-name-ref_attributes
Schema	`cm-update-file-name-ref schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/cm-update-file-name-ref

cm-update-file-name-ref attributes

cm-update-file-name-ref attributes

dest_name

Description bind dest name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

id

Description Specify unique Partition id

Type: number

source_name

Description bind source name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

3.71.4 system core

Get core dump

core Specification

Type	*operational*
Element Name	core
Element URI	/axapi/v3/system/core
Element Attributes	core_attributes
Operational Data URI	/axapi/v3/system/core/oper
Schema	`core schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/core

core attributes

core attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	status	number	status

3.71.5 system cosq-show

cosq-show Specification

Type	*operational*
Element Name	cosq-show
Element URI	/axapi/v3/system/cosq-show
Element Attributes	cosq-show_attributes
Operational Data URI	/axapi/v3/system/cosq-show/oper
Schema	`cosq-show schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/cosq-show

cosq-show attributes

cosq-show attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	pkt-percosq	number	pkt-percosq

3.71.6 system cpu-hyper-thread

Cpu Hyperthreading

cpu-hyper-thread Specification

Type	*operational*
Element Name	cpu-hyper-thread
Element URI	/axapi/v3/system/cpu-hyper-thread
Element Attributes	cpu-hyper-thread_attributes
Schema	`cpu-hyper-thread schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/cpu-hyper-thread

cpu-hyper-thread attributes

cpu-hyper-thread attributes

disable

Description Disable CPU Hyperthreading

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable CPU Hyperthreading

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.7 system cpu-list

Bare-Metal cpu list

cpu-list Specification

Type	*operational*
Element Name	cpu-list
Element URI	/axapi/v3/system/cpu-list
Element Attributes	cpu-list_attributes
Operational Data URI	/axapi/v3/system/cpu-list/oper
Schema	`cpu-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/cpu-list

cpu-list attributes

cpu-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	system-cpu-list		system-cpu-list

3.71.8 system cpu-map

Bare-Metal cpu map

cpu-map Specification

Type	*operational*
Element Name	cpu-map
Element URI	/axapi/v3/system/cpu-map
Element Attributes	cpu-map_attributes
Operational Data URI	/axapi/v3/system/cpu-map/oper
Schema	`cpu-map schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/cpu-map

cpu-map attributes

cpu-map attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	system-cpu-map		system-cpu-map

3.71.9 system deep-hrxq

Enable or disable FPGA Deep HRXQ deepth settings

deep-hrxq Specification

Type	*operational*
Element Name	deep-hrxq
Element URI	/axapi/v3/system/deep-hrxq
Element Attributes	deep-hrxq_attributes
Schema	`deep-hrxq schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/deep-hrxq

deep-hrxq attributes

deep-hrxq attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.10 system del-port

Add port to Black list

del-port Specification

Type	*operational*
Element Name	del-port
Element URI	/axapi/v3/system/del-port
Element Attributes	del-port_attributes
Schema	`del-port schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/del-port

del-port attributes

del-port attributes

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

3.71.11 system delete-cpu-core

delete CPU cores

delete-cpu-core Specification

Type	*operational*
Element Name	delete-cpu-core
Element URI	/axapi/v3/system/delete-cpu-core
Element Attributes	delete-cpu-core_attributes
Schema	`delete-cpu-core schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/delete-cpu-core

delete-cpu-core attributes

delete-cpu-core attributes

core-index

Description core index to be deleted (Specify core index)

Type: number

Range: 0-128

3.71.12 system environment

environment Specification

Type	*operational*
Element Name	environment
Element URI	/axapi/v3/system/environment
Element Attributes	environment_attributes
Operational Data URI	/axapi/v3/system/environment/oper
Schema	`environment schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/environment

environment attributes

environment attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	fan4a-value	number	fan4a-value
	physical-temperature2	string	physical-temperature2
	fan3a-report	string	fan3a-report
	fan6a-value	number	fan6a-value
	fan2b-value	number	fan2b-value
	fan3a-value	number	fan3a-value
	power-unit3	string	power-unit3
	power-unit2	string	power-unit2
	fan8a-report	string	fan8a-report
	voltage-label-17	string	voltage-label-17
	voltage-label-16	string	voltage-label-16
	voltage-label-15	string	voltage-label-15
	voltage-label-14	string	voltage-label-14
	voltage-label-13	string	voltage-label-13
	voltage-label-12	string	voltage-label-12
	voltage-label-11	string	voltage-label-11
	voltage-label-10	string	voltage-label-10
	fan7b-value	number	fan7b-value
	fan6b-report	string	fan6b-report

continues on next page

Table 3.7 – continued from previous page

	Counter	Size	Description
	power-unit4	string	power-unit4
	voltage-label-3	string	voltage-label-3
	physical-temperature	string	physical-temperature
	fan9a-value	number	fan9a-value
	voltage-label-2	string	voltage-label-2
	fan2a-value	number	fan2a-value
	fan5a-report	string	fan5a-report
	fan8b-report	string	fan8b-report
	power-unit1	string	power-unit1
	fan2a-report	string	fan2a-report
	fan6b-value	number	fan6b-value
	fan7a-value	number	fan7a-value
	fan5b-report	string	fan5b-report
	fan5a-value	number	fan5a-value
	fan10b-report	string	fan10b-report
	voltage-label-8	string	voltage-label-8
	fan5b-value	number	fan5b-value
	fan7b-report	string	fan7b-report
	fan1b-value	number	fan1b-value
	voltage-label-4	string	voltage-label-4
	fan9b-report	string	fan9b-report
	fan8a-value	number	fan8a-value
	fan1b-report	string	fan1b-report
	fan7a-report	string	fan7a-report
	fan10b-value	number	fan10b-value
	fan4b-value	number	fan4b-value
	fan1a-value	number	fan1a-value
	fan10a-report	string	fan10a-report
	cpu0-temperature	string	cpu0-temperature
	fan8b-value	number	fan8b-value
	fan2b-report	string	fan2b-report
	fan4b-report	string	fan4b-report
	fan9b-value	number	fan9b-value
	fan9a-report	string	fan9a-report
	fan10a-value	number	fan10a-value
	voltage-label-1	string	voltage-label-1
	voltage-label-7	string	voltage-label-7
	voltage-label-6	string	voltage-label-6

continues on next page

Table 3.7 – continued from previous page

	Counter	Size	Description
	voltage-label-5	string	voltage-label-5
	fan6a-report	string	fan6a-report
	fan1a-report	string	fan1a-report
	fan4a-report	string	fan4a-report
	cpu1-temperature	string	cpu1-temperature
	fan3b-report	string	fan3b-report
	voltage-label-9	string	voltage-label-9
	fan3b-value	number	fan3b-value

3.71.13 system geoloc

geoloc Specification

Type	*operational*
Element Name	geoloc
Element URI	/axapi/v3/system/geoloc
Element Attributes	geoloc_attributes
Statistics Data URI	/axapi/v3/system/geoloc/stats
Operational Data URI	/axapi/v3/system/geoloc/oper
Schema	`geoloc schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/geoloc

geoloc attributes

geoloc attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'place-holder': place-holder;

Type: string

Supported Values: all, place-holder

operational data

	Counter	Size	Description
	ipv6rangestrt	ipv6-address	ipv6rangestrt
	pol-name	string	pol-name
	total-geolocs	number	total-geolocs
	iprangestrt	ipv4-address	iprangestrt
	filter4	enum	Output contains one of the following values: - ip, ipv6, ipstat, ipv6stat
	depth	number	depth
	iprangeend	ipv4-address	iprangeend
	filter1	enum	Output contains one of the following values: - directory, statistics, global
	filter3	enum	Output contains one of the following values: - directory, statistics, global
	filter2	enum	Output contains one of the following values: - directory, statistics, global
	geo-name	string	geo-name
	geoloc-list		geoloc-list

3.71.14 system geolocation-file

Geolocation File

geolocation-file Specification

Type	*operational*
Element Name	geolocation-file
Element URI	/axapi/v3/system/geolocation-file
Element Attributes	geolocation-file_attributes
Operational Data URI	/axapi/v3/system/geolocation-file/oper
Schema	`geolocation-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/geolocation-file

geolocation-file attributes

geolocation-file attributes

error-info

Description: error-info is a **JSON Block**. Please see below for *error-info*

Type: Object

Refernce Object: */axapi/v3/system/geolocation-file/error-info*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

error-info

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	geofiles		geofiles

3.71.15 system geolocation-file error-info

Geolocation File Error Information

error-info Specification

Type	*operational*
Element Name	error-info
Element URI	/axapi/v3/system/geolocation-file/error-info
Element Attributes	error-info_attributes
Operational Data URI	/axapi/v3/system/geolocation-file/error-info/oper
Schema	`error-info schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/geolocation-file/error-info

error-info attributes

error-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	error-list		error-list
	filename	string	filename

3.71.16 system guest-file

list guest files

guest-file Specification

Type	*operational*
Element Name	guest-file
Element URI	/axapi/v3/system/guest-file
Element Attributes	guest-file_attributes
Operational Data URI	/axapi/v3/system/guest-file/oper
Schema	`guest-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/guest-file

guest-file attributes

guest-file attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	file-list		file-list

3.71.17 system gui-image-list

Get Gui Image List

gui-image-list Specification

Type	*operational*
Element Name	gui-image-list
Element URI	/axapi/v3/system/gui-image-list
Element Attributes	gui-image-list_attributes
Operational Data URI	/axapi/v3/system/gui-image-list/oper
Schema	`gui-image-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/gui-image-list

gui-image-list attributes

gui-image-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	gui-list-pri		gui-list-pri
	pre-sec-gui	string	pre-sec-gui
	pre-pri-gui	string	pre-pri-gui
	gui-list-sec		gui-list-sec

3.71.18 system hardware

hardware Specification

Type	*operational*
Element Name	hardware
Element URI	/axapi/v3/system/hardware
Element Attributes	hardware_attributes
Operational Data URI	/axapi/v3/system/hardware/oper
Schema	`hardware schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/hardware

hardware attributes

hardware attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	disk2-status	string	disk2-status
	psu2_np15	string	psu2_np15
	disk-percentage	number	disk-percentage
	ssl-cards		ssl-cards
	serial	string	serial
	cpu-stepping	number	cpu-stepping
	disk1-status	string	disk1-status
	mcpld-type	number	mcpld-type
	storage	string	storage
	bypass-pr	number	bypass-pr
	psu1_np15	string	psu1_np15
	memory	string	memory
	spe_present	string	spe_present
	num-disks	number	num-disks
	disk-used	number	disk-used
	ports	string	ports
	nvm-firmware-version	string	nvm-firmware-version
	ipmi	string	ipmi
	alldynamic	number	alldynamic
	raid_present	number	raid_present
	disk-free	number	disk-free
	platform-description	string	platform-description
	disk-total	number	disk-total
	mcpld-date	string	mcpld-date
	raid-list		raid-list
	bios-version	string	bios-version
	cpu-cores	number	cpu-cores
	l23-asic	string	l23-asic
	bios-release-date	string	bios-release-date
	fpga-summary	string	fpga-summary

continues on next page

Table 3.8 – continued from previous page

	Counter	Size	Description
	bypass-list		bypass-list
	cpu	string	cpu
	plat-flag	string	plat-flag
	fpga-date	string	fpga-date
	compression-cards		compression-cards
	octeon	number	octeon

3.71.19 system hardware-forward slb

slb Specification

Type	*operational*
Element Name	slb
Element URI	/axapi/v3/system/hardware-forward/slb
Element Attributes	slb_attributes
Statistics Data URI	/axapi/v3/system/hardware-forward/slb/stats
Schema	`slb schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/hardware-forward/slb

slb attributes

slb attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry-create': Hardware Entries Created; 'entry-create-failure': Hardware Entries Created; 'entry-create-fail-server-down': Hardware Entries Created; 'entry-create-fail-max-entry': Hardware Entries Created; 'entry-free': Hardware Entries Freed; 'entry-free-opp-entry': Hardware Entries Free due to opposite tuple entry ageout event; 'entry-free-no-hw-prog': Hardware Entry Free no hw prog; 'entry-free-no-conn': Hardware Entry Free no matched conn; 'entry-free-no-sw-entry': Hardware Entry Free no software entry; 'entry-counter': Hardware Entry Count; 'entry-age-out': Hardware Entries Aged Out; 'entry-age-out-idle': Hardware Entries Aged Out Idle; 'entry-age-out-tcp-fin': Hardware Entries Aged Out TCP FIN; 'entry-age-out-tcp-rst': Hardware Entries Aged Out TCP RST; 'entry-age-out-invalid-dst': Hardware Entries Aged Out invalid dst; 'entry-force-hw-invalidate': Hardware Entries Force HW Invalidate; 'entry-invalidate-server-down': Hardware Entries Invalidate due to server down; 'tcam-create': TCAM Entries Created; 'tcam-free': TCAM Entries Freed; 'tcam-counter': TCAM Entry Count;

Type: string

Supported Values: all, entry-create, entry-create-failure, entry-create-fail-server-down, entry-create-fail-max-entry, entry-free, entry-free-opp-entry, entry-free-no-hw-prog, entry-free-no-conn, entry-free-no-sw-entry, entry-counter, entry-age-out, entry-age-out-idle, entry-age-out-tcp-fin, entry-age-out-tcp-rst, entry-age-out-invalid-dst, entry-force-hw-invalidate, entry-invalidate-server-down, tcam-create, tcam-free, tcam-counter

stats data

	Counter	Size	Description
	entry-free	8	Hardware Entries Freed
	entry-create-fail-max-entry	8	Hardware Entries Created
	entry-create-failure	8	Hardware Entries Created
	entry-create	8	Hardware Entries Created
	tcam-free	8	TCAM Entries Freed
	entry-age-out	8	Hardware Entries Aged Out
	tcam-create	8	TCAM Entries Created
	entry-create-fail-server-down	8	Hardware Entries Created
	entry-age-out-idle	8	Hardware Entries Aged Out Idle
	entry-age-out-tcp-rst	8	Hardware Entries Aged Out TCP RST
	entry-invalidate-server-down	8	Hardware Entries Invalidate due to server down
	entry-free-no-sw-entry	8	Hardware Entry Free no software entry
	entry-counter	8	Hardware Entry Count
	entry-free-no-hw-prog	8	Hardware Entry Free no hw prog
	entry-free-opp-entry	8	Hardware Entries Free due to opposite tuple entry ageout event
	tcam-counter	8	TCAM Entry Count
	entry-age-out-invalid-dst	8	Hardware Entries Aged Out invalid dst
	entry-force-hw-invalidate	8	Hardware Entries Force HW Invalidate
	entry-free-no-conn	8	Hardware Entry Free no matched conn
	entry-age-out-tcp-fin	8	Hardware Entries Aged Out TCP FIN

3.71.20 system hrxq-status

hrxq-status Specification

Type	*operational*
Element Name	hrxq-status
Element URI	/axapi/v3/system/hrxq-status
Element Attributes	hrxq-status_attributes
Operational Data URI	/axapi/v3/system/hrxq-status/oper
Schema	`hrxq-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/hrxq-status

hrxq-status attributes

hrxq-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	deep-hrxq-enable	string	deep-hrxq-enable
	hrxq_num_chunks	number	hrxq_num_chunks

3.71.21 system inuse-cpu-list

Bare-Metal lb cpu list

inuse-cpu-list Specification

Type	*operational*
Element Name	inuse-cpu-list
Element URI	/axapi/v3/system/inuse-cpu-list
Element Attributes	inuse-cpu-list_attributes
Operational Data URI	/axapi/v3/system/inuse-cpu-list/oper
Schema	`inuse-cpu-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/inuse-cpu-list

inuse-cpu-list attributes

inuse-cpu-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	system-inuse-cpu-list		system-inuse-cpu-list

3.71.22 system inuse-port-list

Bare-Metal lb port list

inuse-port-list Specification

Type	*operational*
Element Name	inuse-port-list
Element URI	/axapi/v3/system/inuse-port-list
Element Attributes	inuse-port-list_attributes
Operational Data URI	/axapi/v3/system/inuse-port-list/oper
Schema	`inuse-port-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/inuse-port-list

inuse-port-list attributes

inuse-port-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	system-inuse-port-list		system-inuse-port-list

3.71.23 system io-cpu

IO CPU cores

io-cpu Specification

Type	*operational*
Element Name	io-cpu
Element URI	/axapi/v3/system/io-cpu
Element Attributes	io-cpu_attributes
Schema	`io-cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/io-cpu

io-cpu attributes

io-cpu attributes

max-cores

Description max number of IO cores (Specify number of cores)

Type: number

Range: 0-128

3.71.24 system ipmi

Perform IPMI related operations

ipmi Specification

Type	*operational*
Element Name	ipmi
Element URI	/axapi/v3/system/ipmi
Element Attributes	ipmi_attributes
Schema	`ipmi schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/ipmi

ipmi attributes

ipmi attributes

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Refernce Object: */axapi/v3/system/ipmi/ip*

ipsrc

Description: ipsrc is a **JSON Block**. Please see below for *ipsrc*

Type: Object

Refernce Object: */axapi/v3/system/ipmi/ipsrc*

reset

Description Reset IPMI Controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tool

Description: tool is a **JSON Block**. Please see below for *tool*

Type: Object

Refernce Object: */axapi/v3/system/ipmi/tool*

user

Description: user is a **JSON Block**. Please see below for *user*

Type: Object

Refernce Object: */axapi/v3/system/ipmi/user*

ip

Specification	
Type	*object*

default-gateway

Description Default gateway address

Type: string

Format: ipv4-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipsrc

Specification	
Type	*object*

dhcp

Description IP addr obtained by BMC running DHCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Manually configured static IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tool

Specification	
Type	*object*

cmd

Description Command to execute in double quotes

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

user

Specification	
Type	*object*

add

Description Add a new IPMI user (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

administrator

Description Full control

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

callback

Description Lowest privilege level

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable an existing IPMI user (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

newname

Description New IPMI User Name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

newpass

Description New Password

Type: string

Format: password

Maximum Length: 17 characters

Maximum Length: 1 characters

operator

Description Most BMC commands are allowed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Password

Type: string

Format: password

Maximum Length: 17 characters

Maximum Length: 1 characters

privilege

Description Change an existing IPMI user privilege (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

setname

Description Change User Name (Current IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

setpass

Description Change Password (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

user

Description Only 'benign' commands are allowed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.25 system ipmi ip

Set IP address for IPMI interface

ip Specification

Type	*operational*
Element Name	ip
Element URI	/axapi/v3/system/ipmi/ip
Element Attributes	ip_attributes
Schema	`ip schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/ipmi/ip

ip attributes

ip attributes

default-gateway

Description Default gateway address

Type: string

Format: ipv4-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

3.71.26 system ipmi ipsrc

Source of IP Address

ipsrc Specification

Type	*operational*
Element Name	ipsrc
Element URI	/axapi/v3/system/ipmi/ipsrc
Element Attributes	ipsrc_attributes
Schema	`ipsrc schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/ipmi/ipsrc

ipsrc attributes

ipsrc attributes

dhcp

Description IP addr obtained by BMC running DHCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Manually configured static IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.27 system ipmi tool

Command to execute in double quotes

tool Specification

Type	*operational*
Element Name	tool
Element URI	/axapi/v3/system/ipmi/tool
Element Attributes	tool_attributes
Schema	`tool schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/ipmi/tool

tool attributes

tool attributes

cmd

Description Command to execute in double quotes

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

3.71.28 system ipmi user

Add, Change or Disable IPMI users

user Specification

Type	*operational*
Element Name	user
Element URI	/axapi/v3/system/ipmi/user
Element Attributes	user_attributes
Schema	`user schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/ipmi/user

user attributes

user attributes

add

Description Add a new IPMI user (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

administrator

Description Full control

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

callback

Description Lowest privilege level

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable an existing IPMI user (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

newname

Description New IPMI User Name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

newpass

Description New Password

Type: string

Format: password

Maximum Length: 17 characters

Maximum Length: 1 characters

operator

Description Most BMC commands are allowed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Password

Type: string

Format: password

Maximum Length: 17 characters

Maximum Length: 1 characters

privilege

Description Change an existing IPMI user privilege (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

setname

Description Change User Name (Current IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

setpass

Description Change Password (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

user

Description Only 'benign' commands are allowed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.29 system ipsec fpga-decrypt

Enable or disable FPGA decryption offload

fpga-decrypt Specification

Type	*operational*
Element Name	fpga-decrypt
Element URI	/axapi/v3/system/ipsec/fpga-decrypt
Element Attributes	fpga-decrypt_attributes
Schema	`fpga-decrypt schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/ipsec/fpga-decrypt

fpga-decrypt attributes

fpga-decrypt attributes

action

Description 'enable': Enable FPGA decryption offload; 'disable': Disable FPGA decryption offload;

Type: string

Supported Values: enable, disable

Default: disable

3.71.30 system link-monitor

Link Monitoring

link-monitor Specification

Type	*operational*
Element Name	link-monitor
Element URI	/axapi/v3/system/link-monitor
Element Attributes	link-monitor_attributes
Schema	`link-monitor schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/link-monitor

link-monitor attributes

link-monitor attributes

disable

Description Disable Link Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable Link Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.31 system lro

Large Receive Offload

lro Specification

Type	*operational*
Element Name	lro
Element URI	/axapi/v3/system/lro
Element Attributes	lro_attributes
Schema	`lro schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/lro

lro attributes

lro attributes

disable

Description Disable Large Receive Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable Large Receive Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.32 system management-interface-mode

Configure management interface mode

management-interface-mode Specification

Type	*operational*
Element Name	management-interface-mode
Element URI	/axapi/v3/system/management-interface-mode
Element Attributes	management-interface-mode_attributes
Schema	`management-interface-mode schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/management-interface-mode

management-interface-mode attributes

management-interface-mode attributes

dedicated

Description Set management interface in dedicated mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-dedicated

Description Set management interface in non-dedicated mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.33 system mfa-auth

MFA authentication API

mfa-auth Specification

Type	*operational*
Element Name	mfa-auth
Element URI	/axapi/v3/system/mfa-auth
Element Attributes	mfa-auth_attributes
Schema	`mfa-auth schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/mfa-auth

mfa-auth attributes

mfa-auth attributes

second-factor

Description Input second factor paramter

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

username

Description Username for MFA validation

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

3.71.34 system mgmt-port

set management port

mgmt-port Specification

Type	*operational*
Element Name	mgmt-port
Element URI	/axapi/v3/system/mgmt-port
Element Attributes	mgmt-port_attributes
Schema	`mgmt-port schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/mgmt-port

mgmt-port attributes

mgmt-port attributes

mac-address

Description mac-address to be configured as mgmt port

Type: string

Format: mac-address

Maximum Length: 14 characters

Maximum Length: 14 characters

pci-address

Description pci-address to be configured as mgmt port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

3.71.35 system modify-port

Change port number

modify-port Specification

Type	*operational*
Element Name	modify-port
Element URI	/axapi/v3/system/modify-port
Element Attributes	modify-port_attributes
Schema	`modify-port schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/modify-port

modify-port attributes

modify-port attributes

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

port-number

Description port number to be configured (Specify port number)

Type: number

Range: 1-32

3.71.36 system multi-queue-support

To Enable/disable Multi-Queue-Support

multi-queue-support Specification

Type	*operational*
Element Name	multi-queue-support
Element URI	/axapi/v3/system/multi-queue-support
Element Attributes	multi-queue-support_attributes
Schema	`multi-queue-support schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/multi-queue-support

multi-queue-support attributes

multi-queue-support attributes

enable

Description Enable Multi-Queue-Support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.37 system platformtype

platformtype Specification

Type	*operational*
Element Name	platformtype
Element URI	/axapi/v3/system/platformtype
Element Attributes	platformtype_attributes
Operational Data URI	/axapi/v3/system/platformtype/oper
Schema	`platformtype schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/platformtype

platformtype attributes

platformtype attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	platform-lxc	number	platform-lxc
	platform-dpdk	number	platform-dpdk
	platform-info	string	platform-info
	platform-axv	number	platform-axv
	platform-type	string	platform-type
	platform-id	number	platform-id

3.71.38 system port-info

Bare-Metal port info

port-info Specification

Type	*operational*
Element Name	port-info
Element URI	/axapi/v3/system/port-info
Element Attributes	port-info_attributes
Operational Data URI	/axapi/v3/system/port-info/oper
Schema	`port-info schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/port-info

port-info attributes

port-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	system-port-info		system-port-info

3.71.39 system port-list

Bare-Metal port list

port-list Specification

Type	*operational*
Element Name	port-list
Element URI	/axapi/v3/system/port-list
Element Attributes	port-list_attributes
Operational Data URI	/axapi/v3/system/port-list/oper
Schema	`port-list schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/port-list

port-list attributes

port-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	system-port-list		system-port-list

3.71.40 system psu-info

Display system PSU information like SerialNumber

psu-info Specification

Type	*operational*
Element Name	psu-info
Element URI	/axapi/v3/system/psu-info
Element Attributes	psu-info_attributes
Operational Data URI	/axapi/v3/system/psu-info/oper
Schema	`psu-info schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/psu-info

psu-info attributes

psu-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	psu-info		psu-info

3.71.41 system reboot

reboot Specification

Type	*operational*
Element Name	reboot
Element URI	/axapi/v3/system/reboot
Element Attributes	reboot_attributes
Operational Data URI	/axapi/v3/system/reboot/oper
Schema	`reboot schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/reboot

reboot attributes

reboot attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	hostname	string	hostname
	hour	string	hour
	uname	string	uname
	boot-now	number	boot-now
	epoch-time	string	epoch-time
	reason	string-rlx	reason
	boot-scheduled	number	boot-scheduled
	min	string	min

3.71.42 system set-rxtx-desc-size

Set the number of Descriptor size per queue

set-rxtx-desc-size Specification

Type	*operational*
Element Name	set-rxtx-desc-size
Element URI	/axapi/v3/system/set-rxtx-desc-size
Element Attributes	set-rxtx-desc-size_attributes
Schema	`set-rxtx-desc-size schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/set-rxtx-desc-size

set-rxtx-desc-size attributes

set-rxtx-desc-size attributes

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

rxd-size

Description Set new rx-descriptor size

Type: number

Range: 0-65536

txd-size

Description Set new tx-descriptor size

Type: number

Range: 0-65536

3.71.43 system set-rxtx-queue

Set the number of Queues per port

set-rxtx-queue Specification

Type	*operational*
Element Name	set-rxtx-queue
Element URI	/axapi/v3/system/set-rxtx-queue
Element Attributes	set-rxtx-queue_attributes
Schema	`set-rxtx-queue schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/set-rxtx-queue

set-rxtx-queue attributes

set-rxtx-queue attributes

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

rxq-size

Description Set number of new rx queues

Type: number

Range: 0-1024

txq-size

Description Set number of new tx queues

Type: number

Range: 0-1024

3.71.44 system shared-poll-mode

Configure shared poll mode

shared-poll-mode Specification

Type	*operational*
Element Name	shared-poll-mode
Element URI	/axapi/v3/system/shared-poll-mode
Element Attributes	shared-poll-mode_attributes
Schema	`shared-poll-mode schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/shared-poll-mode

shared-poll-mode attributes

shared-poll-mode attributes

disable

Description Disable shared poll mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable shared poll mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.45 system shutdown

shutdown Specification

Type	*operational*
Element Name	shutdown
Element URI	/axapi/v3/system/shutdown
Element Attributes	shutdown_attributes
Operational Data URI	/axapi/v3/system/shutdown/oper
Schema	`shutdown schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/shutdown

shutdown attributes

shutdown attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	hostname	string	hostname
	hour	string	hour
	uname	string	uname
	boot-now	number	boot-now
	epoch-time	string	epoch-time
	reason	string-rlx	reason
	boot-scheduled	number	boot-scheduled
	min	string	min

3.71.46 system spe-profile

Set Security Policy Engine Profile

spe-profile Specification

Type	*operational*
Element Name	spe-profile
Element URI	/axapi/v3/system/spe-profile
Element Attributes	spe-profile_attributes
Schema	`spe-profile schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/spe-profile

spe-profile attributes

spe-profile attributes

action

Description 'ipv4-only': Enable IPv4 HW forward entries only; 'ipv6-only': Enable IPv6 HW forward entries only; 'ipv4-ipv6': Enable Both IPv4/IPv6 HW forward entries (shared);

Type: string

Supported Values: ipv4-only, ipv6-only, ipv4-ipv6

Default: ipv4-ipv6

3.71.47 system spe-status

spe-status Specification

Type	*operational*
Element Name	spe-status
Element URI	/axapi/v3/system/spe-status
Element Attributes	spe-status_attributes
Operational Data URI	/axapi/v3/system/spe-status/oper
Schema	`spe-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/spe-status

spe-status attributes

spe-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ipv4_allowed	number	ipv4_allowed
	spe-profile	string	spe-profile
	enable	string	enable
	ipv6_allowed	number	ipv6_allowed
	spe-setup-status	string	spe-setup-status

3.71.48 system ssl-status

ssl-status Specification

Type	*operational*
Element Name	ssl-status
Element URI	/axapi/v3/system/ssl-status
Element Attributes	ssl-status_attributes
Operational Data URI	/axapi/v3/system/ssl-status/oper
Schema	`ssl-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/ssl-status

ssl-status attributes

ssl-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	num_aes	number	num_aes
	enable	string	enable
	crypto-support	string	crypto-support
	ssl-setup-status	string	ssl-setup-status
	num_chip	number	num_chip

3.71.49 system syslog-time-msec

Enable syslog timestamp in millisecond

syslog-time-msec Specification

Type	*operational*
Element Name	syslog-time-msec
Element URI	/axapi/v3/system/syslog-time-msec
Element Attributes	syslog-time-msec_attributes
Schema	`syslog-time-msec schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/syslog-time-msec

syslog-time-msec attributes

syslog-time-msec attributes

enable-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.50 system tso

TCP Segmentation Offload

tso Specification

Type	*operational*
Element Name	tso
Element URI	/axapi/v3/system/tso
Element Attributes	tso_attributes
Schema	`tso schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/tso

tso attributes

tso attributes

disable

Description Disable TCP Segmentation Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable TCP Segmentation Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.71.51 system upgrade-status

Get upgrading status

upgrade-status Specification

Type	*operational*
Element Name	upgrade-status
Element URI	/axapi/v3/system/upgrade-status
Element Attributes	upgrade-status_attributes
Operational Data URI	/axapi/v3/system/upgrade-status/oper
Schema	`upgrade-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system/upgrade-status

upgrade-status attributes

upgrade-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	status	number	status
	rollback-sec	string	rollback-sec
	message	string	message
	rollback-pri	string	rollback-pri

3.72 system-big-buff-pool

Objects:

3.72.1 system-big-buff-pool

System big buff pool config

system-big-buff-pool Specification

Type	*operational*
Element Name	system-big-buff-pool
Element URI	/axapi/v3/system-big-buff-pool
Element Attributes	system-big-buff-pool_attributes
Schema	`system-big-buff-pool schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-big-buff-pool

system-big-buff-pool attributes

system-big-buff-pool attributes

big-buff-pool

Description Configure big I/O buffer pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.73 system-cpu

Objects:

3.73.1 system-cpu

System CPU usage

system-cpu Specification

Type	*Intermediate Resource*
Element Name	system-cpu
Element URI	/axapi/v3/system-cpu
Element Attributes	system-cpu_attributes
Schema	`system-cpu schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system-cpu

system-cpu_attributes

system-cpu attributes

ctrl-cpu

Description: ctrl-cpu is a **JSON Block**. Please see below for *ctrl-cpu*

Type: Object

Refernce Object: */axapi/v3/system-cpu/ctrl-cpu*

data-cpu

Description: data-cpu is a **JSON Block**. Please see below for *data-cpu*

Type: Object

Refernce Object: */axapi/v3/system-cpu/data-cpu*

data-cpu-overall

Description: data-cpu-overall is a **JSON Block**. Please see below for *data-cpu-overall*

Type: Object

Refernce Object: */axapi/v3/system-cpu/data-cpu-overall*

vport-data-cpu

Description: vport-data-cpu is a **JSON Block**. Please see below for *vport-data-cpu*

Type: Object

Refernce Object: */axapi/v3/system-cpu/vport-data-cpu*

vserver-data-cpu

Description: vserver-data-cpu is a **JSON Block**. Please see below for *vserver-data-cpu*

Type: Object

Refernce Object: */axapi/v3/system-cpu/vserver-data-cpu*

data-cpu-overall

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vserver-data-cpu

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

data-cpu

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ctrl-cpu

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vport-data-cpu

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.73.2 system-cpu ctrl-cpu

Control CPU usage

ctrl-cpu Specification

Type	*operational*
Element Name	ctrl-cpu
Element URI	/axapi/v3/system-cpu/ctrl-cpu
Element Attributes	ctrl-cpu_attributes
Operational Data URI	/axapi/v3/system-cpu/ctrl-cpu/oper
Schema	`ctrl-cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-cpu/ctrl-cpu

ctrl-cpu attributes

ctrl-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	cpu-usage		cpu-usage
	number-of-cpu	number	number-of-cpu
	current-time	string	current-time

3.73.3 system-cpu data-cpu

Data CPU usage

data-cpu Specification

Type	*operational*
Element Name	data-cpu
Element URI	/axapi/v3/system-cpu/data-cpu
Element Attributes	data-cpu_attributes
Operational Data URI	/axapi/v3/system-cpu/data-cpu/oper
Schema	`data-cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-cpu/data-cpu

data-cpu attributes

data-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	number-of-data-cpu	number	number-of-data-cpu
	number-of-cpu	number	number-of-cpu
	cpu-usage		cpu-usage

3.73.4 system-cpu data-cpu-overall

Overall Data CPU usage

data-cpu-overall Specification

Type	*operational*
Element Name	data-cpu-overall
Element URI	/axapi/v3/system-cpu/data-cpu-overall
Element Attributes	data-cpu-overall_attributes
Operational Data URI	/axapi/v3/system-cpu/data-cpu-overall/oper
Schema	`data-cpu-overall schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-cpu/data-cpu-overall

data-cpu-overall attributes

data-cpu-overall attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	number-of-data-cpu	number	number-of-data-cpu
	number-of-cpu	number	number-of-cpu
	cpu-usage		cpu-usage

3.73.5 system-cpu vport-data-cpu

Data CPU usage

vport-data-cpu Specification

Type	*operational*
Element Name	vport-data-cpu
Element URI	/axapi/v3/system-cpu/vport-data-cpu
Element Attributes	vport-data-cpu_attributes
Operational Data URI	/axapi/v3/system-cpu/vport-data-cpu/oper
Schema	`vport-data-cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-cpu/vport-data-cpu

vport-data-cpu attributes

vport-data-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	vport-cpu-usage		vport-cpu-usage

3.73.6 system-cpu vserver-data-cpu

Data CPU usage

vserver-data-cpu Specification

Type	*operational*
Element Name	vserver-data-cpu
Element URI	/axapi/v3/system-cpu/vserver-data-cpu
Element Attributes	vserver-data-cpu_attributes
Operational Data URI	/axapi/v3/system-cpu/vserver-data-cpu/oper
Schema	`vserver-data-cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-cpu/vserver-data-cpu

vserver-data-cpu attributes

vserver-data-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	vserver-cpu-usage		vserver-cpu-usage

3.74 system-reset

Objects:

3.74.1 system-reset

Reset system to the default configuration

system-reset Specification

Type	*operational*
Element Name	system-reset
Element URI	/axapi/v3/system-reset
Element Attributes	system-reset_attributes
Schema	`system-reset schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-reset

system-reset attributes

system-reset attributes

reboot-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.75 system-view

Objects:

3.75.1 system-view hardware-view

hardware-view Specification

Type	*operational*
Element Name	hardware-view
Element URI	/axapi/v3/system-view/hardware-view
Element Attributes	hardware-view_attributes
Operational Data URI	/axapi/v3/system-view/hardware-view/oper
Schema	`hardware-view schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-view/hardware-view

hardware-view attributes

hardware-view attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	disk2-status	string	disk2-status
	psu2_np15	string	psu2_np15
	disk-percentage	number	disk-percentage
	ssl-cards		ssl-cards
	serial	string	serial
	cpu-stepping	number	cpu-stepping
	disk1-status	string	disk1-status
	mcpld-type	number	mcpld-type
	storage	string	storage
	bypass-pr	number	bypass-pr
	psu1_np15	string	psu1_np15
	memory	string	memory
	spe_present	string	spe_present
	num-disks	number	num-disks
	disk-used	number	disk-used
	ports	string	ports
	ipmi	string	ipmi
	alldynamic	number	alldynamic
	raid_present	number	raid_present
	disk-free	number	disk-free
	nvm-firmware-versoin	string	nvm-firmware-versoin
	platform-description	string	platform-description
	disk-total	number	disk-total
	mcpld-date	string	mcpld-date
	raid-list		raid-list
	bios-version	string	bios-version
	cpu-cores	number	cpu-cores
	l23-asic	string	l23-asic
	bios-release-date	string	bios-release-date
	fpga-summary	string	fpga-summary
	bypass-list		bypass-list
	cpu	string	cpu
	plat-flag	string	plat-flag
	fpga-date	string	fpga-date
	compression-cards		compression-cards
	octeon	number	octeon

3.75.2 system-view hotfix

Get hotfix info

hotfix Specification

Type	*operational*
Element Name	hotfix
Element URI	/axapi/v3/system-view/hotfix
Element Attributes	hotfix_attributes
Operational Data URI	/axapi/v3/system-view/hotfix/oper
Schema	`hotfix schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-view/hotfix

hotfix attributes

hotfix attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	applied	string	applied
	copied	string	copied

3.75.3 system-view show-backup

Display backup information

show-backup Specification

Type	*operational*
Element Name	show-backup
Element URI	/axapi/v3/system-view/show-backup
Element Attributes	show-backup_attributes
Operational Data URI	/axapi/v3/system-view/show-backup/oper
Schema	`show-backup schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-view/show-backup

show-backup attributes

show-backup attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	backup-show-2	string	backup-show-2
	backup-show-3	string	backup-show-3
	backup-show-1	string	backup-show-1

3.75.4 system-view show-monitor

Show monitor threshold configuration

show-monitor Specification

Type	*operational*
Element Name	show-monitor
Element URI	/axapi/v3/system-view/show-monitor
Element Attributes	show-monitor_attributes
Operational Data URI	/axapi/v3/system-view/show-monitor/oper
Schema	`show-monitor schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-view/show-monitor

show-monitor attributes

show-monitor attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	data-cpu	number	data-cpu
	buff-drop	number	buff-drop
	mem-value	number	mem-value
	smp1	number	smp1
	ctrl-cpu	number	ctrl-cpu
	smp2	number	smp2
	warn-temp	number	warn-temp
	smp0	number	smp0
	disk-value	number	disk-value
	spm4	number	spm4
	smp3	number	smp3
	spm2	number	spm2
	buff-value	number	buff-value
	spm0	number	spm0
	spm1	number	spm1
	smp4	number	smp4
	spm3	number	spm3

3.75.5 system-view show-process

Display backup information

show-process Specification

Type	*operational*
Element Name	show-process
Element URI	/axapi/v3/system-view/show-process
Element Attributes	show-process_attributes
Operational Data URI	/axapi/v3/system-view/show-process/oper
Schema	`show-process schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/system-view/show-process

show-process attributes

show-process attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	proc-info		proc-info

3.76 threat-intel

Objects:

3.76.1 threat-intel webroot-log

webroot log information

webroot-log Specification

Type	*operational*
Element Name	webroot-log
Element URI	/axapi/v3/threat-intel/webroot-log
Element Attributes	webroot-log_attributes
Operational Data URI	/axapi/v3/threat-intel/webroot-log/oper
Schema	`webroot-log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/threat-intel/webroot-log

webroot-log attributes

webroot-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	webroot-log-over	number	webroot-log-over
	from-start	flag	from-start
	follow	flag	follow
	webroot-log-offset	number	webroot-log-offset
	webroot-log-list		webroot-log-list
	num-lines	number	num-lines

3.77 upgrade

Objects:

3.77.1 upgrade

Upgrade System

upgrade Specification

Type	*operational*
Element Name	upgrade
Element URI	/axapi/v3/upgrade
Element Attributes	upgrade_attributes
Schema	`upgrade schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/upgrade

upgrade attributes

upgrade attributes

cf

Description: cf is a **JSON Block**. Please see below for *cf*

Type: Object

Refernce Object: */axapi/v3/upgrade/cf*

gui

Description: gui is a **JSON Block**. Please see below for *gui*

Type: Object

Refernce Object: */axapi/v3/upgrade/gui*

hd

Description: hd is a **JSON Block**. Please see below for *hd*

Type: Object

Refernce Object: */axapi/v3/upgrade/hd*

gui

Specification	
Type	*object*

delete

Description Delete one local GUI image

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

file-url

Description File URL

Type: string

Format: url

Mutual Exclusion: file-urllocal, rollback, file-url and image-file are mutually exclusive

gui-upload

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

image

Description 'pri': Primary image; 'sec': Secondary image;

Type: string

Supported Values: pri, sec

image-file

Description

Type: string

Format: string-rlx

Mutual Exclusion: image-filelocal, rollback and file-url are mutually exclusive

local

Description Local GUI image name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: local file-url and image-file are mutually exclusive

remote-url

Description

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

rollback

Description Rollback to a specific local GUI image

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: rollbackuse-mgmt-port, source-ip-address, show-percentage, save-gui, upload, file-url and image-file are mutually exclusive

source-ip-address

Description Source IP address

Type: string

Format: ipv4-address

Mutual Exclusion: source-ip-address rollback and use-mgmt-port are mutually exclusive

upload

Description Upload GUI image from remote

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: upload and rollback are mutually exclusive

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port rollback and source-ip-address are mutually exclusive

cf

Specification	
Type	*object*

Device

Description

Type: number

file-url

Description File URL

Type: string

Format: url

Mutual Exclusion: file-url local and image-file are mutually exclusive

image

Description 'pri': Primary image;

Type: string

Supported Values: pri

image-file

Description

Type: string

Format: string-rlx

Mutual Exclusion: image-file local and file-url are mutually exclusive

local

Description Use image from local VCS image repository (Specify an image name, format: aximage_XX_XX_XX_XX.tar.gz)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: localuse-mgmt-port, show-percentage, file-url and image-file are mutually exclusive

reboot-after-upgrade

Description reboot system after upgrade is done

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

staggered-upgrade-mode

Description in staggered upgrade mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and local are mutually exclusive

hd

Specification	
Type	*object*

Device

Description

Type: number

file-url

Description File URL

Type: string

Format: url

Mutual Exclusion: file-urllocal, rollback and image-file are mutually exclusive

image

Description 'pri': Primary image; 'sec': Secondary image;

Type: string

Supported Values: pri, sec

image-file

Description

Type: string

Format: string-rlx

Mutual Exclusion: image-filelocal, rollback and file-url are mutually exclusive

local

Description Use image from local VCS image repository (Specify an image name, format: aximage_XX_XX_XX_XX.tar.gz)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: localuse-mgmt-port, source-ip-address, show-percentage, file-url and image-file are mutually exclusive

reboot-after-upgrade

Description reboot system after upgrade is done

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rollback

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rollbackuse-mgmt-port, source-ip-address, show-percentage, file-url and image-file are mutually exclusive

source-ip-address

Description Source ip address

Type: string

Format: ipv4-address

Mutual Exclusion: source-ip-addresslocal, rollback and use-mgmt-port are mutually exclusive

staggered-upgrade-mode

Description in staggered upgrade mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-portlocal, rollback and source-ip-address are mutually exclusive

3.77.2 upgrade cf

Compact flash

cf Specification

Type	*operational*
Element Name	cf
Element URI	/axapi/v3/upgrade/cf
Element Attributes	cf_attributes
Schema	`cf schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/upgrade/cf

cf attributes

cf attributes

Device

Description

Type: number

file-url

Description File URL

Type: string

Format: url

Mutual Exclusion: file-url local and image-file are mutually exclusive

image

Description 'pri': Primary image;

Type: string

Supported Values: pri

image-file

Description

Type: string

Format: string-rlx

Mutual Exclusion: image-file local and file-url are mutually exclusive

local

Description Use image from local VCS image repository (Specify an image name, format: aximage_XX_XX_XX_XX.tar.gz)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: localuse-mgmt-port, show-percentage, file-url and image-file are mutually exclusive

reboot-after-upgrade

Description reboot system after upgrade is done

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

staggered-upgrade-mode

Description in staggered upgrade mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and local are mutually exclusive

3.77.3 upgrade gui

Upgrade or Rollback GUI

gui Specification

Type	*operational*
Element Name	gui
Element URI	/axapi/v3/upgrade/gui
Element Attributes	gui_attributes
Schema	`gui schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/upgrade/gui

gui attributes

gui attributes

delete

Description Delete one local GUI image

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

file-url

Description File URL

Type: string

Format: url

Mutual Exclusion: file-urllocal, rollback, file-url and image-file are mutually exclusive

gui-upload

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

image

Description 'pri': Primary image; 'sec': Secondary image;

Type: string

Supported Values: pri, sec

image-file

Description

Type: string

Format: string-rlx

Mutual Exclusion: image-filelocal, rollback and file-url are mutually exclusive

local

Description Local GUI image name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: local file-url and image-file are mutually exclusive

remote-url

Description

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

rollback

Description Rollback to a specific local GUI image

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: rollbackuse-mgmt-port, source-ip-address, show-percentage, save-gui, upload, file-url and image-file are mutually exclusive

source-ip-address

Description Source IP address

Type: string

Format: ipv4-address

Mutual Exclusion: source-ip-address rollback and use-mgmt-port are mutually exclusive

upload

Description Upload GUI image from remote

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: upload and rollback are mutually exclusive

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port rollback and source-ip-address are mutually exclusive

3.77.4 upgrade hd

Hard Disk

hd Specification

Type	*operational*
Element Name	hd
Element URI	/axapi/v3/upgrade/hd
Element Attributes	hd_attributes
Schema	`hd schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/upgrade/hd

hd attributes

hd attributes

Device

Description

Type: number

file-url

Description File URL

Type: string

Format: url

Mutual Exclusion: file-urllocal, rollback and image-file are mutually exclusive

image

Description 'pri': Primary image; 'sec': Secondary image;

Type: string

Supported Values: pri, sec

image-file

Description

Type: string

Format: string-rlx

Mutual Exclusion: image-filelocal, rollback and file-url are mutually exclusive

local

Description Use image from local VCS image repository (Specify an image name, format: aximage_XX_XX_XX_XX.tar.gz)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: localuse-mgmt-port, source-ip-address, show-percentage, file-url and image-file are mutually exclusive

reboot-after-upgrade

Description reboot system after upgrade is done

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rollback

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rollbackuse-mgmt-port, source-ip-address, show-percentage, file-url and image-file are mutually exclusive

source-ip-address

Description Source ip address

Type: string

Format: ipv4-address

Mutual Exclusion: source-ip-addresslocal, rollback and use-mgmt-port are mutually exclusive

staggered-upgrade-mode

Description in staggered upgrade mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-portlocal, rollback and source-ip-address are mutually exclusive

3.78 vcs

Objects:

3.78.1 vcs debug

VCS debug

debug Specification

Type	*operational*
Element Name	debug
Element URI	/axapi/v3/vcs/debug
Element Attributes	debug_attributes
Schema	`debug schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs/debug

debug attributes

debug attributes

daemon

Description Daemon component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

daemon_msg

Description Daemon message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

election

Description Election component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

election_pdu

Description Election pdu component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encoder

Description Encoder component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handler

Description Handler component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

info

Description Information component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lib

Description Lib component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

net

Description Net component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl

Description SSL component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

util

Description Utility component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vblade

Description vBlade component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vblade_msg

Description vBlade Message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vmaster

Description vMaster component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vmaster_msg

Description vMaster Message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.78.2 vcs images

VCS Images Information

images Specification

Type	*operational*
Element Name	images
Element URI	/axapi/v3/vcs/images
Element Attributes	images_attributes
Operational Data URI	/axapi/v3/vcs/images/oper
Schema	`images schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs/images

images attributes

images attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	images-list		images-list

3.78.3 vcs reload

VCS reload

reload Specification

Type	*operational*
Element Name	reload
Element URI	/axapi/v3/vcs/reload
Element Attributes	reload_attributes
Schema	`reload schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs/reload

reload attributes

reload attributes

disable-merge

Description don't merge this vBlade's configuration to aVCS chassis

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.78.4 vcs showdebug

VCS Summary Information

showdebug Specification

Type	*operational*
Element Name	showdebug
Element URI	/axapi/v3/vcs/showdebug
Element Attributes	showdebug_attributes
Operational Data URI	/axapi/v3/vcs/showdebug/oper
Schema	`showdebug schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs/showdebug

showdebug attributes

showdebug attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	debugging-buff-size	number	debugging-buff-size
	debugging-switches	string	debugging-switches

3.78.5 vcs vMaster-maintenance

During this period, vMaster can leave and come back to be vMaster again

vMaster-maintenance Specification

Type	*operational*
Element Name	vMaster-maintenance
Element URI	/axapi/v3/vcs/vMaster-maintenance
Element Attributes	vMaster-maintenance_attributes
Schema	`vMaster-maintenance schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs/vMaster-maintenance

vMaster-maintenance attributes

vMaster-maintenance attributes

vMaster-maintenance

Description the seconds vMaster will be maintained, 60 by default

Type: number

Range: 0-3600

Default: 60

3.78.6 vcs vcs-summary

VCS Summary Information

vcs-summary Specification

Type	*operational*
Element Name	vcs-summary
Element URI	/axapi/v3/vcs/vcs-summary
Element Attributes	vcs-summary_attributes
Operational Data URI	/axapi/v3/vcs/vcs-summary/oper
Schema	`vcs-summary schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs/vcs-summary

vcs-summary attributes

vcs-summary attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	chassis-id	number	chassis-id
	multicast-port	number	multicast-port
	floating-ipv6-list		floating-ipv6-list
	multicast-addr	string	multicast-addr
	vmaster-maintenance-interval	number	vmaster-maintenance-interval
	vcs-handshake-completed-list		vcs-handshake-completed-list
	version	string	version
	vmaster-maintenance-left	number	vmaster-maintenance-left
	member-list		member-list
	floating-ipv4-list		floating-ipv4-list
	vcs-enabled	string	vcs-enabled

3.78.7 vcs vmaster-take-over

Forcefully take over mastership

vmaster-take-over Specification

Type	*operational*
Element Name	vmaster-take-over
Element URI	/axapi/v3/vcs/vmaster-take-over
Element Attributes	vmaster-take-over_attributes
Schema	`vmaster-take-over schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs/vmaster-take-over

vmaster-take-over attributes

vmaster-take-over attributes

vmaster-take-over

Description vMaster take over priority

Type: number

Range: 1-255

3.79 vcs-chassis

Objects:

3.79.1 vcs-chassis

Virtual Chassis System

vcs-chassis Specification

Type	*Intermediate Resource*
Element Name	vcs-chassis
Element URI	/axapi/v3/vcs-chassis
Element Attributes	vcs-chassis_attributes
Schema	`vcs-chassis schema`

Operations Allowed:

Get Object

GET

/axapi/v3/vcs-chassis

vcs-chassis_attributes

vcs-chassis attributes

debug

Description: debug is a **JSON Block**. Please see below for *debug*

Type: Object

Refernce Object: */axapi/v3/vcs-chassis/debug*

slot-summary

Description: slot-summary is a **JSON Block**. Please see below for *slot-summary*

Type: Object

Refernce Object: */axapi/v3/vcs-chassis/slot-summary*

debug

Specification	
Type	*object*

daemon

Description Daemon component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

daemon_msg

Description Daemon message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

election

Description Election component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

election_pdu

Description Election pdu component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encoder

Description Encoder component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handler

Description Handler component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

info

Description Information component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lib

Description Lib component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

net

Description Net component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl

Description SSL component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

util

Description Utility component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vblade

Description vBlade component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vblade_msg

Description vBlade Message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vmaster

Description vMaster component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vmaster_msg

Description vMaster Message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slot-summary

Specification	
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

3.79.2 vcs-chassis debug

VCS debug

debug Specification

Type	*operational*
Element Name	debug
Element URI	/axapi/v3/vcs-chassis/debug
Element Attributes	debug_attributes
Schema	`debug schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs-chassis/debug

debug attributes

debug attributes

daemon

Description Daemon component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

daemon_msg

Description Daemon message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

election

Description Election component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

election_pdu

Description Election pdu component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encoder

Description Encoder component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handler

Description Handler component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

info

Description Information component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lib

Description Lib component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

net

Description Net component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl

Description SSL component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

util

Description Utility component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vblade

Description vBlade component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vblade_msg

Description vBlade Message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vmaster

Description vMaster component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vmaster_msg

Description vMaster Message component

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.79.3 vcs-chassis slot-summary

Chassis Summary Information

slot-summary Specification

Type	*operational*
Element Name	slot-summary
Element URI	/axapi/v3/vcs-chassis/slot-summary
Element Attributes	slot-summary_attributes
Operational Data URI	/axapi/v3/vcs-chassis/slot-summary/oper
Schema	`slot-summary schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vcs-chassis/slot-summary

slot-summary attributes

slot-summary attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	chassis-id	number	chassis-id
	multicast-port	number	multicast-port
	floating-ipv6-list		floating-ipv6-list
	multicast-addr	string	multicast-addr
	vmaster-maintenance-interval	number	vmaster-maintenance-interval
	version	string	version
	vmaster-maintenance-left	number	vmaster-maintenance-left
	member-list		member-list
	floating-ipv4-list		floating-ipv4-list
	vcs-enabled	string	vcs-enabled

3.80 version

Objects:

3.80.1 version

Version Information

version Specification

Type	*operational*
Element Name	version
Element URI	/axapi/v3/version
Element Attributes	version_attributes
Operational Data URI	/axapi/v3/version/oper
Schema	`version schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/version

version attributes

version attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	sys-poll-mode	string	sys-poll-mode
	hw-code	string	hw-code
	hd-pri	string	hd-pri
	axapi-version	string	axapi-version
	serial-number	string	serial-number
	up-time	string	up-time
	firmware-version	string	firmware-version
	hd-sec	string	hd-sec
	pri-gui-version	string	pri-gui-version
	copyright	string	copyright
	io-buff-enabled	string	io-buff-enabled
	series-name	string	series-name
	hostname	string	hostname
	cots-sys-ver	string	cots-sys-ver
	hw-platform	string	hw-platform
	last-config-saved-time	string	last-config-saved-time
	product	string	product
	sw-version	string	sw-version
	cf-pri	string	cf-pri
	build-type	string	build-type
	cf-sec	string	cf-sec
	current-time	string	current-time
	nun-ctrl-cpus	number	nun-ctrl-cpus
	sec-gui-version	string	sec-gui-version
	alldynamic	number	alldynamic
	buff-size	number	buff-size
	virtualization-type	string	virtualization-type
	boot-from	string	boot-from

continues on next page

Table 3.10 – continued from previous page

	Counter	Size	Description
	plat-features	string	plat-features
	cots-sys-name	string	cots-sys-name
	aflex-version	string	aflex-version
	cots-sys-mfg	string	cots-sys-mfg

3.81 visibility

Objects:

3.81.1 visibility monitor delete-debug-file

Delete the debug entity file

delete-debug-file Specification

Type	*operational*
Object Key(s)	*debug-ip-addr*
Element Name	delete-debug-file
Element URI	/axapi/v3/visibility/monitor/delete-debug-file/{debug-ip-addr}
Element Attributes	delete-debug-file_attributes
Schema	`delete-debug-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/visibility/monitor/delete-debug-file/{debug-ip-addr}

delete-debug-file attributes

delete-debug-file attributes

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

3.81.2 visibility monitor replay-debug-file

Replay the debug entity file

replay-debug-file Specification

Type	*operational*
Object Key(s)	*debug-ip-addr*
Element Name	replay-debug-file
Element URI	/axapi/v3/visibility/monitor/replay-debug-file/{debug-ip-addr}
Element Attributes	replay-debug-file_attributes
Schema	`replay-debug-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/visibility/monitor/replay-debug-file/{debug-ip-addr}

replay-debug-file attributes

replay-debug-file attributes

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

3.81.3 visibility monitor secondary-monitor delete-debug-file

Delete the debug entity file

delete-debug-file Specification

Type	*operational*
Object Key(s)	*debug-ip-addr*
Element Name	delete-debug-file
Element URI	/axapi/v3/visibility/monitor/secondary-monitor/delete-debug-file/{debug-ip-addr}
Element Attributes	delete-debug-file_attributes
Schema	`delete-debug-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/visibility/monitor/secondary-monitor/delete-debug-file/{debug-ip-addr}

delete-debug-file attributes

delete-debug-file attributes

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

3.81.4 visibility monitor secondary-monitor replay-debug-file

Replay the debug entity file

replay-debug-file Specification

Type	*operational*
Object Key(s)	*debug-ip-addr*
Element Name	replay-debug-file
Element URI	/axapi/v3/visibility/monitor/secondary-monitor/replay-debug-file/{debug-ip-addr}
Element Attributes	replay-debug-file_attributes
Schema	`replay-debug-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/visibility/monitor/secondary-monitor/replay-debug-file/{debug-ip-addr}

replay-debug-file attributes

replay-debug-file attributes

debug-ip-addr

Description Specify source/dest ip addr

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

debug-port

Description Specify port

Type: number

Range: 1-65535

debug-protocol

Description 'TCP': TCP; 'UDP': UDP; 'ICMP': ICMP;

Type: string

Supported Values: TCP, UDP, ICMP

3.81.5 visibility packet-capture delete-packet-capture-file

Delete the Packet capture pcapng file

delete-packet-capture-file Specification

Type	*operational*
Element Name	delete-packet-capture-file
Element URI	/axapi/v3/visibility/packet-capture/delete-packet-capture-file
Element Attributes	delete-packet-capture-file_attributes
Schema	`delete-packet-capture-file schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/visibility/packet-capture/delete-packet-capture-file

delete-packet-capture-file attributes

delete-packet-capture-file attributes

all

Description Delete all files in this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-name

Description Specify the name of the packet capture file to be deleted

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

3.81.6 visibility reporting template notification debug

Display Notification Template Debug

debug Specification

Type	*operational*
Element Name	debug
Element URI	/axapi/v3/visibility/reporting/template/notification/debug
Element Attributes	debug_attributes
Operational Data URI	/axapi/v3/visibility/reporting/template/notification/debug/oper
Schema	`debug schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/visibility/reporting/template/notification/debug

debug attributes

debug attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	debug-list		debug-list
	log	flag	log

3.81.7 visibility resource-usage

Visibility resoruces information

resource-usage Specification

Type	*operational*
Element Name	resource-usage
Element URI	/axapi/v3/visibility/resource-usage
Element Attributes	resource-usage_attributes
Operational Data URI	/axapi/v3/visibility/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/visibility/resource-usage

resource-usage attributes

resource-usage attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	resource-list		resource-list

3.82 vpn

Objects:

3.82.1 vpn default

Default

default Specification

Type	*operational*
Element Name	default
Element URI	/axapi/v3/vpn/default
Element Attributes	default_attributes
Operational Data URI	/axapi/v3/vpn/default/oper
Schema	`default schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vpn/default

default attributes

default attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ike-local-address	string	ike-local-address
	ike-version	string	ike-version
	IPsec-remote-subnet	string	IPsec-remote-subnet
	IPsec-mode	string	IPsec-mode
	ike-nat-traversal	string	ike-nat-traversal
	ike-dpd-interval	number	ike-dpd-interval
	IPsec-priority	number	IPsec-priority
	IPsec-traffic-selector	string	IPsec-traffic-selector
	ike-encryption	string	ike-encryption
	IPsec-remote-port	number	IPsec-remote-port
	IPsec-hash	string	IPsec-hash
	IPsec-protocol	string	IPsec-protocol
	ike-priority	number	ike-priority
	ike-hash	string	ike-hash
	IPsec-remote-protocol	number	IPsec-remote-protocol
	ike-remote-address	string	ike-remote-address
	ike-dh-group	string	ike-dh-group
	ike-auth-method	string	ike-auth-method
	IPsec-anti-replay-window	number	IPsec-anti-replay-window
	ike-lifetime	number	ike-lifetime
	IPsec-lifetime	number	IPsec-lifetime
	IPsec-local-protocol	number	IPsec-local-protocol
	IPsec-local-port	number	IPsec-local-port
	IPsec-lifebytes	number	IPsec-lifebytes
	IPsec-encryption	string	IPsec-encryption
	IPsec-local-subnet	string	IPsec-local-subnet
	IPsec-dh-group	string	IPsec-dh-group
13152	ike-mode	string	ike-mode

3.82.2 vpn error

Error counters

error Specification

Type	*operational*
Element Name	error
Element URI	/axapi/v3/vpn/error
Element Attributes	error_attributes
Statistics Data URI	/axapi/v3/vpn/error/stats
Schema	`error schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vpn/error

error attributes

error attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats data

	Counter	Size	Description
	bad_opcode	8	bad_opcode
	bad_sg_write_len	8	bad_sg_write_len
	ipv6_rh_length_error	8	ipv6_rh_length_error
	ah_not_supported_with_gcm_gmac_sha2	8	ah_not_supported_with_gcm_gmac_sha2
	bad_auth_type	8	bad_auth_type
	bad_gre_protocol	8	bad_gre_protocol
	ipv6_outbound_rh_copy_addr_error	8	ipv6_outbound_rh_copy_addr_error
	bad_ip_payload_type	8	bad_ip_payload_type
	bad_srtp_auth_tag	8	bad_srtp_auth_tag
	bad_encrypt_type	8	bad_encrypt_type
	bad_checksum	8	bad_checksum
	bad_gre_header	8	bad_gre_header

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Table 3.11 – continued from previous page

	Counter	Size	Description
	bad_ipsec_context	8	bad_ipsec_context
	bad_min_frag_size_auth_sha384_512	8	bad_min_frag_size_auth_sha384_512
	bad_ipsec_padding	8	bad_ipsec_padding
	bad_inline_data	8	bad_inline_data
	tfc_padding_with_prefrag_not_supported	8	tfc_padding_with_prefrag_not_supported
	bad_len	8	bad_len
	bad_ip_version	8	bad_ip_version
	bad_encrypt_type_ctr_gcm	8	bad_encrypt_type_ctr_gcm
	bad_fragment_size	8	bad_fragment_size
	ipv6_hop_by_hop_error	8	ipv6_hop_by_hop_error
	bad_esp_next_header	8	bad_esp_next_header
	error_ipv6_decrypt_rh_segs_left_error	8	error_ipv6_decrypt_rh_segs_left_error
	bad_ipsec_spi	8	bad_ipsec_spi
	bad_ipsec_context_flag_mismatch	8	bad_ipsec_context_flag_mismatch
	bad_ipsec_protocol	8	bad_ipsec_protocol
	bad_frag_size_configuration	8	bad_frag_size_configuration
	bad_ipsec_auth	8	bad_ipsec_auth
	bad_ipcomp_configuration	8	bad_ipcomp_configuration
	dummy_payload	8	dummy_payload
	bad_ipsec_context_direction	8	bad_ipsec_context_direction
	bad_ipsec_unknown	8	bad_ipsec_unknown
	ipcomp_payload	8	ipcomp_payload
	ipv6_extension_headers_too_big	8	ipv6_extension_headers_too_big
	error_IPv6_extension_header_bad	8	error_IPv6_extension_header_bad
	dsiv_incorrect_param	8	dsiv_incorrect_param
	bad_selector_match	8	bad_selector_match

3.82.3 vpn errordump

Error dump

errordump Specification

Type	*operational*
Element Name	errordump
Element URI	/axapi/v3/vpn/errordump
Element Attributes	errordump_attributes
Operational Data URI	/axapi/v3/vpn/errordump/oper
Schema	`errordump schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vpn/errordump

errordump attributes

errordump attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	IPsec-error-dump-path	string	IPsec-error-dump-path

3.82.4 vpn ike-sa-brief

IKE SA brief

ike-sa-brief Specification

Type	*operational*
Element Name	ike-sa-brief
Element URI	/axapi/v3/vpn/ike-sa-brief
Element Attributes	ike-sa-brief_attributes
Operational Data URI	/axapi/v3/vpn/ike-sa-brief/oper
Schema	`ike-sa-brief schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vpn/ike-sa-brief

ike-sa-brief attributes

ike-sa-brief attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	local-ip	string	local-ip
	name	string	name
	ike-sa-brief-remote-gw		ike-sa-brief-remote-gw

3.82.5 vpn ike-sa-clients

IKE SA clients

ike-sa-clients Specification

Type	*operational*
Element Name	ike-sa-clients
Element URI	/axapi/v3/vpn/ike-sa-clients
Element Attributes	ike-sa-clients_attributes
Operational Data URI	/axapi/v3/vpn/ike-sa-clients/oper
Schema	`ike-sa-clients schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vpn/ike-sa-clients

ike-sa-clients attributes

ike-sa-clients attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ike-sa-clients-remote-gw		ike-sa-clients-remote-gw
	ike-sa-clients-local-ip	string	ike-sa-clients-local-ip
	name	string	name

3.82.6 vpn ipsec-sa-clients

IPsec SA clients

ipsec-sa-clients Specification

Type	*operational*
Element Name	ipsec-sa-clients
Element URI	/axapi/v3/vpn/ipsec-sa-clients
Element Attributes	ipsec-sa-clients_attributes
Operational Data URI	/axapi/v3/vpn/ipsec-sa-clients/oper
Schema	`ipsec-sa-clients schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vpn/ipsec-sa-clients

ipsec-sa-clients attributes

ipsec-sa-clients attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	ipsec-clients		ipsec-clients

3.82.7 vpn log

Log

log Specification

Type	*operational*
Element Name	log
Element URI	/axapi/v3/vpn/log
Element Attributes	log_attributes
Operational Data URI	/axapi/v3/vpn/log/oper
Schema	`log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vpn/log

log attributes

log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	vpn-log-offset	number	vpn-log-offset
	vpn-log-over	number	vpn-log-over
	vpn-log-list		vpn-log-list
	from-start	flag	from-start
	follow	flag	follow
	num-lines	number	num-lines

3.83 vrrp-a

Objects:

3.83.1 vrrp-a detail

display vrrp-a peer detail status

detail Specification

Type	*operational*
Element Name	detail
Element URI	/axapi/v3/vrrp-a/detail
Element Attributes	detail_attributes
Operational Data URI	/axapi/v3/vrrp-a/detail/oper
Schema	`detail schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vrrp-a/detail

detail attributes

detail attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	err_port	number	err_port
	err_parid	number	err_parid
	time_inaccurate_count	number	time_inaccurate_count
	bad_group_rcv	number	bad_group_rcv
	vrrp_version_mismatch	number	vrrp_version_mismatch
	ip_pools_exceeded	number	ip_pools_exceeded
	lock_try	number	lock_try
	set_id_mismatch	number	set_id_mismatch
	l2_no_route	number	l2_no_route
	err_devid	number	err_devid
	peer_info_list		peer_info_list
	dup_id_rcv	number	dup_id_rcv
	local_info_list		local_info_list
	ip6_pools_exceeded	number	ip6_pools_exceeded

3.83.2 vrrp-a force-self-standby

HA VRRP-A Operational Command to force the unit or a group to HA standby state

force-self-standby Specification

Type	*operational*
Element Name	force-self-standby
Element URI	/axapi/v3/vrrp-a/force-self-standby
Element Attributes	force-self-standby_attributes
Schema	`force-self-standby schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vrrp-a/force-self-standby

force-self-standby attributes

force-self-standby attributes

action

Description 'enable': enable vrrp-a force-self-standby; 'disable': disable vrrp-a force-self-standby;

Type: string

Supported Values: enable, disable

all-partitions

Description force all partitions in standby state

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vrid

Description Specify one VRRP-A vrid to force into standby state

Type: number

Range: 0-31

3.83.3 vrrp-a hostid

vrrp-a device serial number or softax UUID

hostid Specification

Type	*operational*
Element Name	hostid
Element URI	/axapi/v3/vrrp-a/hostid
Element Attributes	hostid_attributes
Operational Data URI	/axapi/v3/vrrp-a/hostid/oper
Schema	`hostid schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vrrp-a/hostid

hostid attributes

hostid attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	hostid-list		hostid-list
	set_ID	number	set_ID

3.83.4 vrrp-a mac

corresponding virtual mac

mac Specification

Type	*operational*
Element Name	mac
Element URI	/axapi/v3/vrrp-a/mac
Element Attributes	mac_attributes
Operational Data URI	/axapi/v3/vrrp-a/mac/oper
Schema	`mac schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vrrp-a/mac

mac attributes

mac attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	vrid-mac-list		vrid-mac-list

3.83.5 vrrp-a partition-vrid-all-status

display vrid all status for all partitions

partition-vrid-all-status Specification

Type	*operational*
Element Name	partition-vrid-all-status
Element URI	/axapi/v3/vrrp-a/partition-vrid-all-status
Element Attributes	partition-vrid-all-status_attributes
Operational Data URI	/axapi/v3/vrrp-a/partition-vrid-all-status/oper
Schema	`partition-vrid-all-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vrrp-a/partition-vrid-all-status

partition-vrid-all-status attributes

partition-vrid-all-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-partition-list		all-partition-list

3.83.6 vrrp-a partition-vrid-status

display vrrp-a status for all partitions

partition-vrid-status Specification

Type	*operational*
Element Name	partition-vrid-status
Element URI	/axapi/v3/vrrp-a/partition-vrid-status
Element Attributes	partition-vrid-status_attributes
Operational Data URI	/axapi/v3/vrrp-a/partition-vrid-status/oper
Schema	`partition-vrid-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vrrp-a/partition-vrid-status

partition-vrid-status attributes

partition-vrid-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	all-partition-list		all-partition-list

3.83.7 vrrp-a setid-monitor

monitor set id that has been used

setid-monitor Specification

Type	*operational*
Element Name	setid-monitor
Element URI	/axapi/v3/vrrp-a/setid-monitor
Element Attributes	setid-monitor_attributes
Operational Data URI	/axapi/v3/vrrp-a/setid-monitor/oper
Schema	`setid-monitor schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vrrp-a/setid-monitor

setid-monitor attributes

setid-monitor attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	set-id	number	set-id
	setid-list		setid-list

3.83.8 vrrp-a state-cpu

HA VRRP-A Global Commands

state-cpu Specification

Type	*operational*
Element Name	state-cpu
Element URI	/axapi/v3/vrrp-a/state-cpu
Element Attributes	state-cpu_attributes
Operational Data URI	/axapi/v3/vrrp-a/state-cpu/oper
Schema	`state-cpu schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/vrrp-a/state-cpu

state-cpu attributes

state-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

operational data

	Counter	Size	Description
	cpu-usage		cpu-usage

3.84 web-service

Objects:

3.84.1 web-service secure

Web-service secure operation

secure Specification

Type	*operational*
Element Name	secure
Element URI	/axapi/v3/web-service/secure
Element Attributes	secure_attributes
Schema	`secure schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/web-service/secure

secure attributes

secure attributes

certificate

Description: certificate is a **JSON Block**. Please see below for *certificate*

Type: Object

Refernce Object: */axapi/v3/web-service/secure/certificate*

generate

Description: generate is a **JSON Block**. Please see below for *generate*

Type: Object

Refernce Object: */axapi/v3/web-service/secure/generate*

private-key

Description: private-key is a **JSON Block**. Please see below for *private-key*

Type: Object

Refernce Object: */axapi/v3/web-service/secure/private-key*

regenerate

Description: regenerate is a **JSON Block**. Please see below for *regenerate*

Type: Object

Refernce Object: */axapi/v3/web-service/secure/regenerate*

restart

Description Restart WEB service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wipe

Description Wipe WEB private-key and certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

certificate

Specification	
Type	*object*

file-url

Description File URL

Type: string

Format: url

load

Description Load WEB certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

regenerate

Specification	
Type	*object*

country

Description The country name

Type: string

Maximum Length: 2 characters

Maximum Length: 2 characters

domain-name

Description The domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

state

Description The location

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

generate

Specification	
Type	*object*

country

Description The country name

Type: string

Maximum Length: 2 characters

Maximum Length: 2 characters

domain-name

Description The domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

state

Description The location

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

private-key

Specification	
Type	*object*

file-url

Description File URL

Type: string

Format: url

load

Description Load WEB private-key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.84.2 web-service secure certificate

Web-service secure certificate operation

certificate Specification

Type	*operational*
Element Name	certificate
Element URI	/axapi/v3/web-service/secure/certificate
Element Attributes	certificate_attributes
Schema	`certificate schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/web-service/secure/certificate

certificate attributes

certificate attributes

file-url

Description File URL

Type: string

Format: url

load

Description Load WEB certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.84.3 web-service secure generate

Web-service secure generate operation

generate Specification

Type	*operational*
Element Name	generate
Element URI	/axapi/v3/web-service/secure/generate
Element Attributes	generate_attributes
Schema	`generate schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/web-service/secure/generate

generate attributes

generate attributes

country

Description The country name

Type: string

Maximum Length: 2 characters

Maximum Length: 2 characters

domain-name

Description The domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

state

Description The location

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

3.84.4 web-service secure private-key

Web-service secure private-key operation

private-key Specification

Type	*operational*
Element Name	private-key
Element URI	/axapi/v3/web-service/secure/private-key
Element Attributes	private-key_attributes
Schema	`private-key schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/web-service/secure/private-key

private-key attributes

private-key attributes

file-url

Description File URL

Type: string

Format: url

load

Description Load WEB private-key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

3.84.5 web-service secure regenerate

Web-service secure regenerate operation

regenerate Specification

Type	*operational*
Element Name	regenerate
Element URI	/axapi/v3/web-service/secure/regenerate
Element Attributes	regenerate_attributes
Schema	`regenerate schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/web-service/secure/regenerate

regenerate attributes

regenerate attributes

country

Description The country name

Type: string

Maximum Length: 2 characters

Maximum Length: 2 characters

domain-name

Description The domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

state

Description The location

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

3.85 write

Objects:

3.85.1 write

Write memory

write Specification

Type	*operational*
Element Name	write
Element URI	/axapi/v3/write
Element Attributes	write_attributes
Schema	`write schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/write

write attributes

write attributes

memory

Description: memory is a **JSON Block**. Please see below for *memory*

Type: Object

Refernce Object: */axapi/v3/write/memory*

memory

Specification	
Type	*object*

destination

Description 'primary': Write to default Primary Configuration; 'secondary': Write to default Secondary Configuration; 'local': Local Configuration Profile Name;

Type: string

Supported Values: primary, secondary, local

partition

Description 'all': All partition configurations; 'shared': Shared partition; 'specified': Specified partition;

Type: string

Supported Values: all, shared, specified

profile

Description Local Configuration Profile Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

specified-partition

Description Specified partition

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

3.85.2 write memory

Write memory

memory Specification

Type	*operational*
Element Name	memory
Element URI	/axapi/v3/write/memory
Element Attributes	memory_attributes
Schema	`memory schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/write/memory

memory attributes

memory attributes

destination

Description 'primary': Write to default Primary Configuration; 'secondary': Write to default Secondary Configuration; 'local': Local Configuration Profile Name;

Type: string

Supported Values: primary, secondary, local

partition

Description 'all': All partition configurations; 'shared': Shared partition; 'specified': Specified partition;

Type: string

Supported Values: all, shared, specified

profile

Description Local Configuration Profile Name

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

specified-partition

Description Specified partition

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters